

A Complete Bibliography of Publications in *IEEE Spectrum* (1990–1999)

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

26 December 2021
Version 1.01

Title word cross-reference	2 [Bel90g, Noa97]. 200-Year [Rob99]. 2000 [CP98, LP98]. 21st [Jur90c]. 25 [Doo94b].
\$12 [Swe98c]. \$19.95 [Swe98c]. \$25 [Rob99].	3 [PS92, Wil93]. 3-V [PS92, Wil93].
3 [Ell99b]. \$30 [Ano97b, Wis99]. \$32.50 [Mor98a]. \$35.95 [Fie97]. <i>DDQ</i> [HS96a].	4 [Koe99].
-D [Ell99b].	5 [Wil93]. 5-V [Wil93].
// [GS97].	64 [Wat91a].
0-8027-1346-7 [Rob99].	'90 [AE90, Bel90g, Fit90g, MV90, Mur90d, SC90, Sti90b, Zor90g, Zor90h, Bel90b, Che90b, Che90a, Fit90a, Jur90a, Kap90a, Mur90a, Voe90b, Voe90a]. '90s [Kor94, Bel90a, Cam90]. '92 [Kap90b].
100-million [Ano99a]. 12 [McA98]. 1940's [Ede99]. 1958 [Lik92]. 1992-data [Low92]. 1996 [Ano96a]. 1997 [Ano97-54, Ano97a, Hei97]. 1999 [Ano99b, Ste99].	= [Ada92a, Cen90].

abstract [Fos93]. **abstraction** [LHD⁺90].
AC [Hin93, Rad96]. **academe** [Gup94].
Accelerator [Doo96b]. **access** [DR99c].
accessible [PA91]. **accident** [Obe99d].
according [Luc98f]. **acquisition**
 [Cer92, Fow94, Hou95, Rie93, Tra93]. **across**
 [Kur99]. **Act** [Bra96a, RTHM92, Tro99].
action [Kor93]. **actions** [Ben93]. **Active**
 [Kor94, Ell99a]. **acts** [Bel90e]. **actuators**
 [HMGT90]. **Adaptable** [Ell99b, Mas99a].
Adapting [Tra93]. **Adaptive** [Cox93]. **Add**
 [Com92a, Ano91a]. **Add-ons**
 [Com92a, Ano91a]. **addiction** [Luc99c].
adding [Eve98]. **Addressing** [BS99].
adherents [Fit90b]. **Adopting** [Dav94].
adorns [Ell99b]. **ADSL** [DR99e]. **advance**
 [DT92]. **Advanced**
 [Bel96a, Mal93, Swe97a, Kor94, SB99b].
advancement [YL90]. **advances**
 [Che90b, Swe94b]. **Advancing** [Kob94].
adversaries [Jur90b]. **advertisements**
 [Hos95a]. **Aerodynamics** [Ano97b].
Aerospace
 [Bra99, Doo93a, Doo94a, Doo95a, Doo96a,
 Doo97a, Doo98, Esc90, Kas94, AE90, AE91].
aerospace/military [AE91]. **affair** [Run99].
Affordable [Hin90, Mir96a]. **African**
 [Mak94]. **after**
 [Doo94b, Rie91a, Sha93, Swe96b, Sym98].
after-effects [Swe96b]. **against** [Mar90].
Age [Mar96, Ada91b, PF96, AAH98].
agency [Zor91b]. **Agents** [Mor98b, Sin96].
aging [TPB95]. **ago**
 [Jon97, Jon98f, Jon98g, Jon98h, Jon98i,
 Jon98j, Jon98k, Jon98b, Jon98c, Jon98d,
 Jon98e, Jon98l, Jon99b, Jon99c, Jon99d,
 Jon99e, Jon99f, Jon99g, Jon99h, Jon99i,
 Jon99j, Jon99k, Jon99l, Jon99m, Swe97f].
agreement [Ove97]. **Ahead**
 [Fuq96, Par96, RW98, Ano98-103, Ros91c].
aided [CK96, Low97, RGH90, VG96]. **Aids**
 [Han98a]. **aim** [WK90]. **Air** [Ada91a, Per91,
 PA91, LRC99, Per97c, WH99, Bra96a].
airborne [For97]. **airport** [Mec95]. **Alfred**
 [Bel94a]. **algorithm** [Kar96a]. **algorithms**
 [Eve98]. **Ali** [Ano96-42]. **all-metal** [Joh94].
allocation [HT95]. **Alpha** [Com92b]. **Alps**
 [Sto95]. **always** [Fit90h]. **am** [Luc96e].
America [Rud96]. **American**
 [Fos97f, Mor98a]. **Americans** [Sti90a].
among [Wis96]. **amplifiers** [Bur93]. **analog**
 [Cha97b, Gep99c, Hin90, Rho96]. **analyses**
 [HW94]. **Analysis**
 [Bel94b, GS99, BR97, Bet99, Bra99, Bre99,
 BDG96, Cha97a, Com97b, Com98a, Com99b,
 Doe97, Doo98, DR99f, Fer98, Fos98c, Gep98g,
 Gep99g, Hel98, Hin98, Jam98, JJ91, Kap97b,
 Kap98a, Kap99b, Kor94, Kor99, Lan98,
 Lan99, LK99b, Mar99a, Mas98, Mas99c,
 Mir98, Per98b, Phi98, RS99a, Rie98e, Ros98,
 SS99, Spa97, Sta93, Swe98e, Swe99f, Trl97].
analyzed [Win96]. **anarchy** [Luc96d].
Anatomy [SCS91]. **Andrew** [Hil99].
annual [Com96d]. **anticipates** [LHD⁺90].
Any [Luc97a, Lan94, Obe99c]. **anywhere**
 [Luc97a]. **Apollo** [Doo94b]. **apostles**
 [Mem97]. **Apple** [Hin99]. **appliances**
 [BC98]. **Application** [Bra95a, Gab94a].
applications
 [Ada93a, Aka97, Bar98, Eub98, JPN⁺92,
 Trl96, Bel90b, Che90b, Che90a, Fit90a,
 Jur90a, Kap90a, Mur90a, Voe90b, Voe90a].
Applied [Kar96b]. **applying** [Ano90d].
Approach [Mos96, Fre98, Noa97, Wat92a].
Approaching [HI92]. **Appropriate**
 [Kap94]. **architecting** [Rec92, Rie92c].
Architects [Ada96a]. **architecture**
 [Com95a, PA97]. **architectures**
 [BH95, Gep98b]. **area**
 [GB91, MC90, Sto97, Wic96b]. **area-wise**
 [Sto97]. **arsenals** [Zak99]. **arsenide**
 [Cat90, Dey95]. **Art** [Mil98b, Cha99, Ell99b,
 Mil98d, Mur90c, Rec92]. **artificial**
 [Ada91a, Cla98, DM96]. **artists** [Mil98c].
Asia [Bal91]. **Asian** [LRC99]. **ASIC**
 [Lev92]. **ASICs** [DR91, Smi92a]. **aspects**
 [Fra96, Mag97]. **assembly** [BK93].
assessment [KW92]. **astronomy**

- [But97, Zor95b]. **athletes** [Per90a]. **ATM** [Lan94, Mil94a, Rui94]. **audio** [Jur96]. **Authors** [Ano96-72]. **Auto** [Kap97a]. **Automate** [GOI98]. **automated** [Kuk93]. **Automating** [Top91]. **automation** [Cai97, Mar99a, Mur90b, Swe95]. **Automotive** [KWMH96]. **autonomous** [Pas95]. **Autopilots** [Zor94a]. **Award** [Ano96o, Ano96-27, Ano96z, Ano96-40, Ano96-42, Ano96-41, Ano96-52, Ano96-69, Ano96-70, Ano96-71, Ano96-73, Ano96-74, Ano96-75, Ano96-76, Ano96-77, Ano96-78, Ano96-91, Ano96-103, Ano96-104, Ano96-105, Ano96-124, Ano96b]. **Awards** [Ano96-122, Ano96-123, Ano97-54, Ano96a, Ano98-63, Ano97a, Ano98-62, Ano99-54]. **ax** [Fow94].
- B** [Ano96-77, Ano96-103, DP91]. **B-ISDN** [DP91]. **B.C** [Ede99]. **Back** [Ano97c, Asp90]. **Backing** [Nor99, Spi94]. **backlot** [Bra95b]. **Bad** [Jon98a, Bel90a, BP92]. **baggage** [Edw97]. **Baker** [Ano96-124]. **Balancing** [Bra96a, Log99, Cat92]. **Ballistic** [Ano97c, LP97a, Mos97, SLLP97]. **ban** [Swe96a]. **bandwidth** [Wil97]. **Banking** [McC97]. **barrier** [Rie92d]. **Bart** [Ada96h]. **based** [Apf97, GF98, UT99]. **Basic** [Hel98, Hel96, Hel97, Mor99a, Saw95]. **Basics** [Asp90]. **basis** [Bel93a]. **bat** [SSD92]. **batteries** [MH98, Rie95a]. **battery** [Rie92d, IH98]. **battle** [Com97a, Com98b]. **battlefield** [Zor91c]. **Battling** [Swe99a]. **Baum** [Ano96o]. **bay** [HJ93]. **Be** [Gad98, Ada90b, Kel99, von94]. **Beam** [Doo96b, Har99b]. **Beckman** [Bel96a]. **becomes** [Run99]. **becoming** [Dil94]. **beer** [Gep99b]. **beget** [Eub98]. **Beginnings** [Fos97f]. **behaviour** [Tay99]. **Behind** [Mor97a, Nah91]. **Below** [Tiw94]. **Berlin** [BP98]. **best** [Bel91d, Kra96]. **bets** [Gut91]. **Better** [Swe96a, Mar98a, Rie95a, SSH99, Swe99c, Zor90c]. **Bettyann** [Fie97].
- Between** [Sto95]. **Beyond** [BC93, Bra96b, Bel92a, Doo95b]. **Bicycles** [Bel93a]. **big** [ARA91, Che90c, GOI98, Run99, Ste99]. **Bigger** [MM98, Swe99c]. **Billy** [Mil98c]. **biography** [Ada96h, Bel94a, Kap99a, Per95d, Per95e, Per98a, Zac95]. **Biological** [NM90]. **Biomechanically** [Per90a]. **biometrics** [Mil94b]. **Biotechnology** [But96]. **bipolar** [Cre95]. **birth** [Swe97b]. **bit** [Bel90e, Luc94a]. **Blind** [Ano97-82, NMGW96, WR96]. **Blinking** [Luc97b]. **Block** [Han96, Han97, Han98b]. **Blocking** [HR96]. **blowing** [Fit90h]. **Blue** [GON93, Ano97-38, Flo90, Mar98d]. **Blueprinting** [Kra98]. **Board** [Ano90a]. **boardroom** [Per94b]. **boards** [Ber99, BC99, Cha97a]. **Boeing** [Nor95]. **bolts** [Mar98d]. **bomb** [Kra98, LY96, MM98, Zor92d]. **bonds** [Zor91a]. **Bone** [Fie97]. **Book** [Bai96, BDF99, Bro99, Cla98, Day96, Ede97, Ede99, Ell96, Eng97a, Fay99, Fie97, Fos96a, Fos99a, Gad98, Kam99, Mac98, Mar96, Mar97a, Mor99a, Mor99b, Pfl96, Rob97, Rob99, Rod99, Ste98a, Swe98c, Wis99, Zor97, Bel96b, Bry96, But96, Wis96]. **Books** [Ano98a, Bel98, Bra96b, Kra98, Lat97, Lin96, Mem98, Mes98, MM98, Rob97, Ste96, Swa96, Swe96e, Swe98d, Swe98g, Swe99e, Swe99d, Zim97, Alt96, Ano96-95, Ano96-96, Ano96-97, Ano96-98, Ano96-99, Ano96-100, Ano96-101, Ano96-102, Ano97-71, Ano97-72, Ano97-73, Ano97-74, Ano97-75, Ano97-76, Ano97-77, Ano97-78, Ano97-79, Ano97-80, Ano97-81, Ano98-77, Ano98-78, Ano98-79, Ano98-80, Ano98-81, Ano98-82, Ano98-83, Ano98-84, Ano98-85, Ano98-86, Ano98-87, Ano98-88, Ano99-68, Ano99-69, Ano99-70, Ano99-71, Ano99-72, Ano99-73, Ano99-74, Ano99-75, Ano99-76, Ano99-77, Ano99-78, Ano99-79, Kar96b, Log99, Mun96]. **boosts** [FASN96]. **born** [Lik92]. **both** [Cla98, Fos97f]. **bottleneck** [GOI98].

bound [Fin90]. **boundaries** [Ada90d]. **box** [Cic95, Flo90]. **Bozos** [Luc96a]. **Bracing** [KA90]. **brains** [KS92]. **Brazil** [DR96, Fil96, Ros96]. **Breakthroughs** [GS98]. **Breezy** [Pac99]. **Bring** [DR99a]. **Bringing** [LK99a, Mir99a]. **brings** [SZ96]. **brink** [Com92c]. **Broad** [Bis95, Buc95, Dua95, PM98]. **Broadcasting** [Jur96, Rei92a]. **broadly** [Fox99]. **Brooding** [CP98]. **Browder** [Ano96o]. **Brunetti** [Ano96-27]. **Brunswick** [Fie97]. **budget** [Gep99b]. **bug** [CP98]. **Building** [Str96]. **Building-integrated** [Str96]. **bus** [KHSK95, Luc96a, Wic97]. **buses** [Box95]. **Bush** [Mor98a, Zac95]. **busier** [SW97]. **Business** [MF97, Jur90e, Tan98]. **bust** [Bel91d]. **butting** [Sto98]. **bye** [Jur92b].

C [Mir96c, Mir97]. **Cable** [DR99b, RN97]. **cabling** [Tho96]. **cache** [McM96, Pix96]. **CAD** [Fox93]. **CAE** [Ano90e, Cen90]. **calculus** [Swa96]. **Calendar** [Ano96p, Ano96q, Ano96r, Ano96s, Ano96t, Ano96u, Ano96v, Ano96w, Ano96x, Ano96y, Ano97p, Ano97q, Ano97r, Ano97s, Ano97t, Ano97u, Ano97v, Ano97w, Ano97x, Ano97y, Ano97z, Ano97-27, Ano98n, Ano98o, Ano98p, Ano98q, Ano98r, Ano98s, Ano98t, Ano98u, Ano98v, Ano98w, Ano98x, Ano99o, Ano99p, Ano99q, Ano99r, Ano99s, Ano99t, Ano99u, Ano99v, Ano99w, Ano99x, Ano99y, Ano99z]. **Calibrating** [Sha99]. **California** [BH96]. **calls** [Bel96c, Tur91]. **calorie** [Bla97]. **Calstart** [Lyn93]. **campus** [Fal96, Hil99]. **Can** [SH99, Ada90b, Ada92d]. **Cane** [Ano97-82]. **cannot** [Box95]. **Canon** [Chr90]. **capacity** [FASN96, RN97]. **capitalism** [Ste99]. **Capitol** [Rod99, Swe94c]. **car** [DU98, Jur90d, Tho96]. **carbon** [SB99c]. **cards** [Ste92]. **Care** [Fos97f]. **career** [Hos95a, YL90]. **Careers** [Bel96c, Gep99a]. **Carl** [Ano96o]. **cars** [CW94, Jur91b, von94]. **case** [Ano90b, Atw91, Gum99, Ano90b, Jon92]. **cash** [CB97, Gem97, ter97]. **Cassini** [Mar98c]. **catalyst** [Mil98c, Whi92]. **catch** [RLH93]. **Catching** [Ros96]. **CCDing** [McC92]. **cell** [FP93]. **cells** [Gil98, Ito90, Wol99]. **cellular** [Fis93, Gut91]. **Center** [Com95b]. **Century** [Rob97, Swe96e, Doo94b, Jur90c, BDF99, Fie97, Mor98a]. **challenge** [ZS90]. **challenged** [Zor90a]. **Challenger** [Bel96b]. **challenges** [Bel90f, IK99, Jur91a, LP97a, Per90d, SLLP97]. **Champagne** [Gep99b]. **Chandy** [Ano96-75]. **change** [Mor97a, Per92b, Zor93a]. **Changed** [Ste96, GS97]. **Channeling** [Roe97]. **chaos** [HJ93]. **chapter** [Kam99]. **Characterizing** [RDK90]. **Charge** [Toe98, Hos94b]. **Charles** [Ano96z, Kap99a]. **Charms** [Swe98g]. **Chart** [Mir95]. **Charting** [BH96]. **charts** [Doe97]. **cheaper** [Mar98a]. **Check** [Mos96]. **Checking** [Per99a, CMR96, McT96]. **checks** [CCS99]. **Chemistry** [Saw95]. **Chernobyl** [Swe96b]. **Chiariglione** [Swe97b]. **Chicago** [Swe98c]. **China** [Gep95a, HS99, SH99, WH99]. **Chip** [Tho97, BT93, CP96, Fuj96, HMG90, HR96, You93, Zor99]. **Chip-scale** [Tho97]. **Chipmaking** [Gep95a]. **chips** [KM96, Mas90, Run99]. **Cho** [Bel94a]. **choices** [HK99]. **choose** [MP97]. **Choosing** [Hou95]. **Christianson** [Rob99]. **churn** [Luc98c]. **CIM** [Jai93, SJ93]. **cinema** [Bra95b]. **circa** [KWMH96]. **circuit** [Ber99, Bla96, Cam97, Lau97, Rie91b]. **Circuits** [Alt96, Ano96-105, Cha97b, Rho96]. **class** [Ben98, Shi91]. **classic** [Mor99b]. **classroom** [GF98]. **Claude** [Hor92]. **Clean** [HD96]. **Cleaning** [Per93a]. **cleans** [Gel96]. **Cledo** [Ano96-27]. **Client** [Lar94]. **climate** [Per93b, Zor93a]. **climb** [YL90]. **clip** [Ell99b]. **clip-art** [Ell99b]. **Clock** [Luc98a]. **close** [Doo94c]. **clues** [Jam98]. **CMOS** [Rie91b, SHM96, YS91]. **Co** [Rob99]. **coal**

[BS99, SH99]. **cockpit** [Swe95]. **code** [BP92, Mir96c]. **coexistence** [Zor90c]. **Coherence** [Ell96, McM96]. **Collaring** [Ico97]. **combats** [Ada94b]. **combined** [BP98]. **come** [GC94]. **comes** [Fox98, PF96].

Coming
 [Ano96-29, Ano96-30, Ano96-31, Ano96-32, Ano96-33, Ano96-34, Ano96-28, Ano96-35, Ano96-36, Ano96-37, Ano96-38, Ano96-39, Ano97-28, Ano97-29, Ano97-30, Ano97-31, Ano97-32, Ano97-33, Ano97-34, Ano97-35, Ano97-36, Ano97-37, Ano98y, Ano98z, Ano98-27, Ano98-28, Ano98-29, Ano98-30, Ano98-31, Ano98-32, Ano98-33, Ano98-34, Ano98-35, Ano98-36, Ano99-27, Ano99-28].

comments [SLLP97]. **commercial** [SPM90]. **commitment** [Bar92].

commodity [Pet95]. **Communication** [Ano96b, Wic97]. **Communications** [Ano96-75, Ano98-89, BAL96, BR97, Cam90, Cru99, RS99a, Rie98e, Bor94, DP91, Fuj96, GB91, Hen97, Low92, Low95, Rei92b, Ros91a, Sar93, Sha91, Ste98b, Sti90b, Tay92, WBR91].

Community [Sti90a]. **Compact** [Fra95b, Lub95]. **Companies** [KWCR92, McA98, Jur90b, Shi91].

company [Hos95a]. **compatible** [NP90]. **compelling** [Gum99]. **Compendium** [Mem98]. **Competing** [Ada90a].

competition [Bel90c, Tan98]. **Competitive** [Kok93, Whi93a, KW92]. **competitiveness** [Che90d, RPD+91, Whi92]. **Complete** [Bli96]. **complex** [Kal94, Rec97]. **compliant** [LP98]. **Complying** [Gre94]. **compression** [ARA91, Mem97]. **computational** [WJT96].

computationalism [Swe99d]. **Computer** [CK96, Low97, RGH90, VG96, Ano97-38, CCS99, Com93g, CMS97, Hin99, Mar90, Ng92, NP90, Whi93b]. **Computer-aided** [CK96, Low97, RGH90, VG96]. **Computers** [Ano96-75, Com96b, Com98a, DR99f, Jul97, KWC93, Mar97a, Bel91a, CZ90, Com97a, Com98b, Gep96b, Jul95, Khe94, Khe95, San96, Sei99, Zor92f, Zor93b]. **computing** [Fal96, Har92b, Hil99, SK92a].

Concept [Asp90]. **concern** [Chr90]. **Concordia** [Kap99a]. **Concurrent** [RWC91, SSZ93, Shi91, Tur91, WBR91, MC94]. **Conducting** [SS92]. **conferencing** [DR98]. **conflicting** [Mur90b]. **Conformal** [Mir98].

Congressional [Swe94c]. **conjunction** [But97]. **Conn** [Ano97b]. **conservation** [Per95b]. **conserves** [KHSK95].

Consolidating [PR92]. **consortia** [Zor90b]. **Consorting** [Mar98b]. **consortium** [Lyn93]. **constitutional** [DSD96]. **consume** [SH99].

Consumer [Ano96-76, Bra96c, Jur92c, Mil99a, Per90b, Per94a, Per95a, Per97a, Per98b, EB99, Jur90a, Jur91c, Jur93].

contenders [Com93c, Gep93]. **Contents** [Slo96, Ano96-106, Ano96-107, Ano96-108, Ano96-109, Ano96-110, Ano96-111, Ano96-112, Ano96-113, Ano96-114, Ano96-115, Ano96-116, Ano96-117, Ano97-84, Ano97-85, Ano97-86, Ano97-87, Ano97-88, Ano97-89, Ano97-90, Ano97-91, Ano97-92, Ano97-93, Ano97-94, Ano97-95, Ano98-90, Ano98-91, Ano98-92, Ano98-93, Ano98-94, Ano98-95, Ano98-96, Ano98-97, Ano98-98, Ano98-99, Ano98-100, Ano98-101, Ano99-82, Ano99-83, Ano99-84, Ano99-85, Ano99-86, Ano99-87, Ano99-88, Ano99-89, Ano99-90, Ano99-91, Ano99-92, Ano99-93].

Contest [Han96, Han97, Han98b].

continent [Fin90]. **Continuous** [Doo96b].

Contract [Fit90b]. **Contrasting** [Che90c].

control
 [Ada91a, Bel95a, Doo96d, Ell99a, Gel96, LD96, Pas95, PC98, Per91, PA91, Per97c, Raj94, SZ96, Smi93, Whi93b, Ano96-40].

controllers [PA97]. **controls** [Mas96, SW97]. **conundrum** [BS99].

Conversion [GMKJ92]. **convert** [RGG+92].

cool [Bar98]. **Cooperating** [RKGB92].

Coping [Com95a]. **coprocessors** [Fer91].

Cornell [Com95b]. **Corporate** [SB98a, BC99]. **Cortical** [NMGW96]. **Cost** [Yea96, DMP96, Obe99c, SS91]. **Count**

[Fos97f, Yea96]. **countermeasures** [Ada92b]. **country** [Doo96c]. **courage** [RGG⁺92]. **course** [BH96, Obe99d]. **courses** [McA98]. **court** [EB99]. **Courts** [Mes98]. **cover** [Ano96c, Ano96d, Ano96e, Ano96k, Ano96l, Ano96m, Ano96f, Ano96n, Ano96g, Ano96h, Ano96i, Ano96j, Ano97d, Ano97e, Ano97f, Ano97g, Ano97h, Ano97i, Ano97j, Ano97k, Ano97l, Ano97m, Ano97n, Ano97o, Ano98b, Ano98c, Ano98d, Ano98e, Ano98f, Ano98g, Ano98h, Ano98i, Ano98j, Ano98k, Ano98l, Ano98m, Ano99c, Ano99d, Ano99e, Ano99f, Ano99g, Ano99h, Ano99i, Ano99j, Ano99k, Ano99l, Ano99m, Ano99n]. **CPU** [Gep93]. **Craford** [Per95e]. **Cray** [McT96]. **Creating** [Lar95]. **creativity** [Fit90d]. **Credits** [Sir97]. **crescent** [Bal91]. **Crime** [Mor97c]. **criminals** [HSW95]. **critical** [DL93]. **Crossing** [Gro98]. **crossroads** [Sai90]. **Crucial** [Lat97]. **crunch** [Luc94b]. **cryptography** [Ada92a]. **Culture** [Bel96b, Fit91a]. **current** [Bel90d]. **currents** [PC98]. **curricula** [Wat92b]. **curve** [Ast95]. **custom** [Hin95, Pet95]. **customers** [Swe99a]. **cuts** [Per90c]. **Cutting** [SS91]. **cyber** [Swe98f]. **cybercrook** [Ico97]. **cyberspace** [McC97]. **cycle** [BP98].

D [Ano97-38, Fos97f, Ell99b]. **DACs** [Hen97]. **dad** [Ano97-38]. **dangers** [Swe97c]. **Daniel** [Ano96-124]. **dark** [McC92]. **DARPA** [RWC91]. **Data** [Ada92a, Ada92b, Bor94, BP92, CDEJ99, Low95, RT98, Sar93, Sch91, Ano90c, Cer92, Che99, DP91, Doe97, Fos98d, Fox99, GB91, GM93, Hou95, Jam98, JS99, Kor93, Kor94, Lan94, Low92, LLKS95, Mas99b, Pen99, Rad96, Rie93, Roe97, Ros91a, SS99, Sha91, Sti90b, Tra93, WS93, Yal97]. **databases** [Atw91, Sta93]. **datanets** [GAL98]. **dates** [Gep96b]. **Dave** [BDF99]. **David** [Ano96-122, Ano96-41]. **dawn** [Fox95]. **days** [Jon98a]. **DC** [Hin96h]. **Dealing** [HS96a, GM93]. **debits** [Sir97]. **Debugging** [Fuj96, Pix96]. **DEC** [Com92b]. **decade** [Per91]. **decentralized** [Bel90f]. **Decision** [Bel96b, IO96]. **deck** [Swe95]. **Deep** [Ano97-38, Waf93, LY96, SHM96, VS97, Zor94a]. **deep-submicron** [LY96, SHM96, VS97]. **defects** [SHM96]. **Defense** [Ada90b, Ano97c, Fow94, Zor90a, Ada92d, Esc90, GMKJ92, KA94, LP97a, Mos97, Pan97, SLLP97]. **defensive** [Ber99]. **define** [PA91]. **defying** [Ben98]. **Degrees** [DFC94, Pan97]. **delays** [Gra99]. **delivery** [CK99]. **deluge** [GM93]. **Demarche** [Lat97]. **density** [Lub95]. **dependability** [CCS99]. **deployable** [Ada90b]. **depth** [Kap97a]. **desert** [Zor91d]. **Design** [BK93, Dom94, Gep99c, GW98, Han98a, Luc99a, PP93, Yof96, Ano98-103, Ber99, Bil96, Bla96, Cha99, Doo96d, Fre98, GOI98, Gep98c, Goy94, Hin90, HW94, Kar96a, Kur92, Low97, Mar99a, Mur90a, Mur90b, Rho96, Smi93, Sou98, SB99b, TC97, TT95]. **design-automation** [Mur90b]. **Designing** [HHSM93, Sel90, WL98, Har92a]. **designs** [Pac99, Sha99, Sto99]. **desktop** [Com97a, DR98]. **destructive** [Bel91d]. **detection** [FASN96]. **developed** [Com92b]. **Development** [Gep97f, Pfl96, Doo97a, Faw94, Hos95a, Per90c, Swe97a, Top91, YL94]. **developments** [Com96b, Gep96d]. **Deviance** [Bel96b]. **devices** [Cha97b]. **Diagramming** [Fin97]. **diagrams** [Lau97]. **dial** [Dix95]. **dial-tone** [Dix95]. **diaries** [Ano97-83]. **diet** [PS92, WS93, Yal97]. **different** [GLS94]. **Digital** [BBH97, Bli96, Boo99, DT92, Ede97, Fox98, Han98a, Jur92a, Mar96, Mem97, PF96, Bel99, Bra95b, Dal90, Fox95, Gep99c, Ham95, Jur91a, Jur96, Nin95, Per95c]. **digitizes** [Kap97a]. **dimension** [AC97, Bra96b]. **diminishing** [Luc98b]. **directions** [Bel93c]. **dirty** [Whi93b]. **disabilities** [Ada94b]. **disabled** [Laz99].

disappearing [Luc94b]. **disc** [Ast94].
Discussion [AHP⁺95]. **disk**
 [Bel99, FASN96, Fri96]. **disks** [Lub95].
Dismantling [MW96]. **dispatch** [VG96].
Display [Luc93, Wer95]. **Displaying**
 [Ano90c]. **displays** [Wer97]. **disposal**
 [Bea97]. **distance** [Dom94]. **distributed**
 [Har92b]. **Distribution** [Ano96-71].
diversify [Zor90a]. **Diversifying** [CK99].
Diversity
 [Bar92, Bat92, DF92, Ric92, Smi92b, DFC94].
division [Jur90e]. **Do**
 [Gal96, PG96, Mar98d]. **document** [Jur91d].
Documentation [Mau94]. **documents**
 [Ell99b]. **DOE** [Col92, Zor91b]. **does**
 [Com99h]. **Doing** [SSH99, Ung96]. **Donald**
 [Ano96-42, Per98a]. **DON'Ts** [Fow93].
Doubling [SLHM94]. **Down**
 [Ell99a, BH92, Fox98]. **downsize** [Zor90a].
downsizing [Ada92d]. **DRAM** [IK99].
DRAMs [FPR⁺92, Sal92]. **dream**
 [Ano97-38]. **drive** [Com94c, FASN96]. **DSP**
 [Gep98b, Gum99, IO96, Kar96a, LB96,
 Mat90, Mat91, Pac99, Rob92]. **DSPs**
 [EB99, Ste98b]. **dumb** [Luc97f]. **dummies**
 [Obe99a]. **Durham** [Ano96-104]. **Dutton**
 [Ano96-73]. **dynamic**
 [Bel99, JPN⁺92, Mas90].

e-beam [Har99b]. **e-cash** [Gem97, ter97].
E-mail [PA92, Per92a]. **e-safe** [BC97a]. **ear**
 [SSD92]. **Earl** [War96]. **Early** [Mos96].
Earth [Fox98]. **earthing** [St.92]. **East**
 [Bal91, Per90e]. **Eavesdropping** [Kra96].
EC [Kap90b]. **Ecology** [All96]. **economic**
 [Che90c, Rod99]. **economics** [ter97].
Economy
 [Ben98, Ada90a, Fel97, UT99, Ste99].
Economy-class [Ben98]. **edge**
 [LD96, Wer95]. **EDIF** [ER90]. **Edison**
 [Wis99]. **edited** [BDF99]. **Educating**
 [Gep95b, Swe98a]. **Education**
 [Bis95, Buc95, Dua95, AW98, Bel93e, Cur93,
 EJ93, GF98, Gup94, Joh93, Mas95, McA98,
 Sur90, Tad98]. **Edward** [Ano96-52]. **Edwin**
 [Fef99]. **Ee**
 [Ano96-50, Rie96c, Rie97a, Rie97g, Ano97-39,
 Ano98-37, Ano98-38, Ano98-39, Ano98-40,
 Ano98-41, Ano98-42, Ano98-43, Ano98-44,
 Ano98-45, Ano98-46, Ano99-29, Mor98a].
EEs [Ano96-43, Ano96-44, Ano96-45,
 Ano96-46, Ano96-47, Ano96-48, Ano96-49,
 Ano96-51, Ano97-40, Ano97-41, Ano98-47,
 Ano99-38, Ano99-39, Ano99-40, Ano99-30,
 Ano99-31, Ano99-32, Ano99-33, Ano99-34,
 Ano99-35, Ano99-36, Ano99-37, Fow93,
 Per94b, Rie96a, Rie96b, Rie97b, Rie97c,
 Rie97d, Rie97e, Rie97f, Rie97h, Rie98a].
effectiveness [Pan97]. **effects**
 [Bra95b, LRC99, NM90, RTD97, Swe96b].
efficiency [Ada91a, Div96, Rie92b, Zor91g].
efficient [Rie93, SSH99]. **efficiently**
 [RMAA91]. **effort** [Cur93]. **Electric**
 [Ano96-71, Ram94, Rie92a, Rie92c, Rie92d,
 Rie92b, Gil98, GR97, HS98, KHSK95,
 Kur99, Lyn93, MT96, IH98]. **Electrical**
 [Luc98b, Che90b, Ede99, KWMH96, Per94b].
electricity [BH96, HS96b, Rud96].
Electromagnetic
 [Fit90c, MN90, NM90, MP97].
Electromagnetics [Fos95, Mir96a].
electromagnetism [Mal93].
Electromigration [LY96]. **Electron**
 [Doo96b, Har99b]. **Electronic**
 [Ada92c, Mar99a, Par97, Per92b, PA92,
 Per92a, Per97b, BLK98, CB97, HSW95,
 Jur95, Kel97, Kha96, Kra96, Kur92,
 NGOS98, Per98a, RTD97, Sto99].
Electronics [Ano96-76, Bel95a, Fra96,
 KA94, Mag97, Zor90b, Ada94a, Ada95a,
 Ada96i, Bra96c, Fit90g, Fit91c, Hin96h,
 Jur90a, Jur90d, Jur91c, Jur92c, Jur92d,
 Jur93, Kap90a, Kap91, Kap92b, Kap93,
 Kap95, Kap96, Kap97b, Kap98a, Kap99b,
 LK99b, Mil99a, Mor97d, Per90b, Per93a,
 Per94a, Per95a, PG96, Per97a, Per98b,
 RPD⁺91, Ros98, Ste93].
Electrotechnology [Gel96]. **elements**

[Jon92]. **Elephants** [Par96]. **Elevators** [Ish94]. **Elizabeth** [Zor92a]. **Elusive** [Len96]. **Emanuel** [Ano96-52]. **Embedded** [IK99, GOI98, LK99a, LP98]. **Embedding** [JJ91, Mat91, Rob92]. **emergencies** [GR97]. **emerges** [All97, Mat90]. **Emerging** [Bry96, UT99]. **emissions** [Zor94d]. **Employed** [Ste98a]. **Employment** [Bel96c, Bel90a]. **emulating** [Zor91c]. **Encouraging** [Fit90d, RWC91]. **end** [Jul94, RT98]. **endanger** [PG96]. **Endless** [Mor98a]. **Enemy** [Zim97, Mar98b]. **Energy** [Fit91b, Fit91a, HS99, Zor91b, Zor91a, Bla97, Log99, Per95b, SSH99, Swe96c, Swe97e, Swe98e, Swe99f, SB99c, Zor90f, Zor90h, Zor91f, Zor92g, Zor93c, Zor94c, Zor95a]. **energy/resource** [Per95b]. **Engineer** [Mor98a, Ada96h, Ano96-92, Ano96-93, Ano96-94, Ano97-67, Ano97-68, Ano97-69, Ano97-70, Ano98-76, Che90f, Fre98, Gep95b, GMKJ92, Gra99, Kap99a, Kel99, LP98, Mil98c, Sou98, SLHM94]. **engineered** [Per90a, Zor92d]. **Engineering** [Bel94c, Cer92, Com92a, Com94a, Dai92, Fos92, Fos93, Fos98a, Gal96, Har92a, HPV92, JB96, Kap92a, Kap92c, KS92, Kor93, Rie93, Rie98b, Rob92, Ros92a, SK92a, San90, Sky94, Smi92a, Swe98a, Ano91b, Ano91a, Che90b, Com95c, Com97b, Com99b, Cre95, Gab94b, Gep95d, GS97, Gup94, HK99, Hel99, Hin96g, Hin98, HFYT91, Hos94a, Kap99c, Luc98b, MC94, Mas95, Per98a, RMAA91, Rau93, RWC91, Rod99, SSZ93, Shi91, Sur90, Tur91, WBR91, YL90, Zor90c, BDF99]. **Engineers** [Com93a, Fos96a, Gep97g, KP98, Per92c, Fit90h, Gep96a, Gep99a, Per94b, Ric92, RGG⁺92, Wol93]. **enhances** [SS96]. **Enough** [HD96]. **ensure** [PA91]. **entails** [Bel90d]. **Entertainment** [Zor97]. **Entrepreneurial** [Gep96a]. **entrepreneurs** [KP98]. **Environment** [GM93, Per93b, Zor93a, Bet99, Fer98, Fra96, Mag97, Per95b]. **environments** [WB97]. **Envision** [BDF99]. **epidemiology** [KWC93]. **equals** [Wis96].

Equation [Mar97a]. **Equations** [Ste96, Fos96c, Mir99a]. **equipment** [JJ91, Kur92, Per91]. **Equivalence** [McT96]. **era** [JPN⁺92, Kha96]. **Ericsson** [Gut91]. **error** [Luc97c]. **especially** [GS97]. **ESPRIT** [Gut90b]. **essay** [BC93]. **Essential** [Len96]. **estimate** [LB96]. **Ethernet** [Dav97]. **Ethical** [Swe98a]. **ethics** [HL99]. **Euro** [Gro98]. **Europe** [Fox95, Gep97g, Gep98a, Joh98, Kur99, Swe94a, SB98b, Tan98]. **European** [PR92, PS98, Sti90a, SB98a]. **EV** [Ano96-53, Ano96-54, Ano96-55, Ano98-48, Ano98-49, Ano99-41, Rie97i, Rie97j, Rie97k, Rie97l, Rie98b, Rie98c, Rie98d, Rie99a, Rie99b, Rie99c]. **Evaluating** [Byr97, Ven90]. **event** [Bel90g, Bel91c, Per94e, Wat91a]. **every** [Pra94]. **everyone** [Tur91]. **everything** [GS97]. **Everywhere** [Wal96]. **evidence** [PG96]. **evolution** [CK92]. **EVs** [RW98, Toe98]. **excerpt** [BDF99]. **exegesis** [Mem97]. **expanding** [KR90]. **expediency** [Com93g]. **experience** [Swe94c]. **expert** [PA91]. **Experts** [BDF99]. **Exploiting** [Zim97]. **exploration** [Mar98a, WK90]. **exploratory** [Jam98]. **Exploring** [Pic95]. **express** [CDEJ99]. **Extension** [Hac93]. **eye** [Ano97-82, DM96, Lau97, WJT96].

fabrication [CB99]. **face** [Fos98a]. **Faceted** [Swe98c]. **Facility** [Doo96b]. **Facsimile** [Coo93]. **factor** [Luc96b]. **factory** [Ath98, Zor91d]. **facts** [Bel94c, Wic97]. **failures** [Ano96-56, Bra98, Eng96, Eng98, Fit90d, Gep96b, Gep97a, Gep97b, Gep99d, Gep99e, Obe97, Swe98b, Swe99b]. **false** [Coo93]. **fantastic** [Foc99]. **Farouk** [Ano96-71]. **fashion** [Gra98]. **fast** [FM92, FPR⁺92, JPN⁺92, Ng92, Pri94, Sal92]. **Faster** [Mar98a]. **fat** [CWG98]. **Fatal** [Luc97c]. **father** [Gep93, JNM⁺98]. **Fault** [CCS99, VS97]. **Faults** [Ano96-56, Bra98, Eng96, Eng98, Gep97a, Gep97b, Gep99d, Gep99e, Obe97, Swe98b, Swe99b, Gep96b].

FCC [Col94]. **FED** [CWG98]. **Federal** [Ada90c]. **feel** [Ric92]. **Fellow** [Swe94c]. **fend** [LS98]. **FETs** [Ven90]. **Few** [AW98]. **fibre** [DR95]. **fibre-optic** [DR95]. **Field** [Ano97a, Ano98-62, Ano99-54]. **Fieldbus** [SZ96]. **fields** [Fit90c, Kir96, MN90, NM90, Per94f, SK92a, Swa91]. **fighter** [RGH90]. **Filing** [Eld93]. **film** [All97]. **Finding** [VS97, WL98]. **finds** [Cat90]. **Fine** [AAH98, Cha99, Gra99]. **Fine-tuning** [AAH98, Gra99]. **Fink** [Ano96-42]. **fire** [Zor91b]. **Firewalls** [LS98]. **FireWire** [Wic97]. **firm** [Gut92]. **firms** [Hac93]. **First** [Wis96]. **Fish** [Zor90c]. **fitness** [Bel96c]. **fittest** [YL94]. **Fitting** [Cla92]. **Five** [Ste96]. **fix** [Han93]. **Fixed** [DR99c, IO96]. **FLAG** [DR95]. **Flash** [DH93, Eld93]. **flat** [Wer93, Wer97]. **Flatland** [Win96]. **flexibility** [Fit90b]. **Flexible** [Hin93, Com95a]. **flickers** [Gut92]. **flight** [PG96, Swe95]. **floating** [IO96]. **flood** [Roe97]. **floor** [Ber97, Zor91d]. **flops** [Rod98]. **flowering** [Wer97]. **flowers** [SK92b]. **flush** [Pix96]. **flying** [Gep98b]. **Flywheels** [Hul97]. **FMS** [Bel93a, Luc93]. **focus** [Kas94]. **focuses** [Gom96]. **Forbidden** [Ano97-96]. **Forecast** [GS99]. **Force** [Swe98f, Bra96a]. **forces** [Ada90b, Per92b]. **Ford** [Bat95]. **fore** [Gil98]. **forecast** [Bel94b, BR97, Bet99, Bra99, Bre99, Com97b, Com98a, Com99b, Doo98, DR99f, Fer98, Fos98c, Gep95c, Gep97f, Gep98g, Gep99g, Hel98, Hin98, Kap97b, Kap98a, Kap99b, Kor99, Lan98, Lan99, LK99b, Mar99a, Mas98, Mas99c, Per98b, Phi98, RS99a, Rie98e, Ros98, Spa97, Swe98e, Swe99f, Trl97]. **Forecasting** [Rob97]. **Foreign** [SD94]. **forfeit** [Tro99]. **format** [Pen99]. **Formula** [RPD⁺91]. **Forum** [Ano96-57, Ano96-58, Ano96-59, Ano96-60, Ano96-61, Ano96-62, Ano96-63, Ano96-64, Ano96-65, Ano96-66, Ano96-67, Ano96-68, Ano97-42, Ano97-43, Ano97-44, Ano97-45, Ano97-46, Ano97-47, Ano97-48, Ano97-49, Ano97-50, Ano97-51, Ano97-52, Ano97-53, Ano98-50, Ano98-51, Ano98-52, Ano98-53, Ano98-54, Ano98-55, Ano98-56, Ano98-57, Ano98-58, Ano98-59, Ano98-60, Ano98-61, Ano99-42, Ano99-43, Ano99-44, Ano99-45, Ano99-46, Ano99-47, Ano99-48, Ano99-49, Ano99-50, Ano99-51, Ano99-52, Ano99-53]. **forums** [Bat92]. **fossil** [Fra95b]. **fossil-fueled** [Fra95b]. **Fouke** [BDF99]. **Four** [Eve98]. **FPGA** [Faw94]. **framework** [Col93]. **France** [LLKS95]. **frauds** [Flo90]. **Frederik** [Ano96-69]. **Free** [Luc99b, Mor98a, Mil98a, SB99c, Tru98]. **freeform** [CB99]. **frequency** [Bar90, HT95, SS99]. **Fresh** [Gep96b, War96]. **Friendly** [Jur90b, Ano90e, Bil96]. **Front** [Ano96c, Ano96d, Ano96e, Ano96k, Ano96l, Ano96m, Ano96f, Ano96n, Ano96g, Ano96h, Ano96i, Ano96j, Ano97d, Ano97e, Ano97f, Ano97g, Ano97h, Ano97i, Ano97j, Ano97k, Ano97l, Ano97m, Ano97n, Ano97o, Ano98b, Ano98c, Ano98d, Ano98e, Ano98f, Ano98g, Ano98h, Ano98i, Ano98j, Ano98k, Ano98l, Ano98m, Ano99c, Ano99d, Ano99e, Ano99f, Ano99g, Ano99h, Ano99i, Ano99j, Ano99k, Ano99l, Ano99m, Ano99n]. **Frontier** [Mor98a]. **frontiers** [Bra95c, Kur99]. **Fuel** [Gil98, Wol99, FP93, Ito90, KHSK95, SSH99]. **fuel-cell** [FP93]. **fuel-efficient** [SSH99]. **fueled** [Fra95b]. **Functional** [LHD⁺90]. **fundamentals** [Cox92]. **further** [Ano96-120, Ano96-121, Ano97-97, Ano97-98, Ano97-99, Ano97-100, Ano98-102, Ano99-95]. **fusion** [Swe94b]. **Future** [LP97a, FP93, Joh98, Kel97, Per97c, RN97, Rie98b, Sch97, Ste92, SB98a, Wer93, SLLP97]. **Fuzziness** [Kar96b]. **Fuzzy** [Cox92, SK92b, Ada96h, Cox93, Per95d, Sel90].

G [Ano96-42, Ano96-74, Ano96-124, Ano97-38, Mor98a]. **GaAs** [Ven90]. **gaining** [BK99]. **gains** [ARA91, Fit90b]. **Gale**

[Rob99]. **Gallium** [Cat90, Dey95]. **game** [Fit90h]. **garden** [Gep95d]. **gateway** [Hol97]. **gathering** [Lub95]. **Ge** [Cre95]. **Gem** [Swe98c]. **generation** [CDEJ99, Joh90, Kap94, Mas90, SSH99]. **generations** [Zor90b]. **generator** [Wol90]. **generators** [Bar90, Bla97]. **geomagnetic** [KA90]. **George** [Per95e, Hei97, Sha94]. **geothermal** [Zor92b]. **Get** [Tru98, BC98, Com96k, Zor91g]. **gets** [Mal93, YL90]. **Getting** [Bat95, Fuq96, Lau97]. **ghosts** [Jur92b]. **giants** [Dey95]. **gigabit** [CDEJ99, Dav97]. **Give** [Sou98]. **giving** [Gep96b]. **glass** [DR95, Swe95]. **glitches** [LHD⁺90]. **glitz** [Luc96b]. **Global** [Fit90e, Mor97a, Ada90a, Dua96, Jur91b, LRC99, Obe99b, Rob99, Ste99, ZS90, Get93]. **GlobalR&D** [Jur90c]. **globe** [Soo94]. **go** [BH92, Box95, Com93c, Jur91b, SB98b, Wic96b]. **goes** [DH93, Ham95, SPM90, Zor94b]. **Going** [DRS96, Fri96, PS92]. **gold** [AW98, Bla96]. **Golem** [Fos99a]. **Good** [Doe97, Hin96f, Jur92b, Bel90a, Bla96, DR97, Hos94a]. **Good-bye** [Jur92b]. **Good-looking** [Doe97]. **government** [Ada92d, Ram94]. **Graaff** [Wol90]. **grab** [Fow94]. **gracefully** [Zor90a]. **Graduate** [Ano96-70]. **Grand** [Mar98c, Mos97, Nah92]. **Graph** [Mir95]. **graphics** [Fos92]. **grass** [LLKS95]. **gravitational** [Lew95, Sel96c]. **Gravity** [Fay99]. **great** [Flo90, Hin99, Rie92d, lH98]. **Greatbatch** [Ada95c]. **greater** [BK99]. **Green** [Per94c]. **Greenhouse** [Rob99]. **grid** [HS96b, JS99, Mas96, SB99b, Tay99]. **grids** [GR97, Leu97, RN97]. **Grounds** [St.92]. **groves** [Gup94]. **Growing** [Kuk93, Com96d]. **grows** [ER90]. **grungy** [Gup94]. **Gruntwork** [Fin97]. **Guide** [Ano96-72, Ano91b, Ano91a, DP91, GB91, HFYT91, RMAA91, Sha91]. **Gulf** [Ada91b, Rie91a, Zor91c, Zor91d]. **guys** [Sha93].

H [Ano96-42, Hei97, Sha94]. **Hal** [Ano97-38]. **half** [Tiw94]. **half-micron** [Tiw94]. **Halperin** [Ano96-71]. **halt** [Ada92e]. **hand** [Hos95b]. **Handbook** [Fos96a]. **handling** [Sch91]. **happens** [Hos94a]. **hard** [FASN96, Sto95]. **hard-disk** [FASN96]. **hardcover** [Swe98c]. **harder** [YL90]. **Harnessing** [Che90d, Jay95]. **Harold** [Ano96-104]. **haul** [Toe98]. **haute** [Com93b]. **Haven** [Ano97b, Kap98b]. **Hawaii** [Zor92b]. **haze** [LRC99]. **HDTV** [BCD⁺95, Bel95b, Fox95, Jur91a, Lub97, Nin95, Per95c]. **head** [Com93c]. **head-to-head** [Com93c]. **Heading** [GR97]. **Heads** [Sto98]. **Health** [Fos97f]. **heard** [CMS97]. **heat** [Sou98]. **heel** [Mir99a]. **Heilmeier** [Hei97, Sha94]. **hell** [Kur92]. **help** [Ada92d, Hac93, Jur90b, Laz99]. **Helping** [Laz99, Fit90d]. **helps** [Eub98]. **Henry** [Per99b]. **here** [Luc96e, Mil94a]. **Herman** [Ano96-71]. **heterojunction** [Cre95]. **HEV** [Bat95]. **HF** [Hea90]. **hi** [Ros91c]. **hi-tech** [Ros91c]. **hierarchical** [Pen99]. **High** [Gep98b, Hin96h, RN97, SS99, Bar92, Bat92, Bla97, Cha97a, DF92, GB91, GGJ⁺92, Kap98b, Kur92, Lub95, Ric92, RDK90, Smi92b, SS91, Tad98]. **high-density** [Lub95]. **high-energy** [Bla97]. **High-flying** [Gep98b]. **High-resolution** [SS99]. **high-speed** [Cha97a, GB91, RDK90]. **high-tech** [Bar92, Bat92, DF92, Kap98b, Ric92, Smi92b]. **High-voltage** [Hin96h]. **Higher** [Wer94, Fox93, Tad98]. **highly** [Mas99a]. **highways** [CW94, Jur91b]. **HiQ** [Fos97a]. **Hiroyuki** [Ano96-41]. **hit** [Zor90e]. **hits** [Rod98]. **Hitting** [Joh93]. **Hoff** [Per94d]. **Holtzman** [Fie97]. **Home** [BC98, DR99a, Ric92, Zor94b]. **Homemade** [Bha94]. **homes** [DR99d, Wol99]. **hones** [DU98]. **Hong** [Mec95]. **Honk** [Luc96d]. **Honor** [Hei97]. **horizon** [GON93, Hea90]. **horse** [Nor99]. **hospitals** [Wol99]. **hot** [San96]. **hotter** [Mal93]. **house** [Hos95a]. **http** [GS97]. **Hubble** [Bel91c, Han93].

human [Fos98a, NP90]. **human-computer** [NP90]. **Humor** [Bai96]. **Hybrid** [HS98, KHSK95]. **Hybridizing** [Bru94]. **Hybrids** [Wou95]. **hydride** [SOGC98]. **hydroelectric** [Bar90]. **hydroelectricity** [Zor90c]. **hype** [Car93, Edw97].

Ibuka [Ano96-76]. **IC** [Ano99a, Cha99, Fre98, Gep98c, Har99a, TC97]. **ICs** [Bal95, Ben98, Gep99c, Har92a, HFYT91, KS92, LY96, May94, PS92, SHM96, VS97, Wil93]. **ideal** [GAL98]. **Identifying** [SHM96]. **identity** [Mil94b]. **IDL** [Fox99]. **IEEE** [Ano99b, BDF99, Hei97, Ano96-72, Ano96a, Ano97-54, Ano98-63, Ano98-62, Ano99-54, Kuh91, Swe94c, Ano96c, Ano96d, Ano96e, Ano96k, Ano96l, Ano96m, Ano96f, Ano96n, Ano96g, Ano96h, Ano96i, Ano96j, Ano97d, Ano97e, Ano97f, Ano97g, Ano97h, Ano97i, Ano97j, Ano97k, Ano97l, Ano97m, Ano97n, Ano97o, Ano98b, Ano98c, Ano98d, Ano98e, Ano98f, Ano98g, Ano98h, Ano98i, Ano98j, Ano98k, Ano98l, Ano98m, Ano99c, Ano99d, Ano99e, Ano99f, Ano99g, Ano99h, Ano99i, Ano99j, Ano99k, Ano99l, Ano99m, Ano99n, Han96]. **if** [Luc96d]. **ignite** [Com98b]. **II** [Ada92e, Bel95e, Bel96e]. **illusion** [Mar98c]. **illustrate** [SB99b]. **Image** [Ede97]. **Imaging** [Fie97, Kir96, McC92]. **Imamura** [Ano96-103]. **immediate** [Gom96]. **Immink** [Ano96-76]. **impact** [HFYT91, Zor90b]. **Imperative** [Fos97f]. **implants** [NMGW96, WR96]. **implications** [Ada93a]. **important** [Gut90a]. **impossible** [Fef99]. **Improved** [Fos97b, Ada91a]. **Improving** [Fis92, Mos96, Sto99, Tay99]. **improvisation** [Bel90d]. **in-house** [Hos95a]. **increase** [Kin93]. **Incredible** [Bel91a, Tau99]. **India** [Bha94, SB99a, Zor94e]. **indigestion** [Gep96b]. **indoors** [WL98]. **Industrial** [All96, Gep94a, Kap95, Kap96, Kap97b, Kap98a, Kap99b, Kap90a, Kap91, Kap92b, Kap93, RWC91]. **Industries** [Ada90d, Sha93]. **industry** [Che90d, Fal96, Fra96, HS96b, Lyn93, Mag97, Per93a, Wer95]. **Infinite** [Hin99, Pic95]. **Information** [Ano96-103, But96, Luc99c, Ada91b, GE95, Gro98, HL99, Hil91]. **Infrastructure** [MW96, Roc97, Ros96]. **ingenuity** [Bel90d]. **initiative** [RWC91]. **initiatives** [Com93b]. **injection** [CCS99]. **Innovation** [Mor99a]. **Innovations** [Ano99-55, Gep97c, Gep97d, Gep97e, Gep98d, Gep98e, Gep98f, Gep99f, Jon99a]. **innovative** [Mac91]. **input** [Tur91]. **insane** [Hin99]. **insanely** [Hin99]. **Insisting** [Fef99]. **Institute** [Bel96a]. **instrument** [San90]. **instrumentation** [Fit90a, WBR91]. **instruments** [Fos96d]. **integrated** [Jur91d, PM98, Str96]. **Integrating** [Cai97]. **integrity** [Goy94]. **intellectual** [HL99]. **intelligence** [Ada91a, Kok93]. **Intelligent** [Hay93, Pas95, Cla98]. **interact** [HW94]. **Interactive** [Com96c, Per96, Rid98]. **interactively** [Win96]. **interactivity** [Ano96-133, Lar95]. **interchange** [Jur91d]. **interconnecting** [Sha91]. **interconnections** [Wat92c]. **Interesting** [Ste98a]. **interfaces** [FPR⁺92, NP90]. **Interim** [Swe97c]. **internal** [Gra99, Run99]. **International** [Ano96b, Bel96d, Bel96e, Ben93, Doo95b, Obe98]. **Internet** [Ada95b, And97, Ano98-89, Asp97, BCW97, CK99, CDEJ99, Com96c, Com96d, Com97c, Com99c, DRS96, DR99a, DR99c, Fos99b, GF98, JNM⁺98, Lan98, Lan99, Oli99, Sir97]. **Internet-based** [GF98]. **interrupt** [Luc98d]. **Introducing** [Hin95]. **invasions** [LS98]. **Inventing** [Asp97]. **Invention** [Wis99]. **inventor** [Per95d]. **investigation** [Obe99d]. **investigator** [Ico97]. **investment** [McC97]. **ion** [Ben98]. **ion-defying** [Ben98]. **Iraq** [Zor92d]. **ISBN** [Rob99]. **ISDN** [DP91, Fra95a, Pet95]. **isn't** [San90]. **Israel** [Wis99, Kap98b]. **issue** [Bel94b]. **itself** [McC97].

- J** [Ano96o, Ano96-52, Ano96-105]. **Jack** [Ano96-73]. **Jan.** [Lik92]. **Janie** [BDF99]. **Japan** [Cro91, KW92, MK90, Sai90, SK92b, Sha93, WK90]. **Japanese** [Nin95]. **Java** [Ath98, Che99, Hin96f]. **jive** [Hin96f]. **Job** [Luc98c, Hos95a]. **Jobs** [Bel93b]. **jockey** [Hin97c]. **John** [Ano96-91, Wis99]. **Johnson** [Ano96-103]. **joins** [Dey95]. **Jr.** [Per94d]. **Judith** [Ano96-74]. **jukebox** [Byr97]. **Jumping** [Ast95]. **junction** [CDEJ99, RH97]. **junk** [Luc97d]. **jury** [Fit90c, MN90, NM90]. **Just** [Bel90d, Yea96, Chr90, DR99b].
- Kailath** [Ano96-42]. **kana** [MK90]. **Kang** [Ano96-70]. **kanji** [MK90]. **Karan** [Ano96-123]. **Kaufmann** [Ano96-104]. **Keeping** [HSW95, HJ93, MA99, Bel90d]. **keeps** [Fri96]. **Kees** [Ano96-76]. **Keithley** [Ano90d]. **Ketchen** [Ano96-77]. **Kevles** [Fie97]. **Key** [Hin96f, Yof96, GS98]. **Kilowatts** [Bur93]. **kitchen** [Bel95b]. **klatch** [Hin96f]. **Kluver** [Mil98c]. **knits** [Lan94]. **Know** [Lin96, Fos99a, Joh93]. **know-how** [Joh93]. **knowledge** [Ano97-96, UT99]. **knowledge-based** [UT99]. **Kobayashi** [Ano96-75]. **Koji** [Ano96-75]. **Kong** [Mec95]. **Kosko** [Ada96h]. **Koyanagi** [Ano96-27]. **Kuala** [Rob95]. **Kunishi** [Ano96b].
- L** [Ano96-123, Doo94b]. **laboratories** [Ada90c]. **Laboratory** [San90]. **labs** [Col92]. **Labview** [Fos97d]. **ladder** [YL90]. **land** [CMS97, Fef99]. **landing** [Doo94b]. **lane** [Pri94]. **language** [Rho96]. **LANs** [Dav97, Sha91]. **Laplace** [Nah91]. **laptop** [Luc96c]. **laptops** [Tra93]. **Large** [Khe94, Khe95, Fos96c, Fos99a, GR97, Whi93b, Zor92f, Zor93b]. **laser** [For97, Lik92]. **lasers** [GON93]. **last** [GC94, RTHM92]. **Launch** [Bel96b, Doo96c]. **Launcher** [Doo96c]. **Laverick** [Zor92a]. **Law** [Tro99, Dil94, Rau93, Luc98e, Sch97].
- Layoffs** [GC94, Bel94c]. **lead** [Tru98]. **leaders** [SB98a]. **leadership** [JWA⁺91]. **leading** [LD96]. **lean** [BC93]. **leap** [Rad96]. **Learning** [PB96, Wol92]. **least** [Pra94]. **leave** [GS98, Pel97]. **LEDs** [Wer94]. **Leeds** [Ano96-77]. **legacy** [Ada91b, Ano97-38, Rie91a, Zor91c, Zor91d]. **Leland** [Ano96-124]. **length** [Fay99]. **less** [DdMMNM96, KHSK95, SSH99, SH99]. **Lessons** [Bel98, Tab96, Obe98]. **Let** [Gal96]. **lethal** [Ada90b]. **level** [CMR96, Fox93, Fre98]. **Liebman** [Ano96-78]. **Life** [Luc98d, Wis99, Fef99]. **Light** [Bel90e, GAL98, Hau93, Mor91]. **lights** [MA99]. **Like** [Mar97a, Bel90e, Luc93, Mir95]. **Lilliput** [BLK98]. **limit** [HI92]. **limits** [YS91]. **Linda** [CS93]. **line** [DRS96, Kuk93, TC97]. **lines** [BH92]. **link** [DR95, GGJ⁺92]. **listens** [CMS97]. **lithography** [FK91, Gep96c, Har99a, Zor92c]. **little** [Sha93, LP97b]. **Lives** [Sei99]. **loads** [DMP96, DL93]. **Local** [Wic96b, Bru94, GB91, Swe99a]. **Local-area** [Wic96b, GB91]. **locally** [Sto97]. **Locking** [BC97a]. **Logic** [DR91, Cla92, Per95d, SK92b, Sel90, Smi92a]. **long** [Ast94, Bel90c, Toe98]. **long-term** [Bel90c]. **look** [Com93d, Dix95, Gal94, Rod98]. **Looking** [Hea90, Hos94a, Doe97]. **looks** [Sha93]. **loop** [Bru94, Hin99]. **loosening** [Zor91a]. **losers** [Ste99]. **losing** [Fit90h, Ste99]. **Losses** [HS96a]. **Lotfi** [Per95d]. **lots** [SJ93]. **Love** [Pel97]. **Low** [Bla97, Div96, Fit90b, Fre98, Jul94]. **Low-calorie** [Bla97]. **low-end** [Jul94]. **low-power** [Fre98]. **Lumpur** [Rob95]. **Luttwak** [Ste99].
- M** [Ano96-71]. **M.** [Per95e]. **machines** [Hin97c, MWP97]. **macros** [Gra99]. **made** [Cer92, Fos93]. **magazine** [Hei97]. **Magnetic** [Woo90, Bel93e, Ede99, Fri96,

Kir96, MWP97, Per94f]. **Magnetism** [Ryd91]. **magnets** [Ryd91]. **mail** [Ada92c, Per92b, PA92, Per92a]. **main** [Bel90g, Wat91a]. **mainframes** [Zor90g, Zor91e]. **mainstream** [DH93]. **Maintain** [Eng97a]. **Major** [Fos96b]. **make** [Apf97]. **makes** [ARA91, Bar92]. **Making** [DSD96, HK99, BBH97, GE95, Gut90a, Kuh91, Ric92, Tur91, LP98]. **management** [Bel93f, Fit91b, Fit91a, Hei97, Per90e, Swa93, Zor91b, Zor91a]. **Managing** [Goy94, Pfl96, HPV92, MN90]. **Mani** [Ano96-75]. **manipulation** [Mas99b]. **Manna** [Day97]. **manufacturability** [Sto99]. **manufacture** [DU98, Har99a, Kap97a, PP93]. **Manufacturing** [JT93, May94, Ben93, EJ93, Gut92, Hay93, Joh93, Jur90c, Sha93, Whi93b]. **Many** [Swe98c, GS98]. **Many-Faceted** [Swe98c]. **march** [BPM94]. **Marcian** [Per94d]. **Marco** [Ano96z]. **Marcus** [Ano96-104]. **marine** [Doo96c]. **Mark** [Ano96-77, GS98, Tiw94]. **market** [BH96, Che90f, Fra95a, Spi96]. **marketing** [Gut90a]. **marketplace** [Ada90c]. **Mars** [Obe99d]. **Masaru** [Ano96-76]. **mass** [BC93]. **Master** [EJ93]. **Masterson** [War96]. **Math** [Bra95c, Fos97d, Fos99b, Kor99, Swe98g, Fer91, Fos91, Fos92, Fos93, Fos96b]. **Mathematical** [Rid94, Mir96b, Swa98]. **Mathematics** [Ste96, Che90e]. **Matlab** [Mir96c, Mir97]. **Matlab-to-C** [Mir97]. **Matrices** [Fos97c]. **matter** [Com99h]. **mature** [Zor97]. **Maxwell** [Mir99a, Nah92]. **may** [von94]. **Mb** [Wat91a]. **McCluskey** [Ano96-52]. **Measure** [MC94]. **measurement** [Fit91d, Gro93, Mas98, Rie92e, Rie94, Rie95b, Rie96d, Spa97]. **measurements** [Ede99, Mas99c]. **measures** [Gel96, Whi93a]. **Measuring** [Pfl92]. **Mecha** [Com94b]. **mechatronics** [Com94b]. **Medal** [Hei97]. **Medalists** [Ano96a, Ano97-54, Ano98-63, Ano99b]. **Media** [Mar97a, Bel91c, Com96c, Per94e]. **Medical** [Ada94a, Ada95a, Ada96i, Fie97, LK99b, Mor97d, Ros98, Fit90g, Fit91c, Jur92d, Ste93]. **medicine** [Aka97]. **meet** [Ada90c]. **Meeting** [Spi96]. **meetings** [DR98]. **meets** [Oli99, Per90e]. **megabits** [Woo90]. **Memoir** [Ano97b]. **Memorial** [Ano96-78]. **memories** [Ng92]. **Memory** [FM92, FPR⁺92, GGJ⁺92, JPN⁺92, Ng92, Pri94, Sal92, DH93, Gra99]. **mentor** [Hos95b]. **messiah** [Swa98]. **metal** [Joh94, SOGC98]. **Metcalfe** [Swe96d]. **Methodology** [Yof96]. **metrics** [Mog93, Rya98]. **Metropolitan** [MC90]. **Metropolitan-area** [MC90]. **Mexico** [Bea97]. **Michivuki** [Ano96-69]. **microcontroller** [Gil91, VG90]. **microcontrollers** [Kha96]. **Microelectronics** [CZ90]. **microgyroscope** [TLN98]. **Micromachines** [BPM94]. **micromechanics** [HMGT90]. **micron** [Tiw94]. **microsystems** [PM98]. **microwave** [Ven90]. **Migliaro** [Ano96z]. **MIL** [Wat92a]. **military** [AE90, AE91, Bra99, Doo93a, Doo94a, Doo95a, Doo96a, Doo97a, Doo98, KRF97]. **millennium** [BDF99, Gep96c, CP98]. **million** [Ano99a]. **Mind** [Alt96, Mac91]. **minds** [Swe99d]. **Miniature** [MWP97]. **Mining** [Wil97]. **minis** [Zor90g, Zor91e]. **Minting** [CB97]. **Minus** [Fin97, Edw97]. **Mir** [Mar98e, Obe98]. **mirror** [GLS94]. **Mirrors** [You93]. **Misdirected** [Mor96]. **Misguided** [Day96]. **missile** [Day96, LP97a, Mos97, SLLP97]. **Missiles** [Obe99b]. **missing** [Jon92]. **Mission** [Ano97c]. **misunderstood** [Sin96]. **Mitsumasa** [Ano96-27]. **mixed** [Har92a]. **mixed-signal** [Har92a]. **Mixing** [BT93, Wil93]. **Mo** [Ano96-70]. **Mobile** [Rei92b, Hil99, Joh98, Mil98a, Mor98b, Oli99]. **mode** [Luc98d]. **model** [TLN98]. **modeling** [Gro92, Per93b]. **models**

- [Col92, Jur90d, Ven90]. **modern** [Ros96]. **modernisation** [Ros96, Sto95]. **modules** [Fli94, Joh90]. **Molding** [Hau93]. **Molecule** [Bry96, Bry96]. **Money** [And97, Kel97, Per97b]. **monitoring** [HSW95, Swe96a]. **monopoly** [Bel90c]. **monster** [Zor99]. **Moore** [Luc98e, Sch97]. **Morris** [Ano96-77, Ano96-78]. **Morton** [Ano96-73]. **most** [Hin99]. **motorist** [Jur95]. **motors** [Bla97]. **mounts** [PG96]. **move** [Mor98b, Zor90d]. **movement** [Win96]. **Moving** [Ath98, Dua96]. **MPEG** [Koe99, Noa97, Swe97b]. **MPEG-2** [Noa97]. **MPEG-4** [Koe99]. **much** [DR97, Fos97c, Mun96]. **multi** [Fre98]. **multi-level** [Fre98]. **Multichip** [Joh90, Dai92, Fli94]. **Multikilowatts** [Van96]. **Multimedia** [Ada93a, Col93, ZF94, Bel93e, Com94c, Koe99]. **Multimedia-applications** [Ada93a]. **Multimedia-the** [Col93]. **Multinationals** [Zor90d]. **Multithreaded** [BH95]. **Murad** [Ano96-124]. **Muscle** [Van96]. **museums** [Bel95d, Bel95e, Bel96d, Bel96e]. **music** [Par97]. **musical** [Bar98]. **mutual** [SB98a]. **myths** [Bel94c].
- N** [Ano96-78, Swe96d]. **Naked** [Fie97]. **named** [Mor91, Sel97e]. **Nano** [Bry96]. **nanometer** [Sha99]. **Nanotechnology** [Bry96]. **NASA** [Bel96b]. **Nasdaq** [Ber97]. **national** [Ada90d]. **natural** [Bel90e]. **Navigating** [Doo94c]. **navigation** [Get93]. **necklace** [DR95]. **Needed** [Mat90]. **needs** [Gom96, Jur90e]. **Negotiating** [Ove97]. **Net** [LS98, Ada92c, Ada96a, Bil96, BCW97, Lan94, LLKS95]. **nets** [Ada96a]. **Network** [Len96, Waf93, Com97a, Dix95, HPV92, Lar95, Spi94, Sto95]. **Networking** [Sto97, Hil91]. **Networks** [DR99d, Ada96h, CS93, Cru99, GB91, Ham93a, Ham93b, Jur91d, MC90, Raj94, Swe96a, Wic96b, Yal97]. **networks/fuzzy** [Ada96h]. **Neural** [Ham93a, Ada96h, Bil96, Ham93b, Jur91d, May94, Yal97]. **neural-net** [Bil96]. **Neuromorphic** [KM96]. **Nevada** [Bea97]. **news** [Bel90a]. **Newslog** [Ano96-79, Ano96-80, Ano96-81, Ano96-82, Ano96-83, Ano96-84, Ano96-85, Ano96-86, Ano96-87, Ano96-88, Ano96-89, Ano96-90, Ano97-55, Ano97-56, Ano97-57, Ano97-58, Ano97-59, Ano97-60, Ano97-61, Ano97-62, Ano97-63, Ano97-64, Ano97-65, Ano97-66, Ano98-64, Ano98-65, Ano98-66, Ano98-67, Ano98-68, Ano98-69, Ano98-70, Ano98-71, Ano98-72, Ano98-73, Ano98-74, Ano98-75, Ano99-56, Ano99-57, Ano99-58, Ano99-59, Ano99-60, Ano99-61, Ano99-62, Ano99-63, Ano99-64, Ano99-65, Ano99-66, Ano99-67]. **Next** [BDF99, Rob97, CDEJ99, Gep96c, Joh90, JS99, Mas90, Swe96e]. **next-generation** [CDEJ99, Joh90, Mas90]. **niche** [Cat90]. **Nickel** [SOGC98]. **Nikola** [Ano96-91]. **NJ** [BDF99, Fie97]. **No** [Lin96, Gep95d]. **Nobutake** [Ano96-103]. **node** [Sel97e]. **noise** [Ell99a]. **Nokia** [Gut92]. **nonlinear** [Ven90]. **Norway** [Tab96]. **Nosaka** [Ano96b]. **nose** [BLK98]. **noses** [NGOS98]. **Nosferatu** [Sel97e]. **Notes** [Hin96a, Hin96f, Hin96b, Hin96c, Hin96d, Hin96e, Hin97a, Hin97b]. **Nuclear** [Bea97, But96, CKR94, Swe94b, ZS90, Ada92e, Cro91, Fel97, Kal94, Mar98c, Swe97d, TPB95, Zor92d]. **number** [Luc97c]. **Nurturing** [MT96].
- O** [Ano96-104, Per98a]. **object** [Atw91]. **object-oriented** [Atw91]. **observers** [PA91]. **o'clock** [Luc97b]. **Ocular** [WR96]. **off** [GR97, LS98, Obe99d]. **Often** [Mos96]. **Ogura** [Ano96-78]. **oil** [Zor91a, dMA96]. **Old** [Zak99, Cam97, Ito90, Per91, Swe99e]. **on-campus** [Fal96]. **once** [RN97]. **One** [Mas99a, SB98b, FM92, HBY90, SJ93]. **one-stop** [HBY90]. **only** [Com96d]. **ons** [Ano91a, Com92a]. **Open** [PA97, Com99a]. **open-source** [Com99a]. **Opening** [Tan98]. **operating** [Com93c]. **opportunities** [IK99].

optic [DR95]. **Optical** [Ell96, FK91, Ast94, AF95, Wil97].
optically [Dav97]. **Optics** [Ell96]. **options** [Kin93]. **optoelectronics** [Che90a]. **orbit** [Ben98]. **orbiting** [Cam90]. **order** [Bur93, LK99a]. **oriented** [Atw91]. **origin** [Fit91a]. **origins** [RH97]. **oscilloscope** [Mur96]. **oscilloscopes** [RDK90, RLH93].
other [Soo94, Sur90, Wic96a]. **others-much** [Mun96]. **our** [GS97, Koe99]. **outpost** [Doo95b]. **overhauling** [Fit91b]. **overhead** [Fit90b]. **overload** [Dal90]. **overnight** [Ast94].

P [Ano97b]. **Pack** [Fuq96]. **package** [Her99, Mas99a]. **packages** [Joh90, Mir96b]. **packaging** [Tho97, Wat92c]. **paggers** [SJ93]. **pains** [Com96d]. **paints** [SLLP97]. **Pan** [PS98]. **panacea** [Car93]. **panel** [Wer93]. **paper** [Swe98c]. **parallel** [CS93]. **parallelism** [Zor92e]. **Paris** [Sti90a]. **particles** [Fay99]. **partner** [Soo94]. **Partners** [TT95]. **Pascal** [Mor98a]. **past** [Sch97]. **Pasteur** [Mor99a]. **path** [Com99a, FM92]. **Patriot** [Rie91a]. **Patterson** [Ano96-122]. **Paul** [Ano96-74, Wis99]. **pay** [DdMMNM96, Zor90e]. **PC** [Edw97, Ste92]. **PCB** [Goy94]. **PCs** [Com93a, Com93e, Com94a, Com94d, Ros91b, Ros92b, Voe90a]. **Pederson** [Per98a]. **Peenemünde** [Ano97b]. **peep** [Swe98d]. **People** [Mar97a, CKR94, Luc99a, Swa93, WL98, Whi93b]. **performance** [Byr97, DF92, LB96]. **peripatetic** [Zor94b]. **peripherals** [Kin93, Voe90b]. **Personal** [Kob93, San96, Col94, Com96k]. **personalized** [Bel93a]. **Perspective** [Get93, Kel97, PS98, Rod99]. **Perspective/navigation** [Get93]. **perspectives** [AL92, Gep99a]. **persuasive** [PA92]. **pervasive** [PA92]. **Peter** [Ano97b]. **phantom** [Ano90d]. **Philips** [Ano96-69]. **Philosopher** [Swe99e]. **phone** [Bel90f, Fis93, Flo90, Mil98a, Oli99, Pra94, Swe99a]. **phones** [Zor90e]. **photonics** [Hin92, Low97]. **photovoltaic** [Kap94]. **Photovoltaics** [BK99, Str96]. **Photovolts** [Lys94]. **picking** [Mur96]. **picture** [LP97b, SLLP97, WH99]. **pilots** [RGH90]. **Pioneering** [Rud96]. **Pioneers** [Bro99]. **Piore** [Ano96-52]. **Piscataway** [BDF99]. **pitfalls** [Swe98d]. **place** [Sto95]. **placement** [Dai92]. **Places** [Mar97a, Luc99f]. **plague** [Luc97d]. **Planck** [Fay99]. **plane** [DU98]. **planetary** [But97]. **plans** [Mos97]. **plant** [BP98]. **plants** [Fra95b, TPB95]. **Plassche** [Ano96-105]. **platform** [Doo96c, Dua96, TT95]. **Platforms** [Com93c, Gep93]. **play** [DU98, Par97]. **playing** [Ada92c]. **plethora** [Per90d]. **Plug** [DU98]. **plus** [Per90c]. **pn** [RH97]. **Pocket** [Com98b, SJ93, Fan97]. **Poetry** [Ste96]. **Point** [Luc98f, IO96]. **points** [Mur96]. **Poised** [JWA⁺91]. **Poison** [Che99]. **police** [Fis92]. **policy** [Dav94, Day96, HS99, Mor96, Mor99b]. **Polished** [Fos95]. **politics** [HS99]. **pollutes** [KHSK95]. **polluting** [RTD97]. **pollution** [Gel96, LRC99, WH99]. **polymers** [SS92]. **ponder** [Mur96]. **pornography** [Ano97-96]. **portable** [PG96]. **position** [Hin97c]. **Positioning** [Get93, WL98]. **Posix** [Kuh91]. **postmodern** [Sel96c]. **Power** [Bal95, But96, DdMMNM96, Her99, Luc98f, RTD97, Ste96, Str96, Swe96c, Swe97e, Swe98e, Swe99f, Zor90f, Zor94c, Zor95a, Bal97, Bal91, BP98, Bur93, CKR94, Cro91, DL93, Fra95b, Fre98, Hin95, Hin96h, Ito90, Kap94, Kap99a, Leu97, Mar98c, Mar90, MT96, MA99, PR92, Rad96, Ram94, Rid94, SS96, SSH99, SB99a, SW97, Toe98, TPB95, ZF94, Zor90h, Zor91f, Zor92e, Zor92g, Zor93c]. **Powerful** [Fal96]. **powerhouse** [BP98]. **powerhouses** [Che90c]. **pp** [Ano97b, Fie97, Mor98a, Rob99, Swe98c, Wis99]. **practical** [Ano96-92, Ano96-93, Ano96-94, Ano97-67, Ano97-68, Ano97-69, Ano97-70, Ano98-76, Fos93, Fre98, Gra99, LP98, Sou98].

practices [Ben93, RWC91]. **precollege** [AW98, Che90e]. **Prepackaged** [Fos91]. **Preparing** [Pow96, Yal97, Smi92b]. **prescription** [Dal90, Mor96]. **present** [Sch97]. **president** [Ber97]. **Press** [Ano97b, BDF99, Fie97, Mor98a, Swe98c]. **pretty** [Fos97a]. **prevention** [Mor97c]. **pricing** [Log99]. **printed** [Ber99]. **printed-circuit** [Ber99]. **priorities** [Gep94a, PA91]. **priority** [Ram94, Sou98]. **Privacy** [AHP⁺95, Sto98, Ada92a]. **privatization** [DSD96]. **Prize** [Ano96o, Ano96-42, Ano96-124]. **PRML** [FASN96]. **Pro** [Mir95]. **Proactive** [Tad98]. **probe** [Ano96-120, Ano96-121, Ano97-97, Ano97-98, Ano97-99, Ano97-100, Ano98-102, Ano99-95, Obe99d]. **Problem** [AHP⁺95]. **problems** [Per90e]. **process** [LD96, SZ96]. **processed** [Ano90c]. **Processing** [Ede97, BDG96, CS93, MK90, PF96]. **processor** [BH95, LB96]. **prodigy** [Zor94b]. **production** [Ada92d, BC93, Fit91b, Kuk93]. **products** [Zor90b]. **profession** [Hos94a]. **Profile** [Hor92, KWCR92, Per92c]. **Program** [Asp90, Hin96f, Hin96a, Hin96b, Hin96c, Hin96d, Hin96e, Hin97a, Hin97b, Obe95, Zor92b]. **programmable** [Cla92]. **programmer** [El199c]. **programs** [EJ93, Hac93, Mir96c]. **progress** [Kuh91]. **project** [Bel90g, Mec95, Swe94a]. **projection** [Har99b]. **proliferate** [Ano90a]. **proliferation** [Ada92e]. **Prometheus** [Ano97-96]. **promise** [Ada91a]. **promotion** [Hos94b]. **property** [HL99]. **Protecting** [Mar90]. **protection** [Leu97]. **protections** [Tro99]. **Proteus** [Ano96z]. **protocol** [SZ96]. **protocols** [McM96]. **prototyping** [Com93d, Han93]. **pursued** [Che90c]. **pursuing** [Rie92b]. **push** [ZF94]. **Pushing** [YS91]. **put** [Mas96]. **Putting** [Jur90d, WS93].

Q&A [Hei97]. **Quadrant** [Mor99a]. **Quality** [Mos96, Pen99, SS96, Bel93f, Smi93]. **Quantum** [El196, HI92, Sel96c]. **quantum-gravitational** [Sel96c]. **quarter** [Doo94b]. **quick** [Com93d]. **Quilt** [Han96, Han97, Han98b]. **Quilting** [Han98a].

R [Ano96-52, Ano96-124, Ano97-96]. **R&D** [Bel90d, Bra96a, DF92, DdMMNM96, Gep94a, Gom96, Jur90e, KR90, Mar98b, MT96, Mur90c, PS98, SD94, SB98a, Yea96]. **R&D-wise** [Mar98b]. **Race** [Yof96]. **races** [Per91]. **Radar** [Bro99, But97, Fis92, Hea90]. **Radio** [Zor95b, HT95]. **RAID** [Fri96]. **rail** [Mor91, Sto95]. **railway** [Kur99]. **rainbow** [RT98]. **RAM** [GGJ⁺92, Mas90, Wat91a]. **RAMs** [JPN⁺92]. **rapid** [Com93d]. **raring** [SB98b]. **rational** [Noa97]. **ray** [Dal90, Zor92c]. **rays** [FK91]. **Re** [Cre95, Mas95, Sto98]. **Re-engineering** [Cre95, Mas95]. **reaches** [Fra95a]. **reactor** [Swe97a]. **Reading** [Mar99b, Hin96f]. **Ready** [All96, Mas90, SOGC98]. **Real** [Mar97a, Ada93b, Rya98]. **real-world** [Rya98]. **reality** [Ada93b, Com96c, Gal94, Gro92, Ano97-38]. **really** [San90]. **realms** [Pic95]. **reasonable** [DMP96]. **rebounding** [Swe97a]. **Recipe** [BM94]. **Recipes** [Mac98]. **recipient** [Hei97]. **recognition** [CMS97]. **Reconciling** [Mur90b]. **reconnaissance** [Swe97d]. **record** [SS99]. **recording** [Ham95]. **recovery** [dMA96]. **Recycling** [MH98, BM94]. **Redesigning** [Cam97]. **reduce** [Sou98]. **redux** [Luc98e]. **referencing** [St.92]. **reflect** [SB98a]. **Reflections** [Luc94a, Luc94b, Luc96a, Luc96b, Luc96d, Luc96c, Luc96e, Luc97b, Luc97c, Luc97d, Luc97e, Luc97a, Luc97f, Luc98a, Luc98b, Luc98c, Luc98d, Luc98e, Luc98f, Luc99a, Luc99b, Luc99c, Luc99d, Luc99e, Luc99f]. **reform** [Rud96]. **Refreshing** [Wat92b]. **refrigerators** [Per94c]. **regime** [MT96]. **register** [CMR96]. **regulator** [Kel97].

Reich [Ano97b]. **Relationship** [Obe99c, And97]. **reliability** [JS99, MA99, Pfi92, SS96, Wat92a]. **reliability-data** [JS99]. **Remaking** [Bry96]. **Remote** [Bel95c]. **renaissance** [Gep95b]. **repeater** [Ano90d]. **replace** [Per91]. **reply** [LP97b, SLLP97]. **Report** [Bal97, Kap90b]. **repose** [Fit90f]. **requirements** [Spi96]. **Requires** [Mos96]. **Research** [Doo95b, Bel90c, Che90d, Com93b, Fit90b, Hei97, McT96]. **residential** [Hol97]. **Resistance** [But96]. **Resnik** [Ano96-74]. **resolution** [SS99]. **resonance** [MWP97]. **resource** [Per95b]. **resourcefulness** [Bel90d]. **resources** [Cat92, Lar93]. **responding** [Jur90e]. **responsibility** [Smi92b]. **restructuring** [BH96, HS96b]. **Rethinking** [Zor92c]. **reuse** [Dav94]. **reverberations** [Fit90c]. **reverse** [Rau93, Zor92d]. **reverse-engineered** [Zor92d]. **Reversing** [Che90e]. **Review** [Bro99, Day96, Ede97, Ede99, Eng97a, Fay99, Fie97, Gad98, Kam99, Mac98, Mar97a, Mor99a, Pac99, Rob97, Rob99, Rod99, Ste98a, Swe98c, Wis99, Ano97b, Ano97-38, Ano97-96, Bai96, Bel96b, Bry96, But96, Ell96, Fos96a, Fos97f, Hel97, Mor98a, Pfi96, Ste99, Wis96]. **Reviews** [Bro98, Cla98, Cru99, DRE97, Ell99b, Eub98, Fos97b, Fos97c, Fos99a, Fox99, Gum99, Mar96, Mas99a, Mir98, Mir99a, Mir99b, Mor99b, Ano99-80, Ano99-81, Bil96, Dom94, EW97, Eng97c, Fos96b, Fos96c, Fos97e, Fos98b, Fos98d, Fos99c, Mir96a, Mir96c, Pad98, Pen99, Zor97]. **revising** [Rie91a]. **revisionist** [Rod98]. **Revolution** [Bli96, CK92, Hel99, Swe98c]. **Reynold** [Ano96-103]. **Richard** [Ano96-104]. **Right** [Gal96, Ung96, Hou95, Jam98, LP97b, Nor99, Yal97]. **rights** [Mar99b]. **rise** [WB97]. **rises** [Gep98a]. **rising** [Gut92]. **risk** [Bel93b, Fit90d]. **risk-taking** [Fit90d]. **risks** [Mar98c, MN90]. **Risky** [Bel96b]. **rivalries** [Zak99]. **Rizk** [Ano96-71]. **Road** [RW98, Ast94, Bat95, Joh93, Waf93]. **Robert** [Ano96-73, Swe96d]. **robotics** [WK90]. **role** [Har99b, Luc98b, RN97]. **roll** [Hul97]. **Rolling** [Kur99]. **room** [DSCN93]. **root** [Nat95]. **roots** [LLKS95]. **rose** [Gep95d]. **Rothman** [Fos97f]. **Roundtable** [Ano98-89, Com99c, Bel96c, Com96d, Com97c, Swe98a]. **routes** [DR99c]. **routing** [Dai92]. **rubicon** [Gro98]. **ruckus** [Sel96c]. **Rudy** [Ano96-105]. **Rule** [CMR96]. **rules** [Gre94, Shi91]. **Running** [Lar93]. **rural** [Bha94]. **Russia** [Obe95]. **Russian** [Obe99c]. **Rutgers** [Fie97].

S [Ano96-124, Ast95]. **S-curve** [Ast95]. **saddle** [Bal95]. **safe** [BC97a, PA91]. **safeguards** [Ada92e, Zor92d]. **safety** [Ada91a, Per93a]. **sagging** [Che90e]. **sailing** [Doo96d]. **Sakaki** [Ano96-41]. **sake** [Mil98d]. **sale** [Fil96]. **Salvageability** [Dil94]. **Samueli** [Per99b]. **sanctioning** [Fit90d]. **Sarnoff** [Ano96-41]. **satellite** [Doo96c]. **Satellites** [Mil98a, Ada91a, Cam90]. **saver** [Mir97]. **Sayed** [Ano96-42]. **scale** [Tho97]. **scare** [Fis93]. **scene** [Nin95]. **school** [Swe99e]. **schools** [Mir96b]. **Schouhamer** [Ano96-76]. **Science** [All96, Bel96a, Bry96, Mes98, Mor97a, Mor99a, Swe96e, Bel95d, Bel95e, Bel96d, Bel96e, Che90e, Hel98, Hel96, Hel97, Kor99, Mor99b, Mur90c]. **Scientific** [Swe98c]. **Scientists** [Fos96a]. **scopes** [DT92]. **script** [Rie91a]. **sea** [Mec95]. **search** [Per97c, Rie95a, IH98]. **second** [Com96d, DR99e, Wil97, Han97]. **Secrets** [Kal94]. **securities** [Wal97]. **Security** [Len96, Ada92a, Ada92b, BCW97, BP92, Che99, JS99]. **see** [PB96]. **Seeing** [Ano97-82, Kor93]. **Seeing-eye** [Ano97-82]. **seek** [Zor90a]. **Seeking** [Ada92e, Zor92d]. **Seiki** [Ano96-78]. **select** [Gil91, VG90]. **Selecting** [Fer91]. **Semiconductor** [Gep96c, SC90]. **Semiconductors** [Gep99g]. **sense** [GE95]. **senses** [Wic96a]. **sensing** [Bel95c, Zor93a]. **sensors**

[HMGT90, McC92]. **sentries** [Doo97b]. **serial** [Fos98d, Wic97]. **serious** [Zor91g]. **serve** [SOGC98]. **server** [Lar94]. **servers** [Nat95]. **service** [Pet95]. **services** [Per90d]. **Set** [Eng97a, Cic95]. **set-top** [Cic95]. **setbacks** [KA94]. **sets** [Fos96c]. **setting** [Ano91b]. **seventh** [Nor95]. **Shannon** [Hor92]. **Shapin** [Swe98c]. **shared** [WB97]. **shares** [Hei97]. **Sharing** [BC97b]. **sharper** [Sal92]. **Shattuck** [Ano97-96]. **ship** [Doo96d]. **shopping** [HBY90]. **shore** [Doo94c]. **Shoreham** [Fit90f]. **should** [Fos99a, GC94, Zak99]. **shrinking** [Bel91a, Tau99]. **shut** [Mas96]. **Shuttle** [Bel98, Obe98]. **Si** [Cre95]. **side** [Soo94, Sur90]. **Sides** [Swe98f]. **Siemens** [Gut90a]. **Sights** [Com96e, Com96a, Mil98e, Ano96-128, Ano96-129, Ano96-130, Ano96-131, Ano96-132, Ano99-96, Ano99-97, Ano99-98, Ano99-99, Ano99-100, Ano99-101, Com96f, Com96g, Com96h, Com96i, Com96j, Com97d, Com97e, Com97f, Com97g, Com97h, Com97i, Com97j, Com98c, Com98d, Com98e, Com98f, Com98g, Com98h, Com98i, Com99d, Com99e, Com99f, Eng97b, Mil98f, Mil98g, Mil99b]. **sigma** [Smi93]. **signal** [BDG96, Goy94, Har92a, PF96, St.92]. **signals** [BT93]. **significant** [Mun96]. **signs** [Mil94b]. **Silicon** [HMGT90, Cre95, Gep98a]. **simpler** [Cer92]. **simulate** [TLN98]. **simulated** [Cru99, JT93]. **Simulating** [Swa91]. **simulation** [Sha99]. **simulators** [Cen90, Fra95b, KRF97]. **Single** [Mar97b, Che90f]. **single-market** [Che90f]. **sinks** [Sou98]. **Site** [SB99b, JB96, Ove97, Eng97a]. **Sites** [Ano97-101, Com97k]. **Six** [Smi93, Gep99a]. **Six-sigma** [Smi93]. **skies** [Mec95, PA91]. **skills** [Che90e, Wol92, YL94]. **sky** [Doo95b]. **skyscrapers** [Ish94]. **slant** [War96]. **Sleuthing** [Lew95]. **slow** [Zor94d]. **Slowing** [TPB95]. **Small** [Jul95, DMP96, Hac93, SS99, Sky94]. **smaller** [Ada90b]. **Smart** [CW94, Jur91b, Raj94, dMA96, von94, BC98, HK99, Luc97f]. **smartcards** [Fan97]. **smartens** [Mas99b]. **smelling** [GW98]. **Smoother** [Doo96d]. **social** [Per92b, Roc97, Swe98d]. **Societal** [Fit90c]. **Software** [Ano99-80, Ano99-81, Bro98, CS93, Com92d, Com93f, Com95c, Com97b, Com99b, Cru99, DRE97, EW97, Ell99b, Eub98, Fos96a, Fos97b, Fos97c, Fos97e, Fos98b, Fos98c, Fos98d, Fos99c, Fox99, Gab94b, Gum99, Hin96g, Hin98, HBY90, Mas99a, Mas99b, Mir96c, Mir98, Mir99a, Mir99b, Mos96, Mur90c, Pac99, Pad98, Pen99, Pfl96, Rod99, Rya98, Trl96, Trl97, Ano90a, Ano91c, Apf97, Bil96, Bra95a, Cer92, Com92c, Dai92, DU98, Dua96, Fos92, Fos93, Fos96b, Fos96c, Gab94a, Gil91, Har92a, Hou95, Jon98a, Kap92a, Kap99c, Kor93, Kor94, Kor99, Luc99b, Mat90, Mir96a, Mir96b, MP97, Mor98b, MV90, Pfl92, Rie93, Rob92, Roc97, SK92a, Smi92a, Top91]. **Software/parallel** [CS93]. **SOI** [All97]. **solder** [Tru98]. **soldiers** [KRF97]. **Solid** [CB99, Gep94b, Gep95c, Gep96d, Gep97f, Gep98g, Gep99g, Cha97b, FP93, SC90, Sel93, Wat91b, Wat92d, Ano96-105]. **solid-state** [Cha97b, Ano96-105]. **solitons** [Bel90e, Hau93]. **Solver** [Fos96c, Mir96a]. **some** [Bel90a, Swe98d]. **sound** [AC97, Bar98]. **source** [Com99a, GAL98, Ito90]. **South** [Rud96]. **Soviet** [Che90a, Kal94]. **Space** [Bel91c, Day97, Doo95b, Doo97b, Obe95, Obe98, Obe99c, Tay92, Waf93, BE91, Doo95c, LK99a, Luc94b, Mar98a, Mar98c, WK90, AAH98]. **Speaking** [Sel96c, Sel98a, Sel98b, Ano96-118, Ano96-119, Ano99-94, Sel96a, Sel96b, Sel97e, Sel97a, Sel97b, Sel97c, Sel97d, Sel98c, Sel98d, Sel98e, Sel98f, Sel99a, Sel99b, Sel99c, Sel99d, Sel99e]. **Speakout** [MW96, Mor97b, RS99b]. **Spec** [Apf97]. **Spec-based** [Apf97]. **Special** [Bal97, Luc99f, Bra95b]. **specialities**

[Che90b, Jur91d, Jur92e]. **specialties** [Bel93e]. **species** [Wic96a]. **Specifying** [Hen97]. **spectral** [JJ91]. **Spectrum** [Ano96-29, Ano96-30, Ano96-31, Ano96-32, Ano96-33, Ano96-34, Ano96-35, Ano96-36, Ano96-37, Ano96-38, Ano96-39, Ano97-28, Ano97-29, Ano97-30, Ano97-31, Ano97-32, Ano97-33, Ano97-34, Ano97-35, Ano97-36, Ano97-37, Ano98y, Ano98z, Ano98-27, Ano98-28, Ano98-29, Ano98-30, Ano98-31, Ano98-32, Ano98-33, Ano98-34, Ano98-35, Ano98-36, Ano99-27, Ano99-28, HT95, Rad96, SPM90, Han96, Ano96-28, Ano96c, Ano96d, Ano96e, Ano96k, Ano96l, Ano96m, Ano96f, Ano96n, Ano96g, Ano96h, Ano96i, Ano96j, Ano97d, Ano97e, Ano97f, Ano97g, Ano97h, Ano97i, Ano97j, Ano97k, Ano97l, Ano97m, Ano97n, Ano97o, Ano98b, Ano98c, Ano98d, Ano98e, Ano98f, Ano98g, Ano98h, Ano98i, Ano98j, Ano98k, Ano98l, Ano98m, Ano99c, Ano99d, Ano99e, Ano99f, Ano99g, Ano99h, Ano99i, Ano99j, Ano99k, Ano99l]. **Spectrum** [Ano99m, Ano99n, Han97, Han98b, Hei97]. **speech** [CMS97]. **speed** [Cha97a, Faw94, GB91, GGJ⁺92, Luc98a, RDK90]. **Speeding** [Kar96a]. **spice** [Rid98]. **spin** [Joh94]. **spot** [CCS99]. **spot-checks** [CCS99]. **Spread** [Rad96, SPM90]. **springboard** [Hos95a]. **spur** [Fit90d]. **Spying** [Obe99a]. **squeeze** [LC99]. **stalls** [FK91]. **Standard** [Ano97-83, BCD⁺95, Dav97, YS91]. **Standards** [Mem98, Fit90e, Mur90b]. **star** [Gep98a, Gut92, Kel99]. **stars** [AW98, Bel95a]. **start** [Zor94d]. **starts** [Coo93]. **State** [Ano98-89, Com97c, Com99c, Fel97, Cha97b, Com96d, Gep94b, Gep95c, Gep96d, Gep97f, Gep98g, Gep99g, SC90, Sel93, Wat91b, Wat92d, Ano96-105]. **States** [BE91, Boo99, SD94]. **Static** [Cha97a]. **Station** [Doo95b, Obe98]. **Statistics** [Doe96]. **status** [Kap90b]. **Staying** [Fuq96, Par96, Ste98a]. **steer** [McA98]. **Steers** [Ano97-82]. **Steffes** [Ano96-74]. **Stein** [LP97b]. **Steinmetz** [Ano96z]. **step** [Kob94]. **steps** [MC94]. **Steve** [Ano96-70]. **Steven** [Swe98c]. **still** [Fit90c, MN90, NM90, Sym98]. **stock** [Ber97]. **stop** [HBY90]. **Storage** [Ano96-103, Ast94, AF95, Bel93e, DT92, Fri96, SC90]. **Stored** [Asp90]. **stories** [WBR91]. **Storing** [DL93]. **Stork** [Ano97-38]. **storm** [Lub95]. **storms** [KA90]. **Stormy** [Doo95c]. **story** [Ede99, Rob99]. **straight** [Mem97]. **strange** [And97, Wic96a]. **Strategies** [MF97, Che90c]. **street** [Zor90e]. **streetcar** [Mor91]. **streets** [HS98]. **stress** [Div96]. **stressful** [Swe96b]. **Structuring** [Sta93]. **struggle** [Gep95d]. **struggles** [SB99a]. **submarine** [DR95]. **submicron** [LY96, SHM96, VS97]. **substation** [Cai97]. **success** [Ast94, Com99h, Hos95a, Mac98, MC94, WBR91]. **successes** [KA94]. **Suite** [Eub98]. **sun** [Mak94]. **Sung** [Ano96-70]. **Sung-Mo** [Ano96-70]. **Super** [Bal97]. **superchips** [Doz92]. **supercollider** [Swe94a]. **supercomputer** [Gep99b]. **Supercomputers** [AL92, Bel92a, Com92c, CK92, Doz92, Gro92, Wat92c, Zor92e, FT93]. **Supercomputing** [Cat92, Doz92, KW92]. **Supercomputing-Japan** [KW92]. **Superconducting** [PC98, Mal93, MAW97]. **superconductivity** [RKGB92]. **superconductors** [HHSM93]. **Superdense** [AF95]. **suppliers** [Zor90a]. **supplies** [SS96]. **Supplying** [DMP96]. **support** [Che90d]. **sure** [Apf97]. **Surge** [Leu97, PC98]. **Survival** [Bel96c, YL94]. **Surviving** [Kur92]. **Swayed** [Mor98a]. **sweep** [PM98]. **Switching** [Hin92, Div96]. **symbolism** [Obe99c]. **synthesis** [DR91, Fox93, Rec97, Smi92a]. **Synthetic** [KRF97]. **system** [Bel90f, CCS99, Fin90, GOI98, HR96, Joh98, Jur90c, MA99, Per91, Rie92c, Sky94, WL98, Get93]. **system-wide** [Per91]. **Systems** [Ano96-40, Ada96h, CP96, Com93c, Com99a, Cox93, Gro98, Hel99, HT95, JT93,

KWMH96, LP98, Mar90, MV90, Pas95, Rec92, Rec97, Rui94, SW97, TLN98].

Taaau [Ano96-124]. **Table**

[Ano96-106, Ano96-107, Ano96-108, Ano96-109, Ano96-110, Ano96-111, Ano96-112, Ano96-113, Ano96-114, Ano96-115, Ano96-116, Ano96-117, Ano97-84, Ano97-85, Ano97-86, Ano97-87, Ano97-88, Ano97-89, Ano97-90, Ano97-91, Ano97-92, Ano97-93, Ano97-94, Ano97-95, Ano98-90, Ano98-91, Ano98-92, Ano98-93, Ano98-94, Ano98-95, Ano98-96, Ano98-97, Ano98-98, Ano98-99, Ano98-100, Ano98-101, Ano99-82, Ano99-83, Ano99-84, Ano99-85, Ano99-86, Ano99-87, Ano99-88, Ano99-89, Ano99-90, Ano99-91, Ano99-92, Ano99-93, Slo96].

Taboo [Ano97-96]. **tabs** [HSW95]. **tack**

[GE95]. **Tackles** [Fos96c]. **take**

[HS98, Nat95]. **Takes**

[Mar96, Ber97, Wal97]. **Taking**

[Hos94b, Fit90d]. **talking** [Kap92a]. **tap**

[Mau94, MT92]. **TAPS** [Jur91d]. **Teaching**

[Ano96-70, Ano96-122, Ano96-123, Hil91].

Teamwork [Per90c]. **tech**

[Bar92, Bat92, Col92, DF92, Kap98b, Ric92,

Ros91c, Smi92b]. **Technical**

[Ano97a, Ano98-62, Ano99-54, Bel90f, BC99,

Bel96c, Nor99, YL90, YL94]. **Technically**

[Ano96-118, Ano96-119, Ano99-94, Sel96c,

Sel96a, Sel96b, Sel97e, Sel97a, Sel97b, Sel97c,

Sel97d, Sel98a, Sel98b, Sel98c, Sel98d, Sel98e,

Sel98f, Sel99a, Sel99b, Sel99c, Sel99d, Sel99e,

Zor97]. **Technological**

[Fos97f, Mor99a, Gep95c, JWA⁺91].

technologie [Com93b]. **technologies**

[GS98, HL99, Kap94, Kas94]. **Technology**

[AE90, AE91, Ada94b, Ano91c, Bel90g,

Bel91c, Bel91b, Bel92b, Bel93c, Bel93e,

Bel93d, Bel96b, BR97, BDF99, Bra99, Bro95,

But96, Che91, Com92d, Com93e, Com93f,

CG96, Com98a, Doo93a, Doo93b, Doo97a,

Doo98, Fer98, Fin95, Fit90g, Fit91c, Fit91d,

Fos98c, Gep98g, GS99, Gro93, Hel98, Hin98,

Hul95, Jur91c, Jur91d, Jur92c, Jur92d, Jur92e, Jur92f, Jur93, Kap91, Kap92b, Kap93, Kap98a, Lan98, Loc95, Low92, Mas98, Mil98d, MW96, MV90, Mur90d, Per98b, Phi98, Rie92e, RS99a, Rie98e, Riv95, Ros91a, Ros91b, Ros92b, Ros98, SC90, Sar93, Sel93, Sha95, Spa97, Ste93, Sti90b, Swa93, Swe98e, Wal97, Wat91a, Wat91b, Wat92d, Zor90g, Zor90h, Zor91e, Zor91f, Zor92f, Zor92g, Zor93b, Zor93c, Zor94e, Ano90d, Ast95, Bel94b, Bel95d, Bel95e, Bel96d, Bel96e, Ber97, Bet99]. **technology** [Bre99, CKR94, Col93, Com97b, Com99b, Cre95, Cur93, DR99f, Fos99a, Gep99g, Gut90a, Hel97, IK99, Kap97b, Kap99b, Kor99, Kur99, Lan99, LK99b, Mal93, Mar99a, Mas99c, Mil98b, Per90c, Swe99f, Tad98, Tri97, Bel96a].

technology/electromagnetism [Mal93].

Tegopoulos [Ano96-91]. **Telecom**

[Gom96, Apf97]. **Telecommunications**

[Bel92b, Bel94d, DR96, Kob95, Pra94,

Sti90c, Bel90b, Bel91b, Bel93d, BH92, Sai90].

telegraph [Fin90]. **Telephone**

[Per90d, Tan98]. **telephony** [Joh98].

telescope [Bel95a, Bel91c]. **Television**

[Mar97a, BBH97, Per95c]. **Ten** [Mur96].

terabit [Wil97]. **term** [Bel90c]. **terminal**

[SCS91]. **terminals** [Com93g, Luc93].

terrestrial [Kas94]. **Tesla** [Ano96-91]. **Test**

[Gro93, Mas98, Mas99c, Rie94, Rie95b,

Spa97, Bel95b, Fit91d, Rie92e, Swe96a].

Testability [MT92]. **Testing**

[CP96, Dav97, Fli94, HS96a, Rui94, Run99,

Zor99, Bel91d, Com99h, Lau97, Lev92,

Noa97, Rya98, SS91]. **Tests** [Rie96d, Apf97].

their [GS98, SB98a]. **them** [Luc93, Pel97].

themselves [Wol93]. **theorem** [Bri90].

Theory [Com95b]. **thermal** [McC92].

these [Sym98]. **Thevenin** [Bri90]. **thick**

[Tho96]. **Thin** [All97, Tho96]. **Thing**

[Ung96, DR97]. **things** [WL98]. **thinking**

[GS97]. **third** [Bra96b, Han98b]. **Thirty**

[Jon97, Jon98f, Jon98g, Jon98h, Jon98i,

Jon98j, Jon98k, Jon98b, Jon98c, Jon98d, Jon98e, Jon98l, Jon99b, Jon99c, Jon99d, Jon99e, Jon99f, Jon99g, Jon99h, Jon99i, Jon99j, Jon99k, Jon99l, Jon99m, Swe97f]. **Thomas** [Ano96-42]. **Thompson** [Ano96o]. **thoughts** [Hei97]. **threat** [BCW97, JS99, Obe99b]. **threats** [Ada92b]. **Three** [Mar96, Che90c, Swe99d]. **Threshold** [BDF99]. **Tighter** [SW97]. **tightrope** [Cro91]. **time** [AAH98, Koe99, LY96, Luc97a, Mir97, Per90c, Sou98]. **time-saver** [Mir97]. **timer** [Cam97]. **Times** [Ste98a, Ros96]. **timing** [Cha97a, LHD⁺90]. **tips** [Ano91b]. **Tissue** [Gal96]. **Today** [BDF99, Per94f, Bel92a]. **togetherness** [Gut90b]. **Tomorrow** [BDF99]. **tone** [Dix95]. **Too** [Cla98, DR97, CMS97, Fos97a, Whi93b]. **tool** [Rid98]. **Tools** [Faw94, HW94, Mir96b, Rie96a, Rie97f, Yof96, Ano90a, Ano90b, Ano96-43, Ano96-44, Ano96-45, Ano96-46, Ano96-47, Ano96-48, Ano96-49, Ano96-50, Ano96-51, Ano97-40, Ano97-41, Ano97-39, Ano98-37, Ano98-38, Ano98-39, Ano98-40, Ano98-41, Ano98-42, Ano98-43, Ano98-44, Ano98-45, Ano98-46, Ano98-47, Ano99-29, Ano99-38, Ano99-39, Ano99-40, Ano99-30, Ano99-31, Ano99-32, Ano99-33, Ano99-34, Ano99-35, Ano99-36, Ano99-37, Bra95c, Cen90, Eub98, Fos98c, Gep99c, Gil91, Kap92a, Mur90a, Rid94, Rie96b, Rie96c, Rie97a, Rie97b, Rie97c, Rie97d, Rie97e, Rie97g, Rie97h, Rie98a, Rob92, Sha99, Trl97]. **top** [Bar92, Cic95, Jur90e, PA91]. **Total** [Bel93f]. **tour** [Swa96]. **towers** [Rob95]. **toy** [Ano99-30, Ano99-31, Ano99-32, Ano99-33, Ano99-34, Ano99-35, Ano99-36, Ano99-37]. **Toys** [Rie96a, Rie97f, Ano96-43, Ano96-44, Ano96-45, Ano96-46, Ano96-47, Ano96-48, Ano96-49, Ano96-50, Ano96-51, Ano97-40, Ano97-41, Ano97-39, Ano98-37, Ano98-38, Ano98-39, Ano98-40, Ano98-41, Ano98-42, Ano98-43, Ano98-44, Ano98-45, Ano98-46, Ano98-47, Ano99-29, Ano99-38, Ano99-39, Ano99-40, Rie96b, Rie96c, Rie97a, Rie97b, Rie97c, Rie97d, Rie97e, Rie97g, Rie97h, Rie98a]. **Traceable** [Gem97]. **Tracking** [Jam98]. **Tradeoffs** [Gut90b]. **trading** [Wal97, Zor94d]. **traffic** [Ada91a, Per91, PA91, Per97c]. **train** [VG96]. **training** [KRF97, Yal97]. **transcend** [Ada90d]. **transfer** [Col92, Cur93]. **transform** [Nah91]. **transformers** [MAW97]. **Transforming** [MAW97]. **transients** [Mar90]. **transistor** [Ano99a, Joh94, Tau99]. **transit** [KHSK95]. **Translating** [Mir96c]. **Transmission** [Ano96-71, Hin93, Hin96h]. **Transportation** [Boe96, Bre99, Doo94d, Doo95d, Doo96e, Doo97c, Mur90e, Phi98, Che91, Doo93b, Jur92f, Mur90d]. **travails** [Per96]. **travel** [Luc96c]. **Treasury** [Mor97c]. **Treat** [Mar97a]. **Trends** [Gep96d, Com96b, Lar94]. **Trends/developments** [Gep96d, Com96b]. **Trials** [Gep97g, Per96]. **tricks** [Ito90]. **Trimming** [Cha97b]. **Triumphs** [Gep97g]. **True** [Gad98, Foc99]. **Truly** [Rid98, Foc99]. **Trying** [Fos97f]. **tube** [Bar98]. **Tubes** [Sym98, Bar98, CWG98]. **tuning** [AAH98, Gra99]. **Tunnels** [Ano97b]. **Turbo** [Ste99]. **turf** [Gut90b]. **turning** [KA94]. **TV** [Boo99, DR99b, Fox98, Jur92b, Per96, Sal92]. **Twentieth** [Fie97]. **twin** [Rob95]. **Two** [RLH93, Swe98f, Per91, Swe99d]. **two-decade-old** [Per91]. **U.S.** [MW96, Obe99c]. **Uenohara** [Ano96-69]. **UK** [Tab96]. **Ultralight** [Har99a]. **Unbounded** [Boe96]. **Unclogging** [Har92b]. **Undergraduate** [Ano96-122, Ano96-123]. **unification** [Nah92]. **Union** [Gre94]. **unit** [Pix96]. **United** [BE91, Boo99, SD94]. **Universe** [Zor95b]. **University** [Ano97b, Fie97, Swe98c, Che90d, Hil99]. **Unlocking** [HS96b]. **unmanned** [WK90]. **Unnumbered** [Swe98g]. **Update** [Kap99c].

updates [Fos96b]. **upgrade** [Per91]. **upgraded** [Fox99, Lev92]. **Upgrading** [Ada95b]. **uphill** [Gep95d]. **usage** [Rya98]. **User** [Ano90e, Bil96, Kap92c]. **User-friendly** [Ano90e, Bil96]. **using** [Gra99, RMAA91]. **Utilities** [Fil96, Zor91g, HBY90]. **utility** [SLHM94].

V [Ano96o, Ano96-124, PS92, Wil93]. **vacuum** [Bar98]. **Value** [Yea96, Eve98]. **value-adding** [Eve98]. **vanishing** [Kur99]. **Vannevar** [Mor98a, Zac95]. **variable** [Gra99]. **vBNS** [JNM⁺98]. **Veeravalli** [Ano96o]. **vehicle** [Lyn93]. **vehicles** [Gil98, HS98, Rie92a, Rie92c, Rie92d, Rie92b, IH98]. **vehicles-architecting** [Rie92c]. **vehicles-the** [Rie92d]. **vendors** [Ros92a]. **Venugopal** [Ano96o]. **Venus** [But97]. **verification** [CK96]. **Verifying** [McM96]. **versatility** [Com92a]. **verse** [Kam99]. **versed** [Ell99c]. **VHDL** [Car93]. **via** [LC99]. **Video** [ARA91, Ham95, Mem98, Nat95, Dix95, JPN⁺92, Jur92a]. **videorecording** [War96]. **View** [Jur90e, DSCN93, Ico97, Kap92c, Per94f, Sur90, Wol93]. **Viewpoint** [All96, Bli96, Boe96, Fuq96, Gal96, HS96a, HD96, Len96, Mos96, Par96, Van96, Wal96, Yea96, Yof96, Mor97c]. **village** [Pra94]. **villages** [Lys94]. **Virtual** [Ada93b, BC97b, DR98, Fos96d, Hin97c, San90, Gra98, Per97b, WB97]. **visibility** [BK99, Wer94]. **Vision** [Mar97b, Foc99, KM96]. **visionary** [Foc99]. **visits** [SB99b]. **Visualization** [Gal94, GE95, AL92, Bra95c, Fos97b, Fox99, Pen99, RT98]. **visualized** [Doe96]. **Vital** [Mil94b, Sym98]. **Vladimir** [Ano96-40]. **voice** [CMS97, Lan94]. **Volta** [MVJ96]. **voltage** [Hin96h]. **voltages** [BT93]. **voltmeter** [MVJ96]. **Voyager** [Bel90g]. **vs** [Gut90b]. **vulnerable** [Bel90c].

W [Ano96o, Ano96z, Ano96-73]. **W.** [Ano96-124]. **Waiter** [Ano96-124]. **Walker**

[Rob99]. **wallet** [Per97b]. **Wanlass** [Rie91b]. **war** [Zor91d]. **WARC** [RTHM92]. **warfare** [Ada91b]. **warming** [Rob99]. **wars** [Com96k]. **wartime** [Ano90d]. **Washington** [Ada96b, Ada96c, Ada96d, Ada96e, Ada96f, Ada96g, Ada97a, Ada97b, Ada97c, Ada97d, Ada97e, Ada97f, Ada97g, Ada97h, Ada97i, Ada97j, Ada97k, Ada98a, Ada98b, Ada98c, Ada98d, Ada98e, Ada98f, Ada98g, Ada98h, Ada98i, Ada98j, Ada98k, Ada98l, Ada99a, Ada99b, Ada99c, Ada99d, Ada99e, Ada99f, Ada99g, Ada99h, Ada99i, Ada99j, Ada99k, Ada99l, Ano96-125, Ano96-126, Ano96-127]. **Waste** [ZS90, Bea97]. **Watch** [Ada96c, Ada96b, Ada96d, Ada96e, Ada96f, Ada96g, Ada97a, Ada97b, Ada97c, Ada97d, Ada97e, Ada97f, Ada97g, Ada97h, Ada97i, Ada97j, Ada97k, Ada98a, Ada98b, Ada98c, Ada98d, Ada98e, Ada98f, Ada98g, Ada98h, Ada98i, Ada98j, Ada98k, Ada98l, Ada99a, Ada99b, Ada99c, Ada99d, Ada99e, Ada99f, Ada99g, Ada99h, Ada99i, Ada99j, Ada99k, Ada99l, Ano96-53, Ano96-54, Ano96-55, Ano96-125, Ano96-126, Ano96-127, Ano98-48, Ano98-49, Ano99-41, Rie97i, Rie97j, Rie97k, Rie97l, Rie98c, Rie98d, Rie99a, Rie99b, Rie99c]. **Water** [Mak94, Kur92]. **Watson** [Ano96-123]. **watts** [Bha94, DdMMNM96]. **wave** [RLH93]. **Wavelet** [Aka97, BDG96]. **waves** [HT95, Lew95]. **way** [May94]. **ways** [Fos97f, Par97, RLH93]. **Weaknesses** [Zim97]. **weapons** [Fit91b]. **weather** [Doc95c, Rob97]. **Web** [Eng97a, Ano98-103, Ano96-128, Ano96-129, Ano96-130, Ano96-131, Ano96-132, Ano97-101, Ano99-96, Ano99-97, Ano99-98, Ano99-99, Ano99-100, Ano99-101, Com96e, Com96f, Com96a, Com96g, Com96h, Com96i, Com96j, Com97d, Com97e, Com97f, Com97g, Com97h, Com97k, Com97i, Com97j, Com98c, Com98d, Com98e, Com98f, Com98g, Com98h, Com98i, Com99d, Com99e, Com99f, Eng97b, Gep98c, JB96, Laz99, Mil98e, Mil98f, Mil98g, Mil99b, Ove97]. **Websights**

[Com98j, Com99g]. **Webware** [Eng97c]. **wedge** [Fos98d]. **Wegener** [Ano97b]. **well** [Ell99c]. **well-versed** [Ell99c]. **went** [Hin99, Obe99d]. **West** [Per90e]. **whatever** [Hos94a]. **Where** [Box95]. **Which** [Jul94]. **Whistle** [Fit90h]. **Whistle-blowing** [Fit90h]. **Who** [Mor98a, Ros91c]. **Wide** [Eng97a, Gep98c, Per91]. **Wiley** [Wis99]. **Will** [Ano96-124, GS98, Luc96c]. **Willinger** [Ano96-124]. **Wilson** [Ano96-124, Ada95c]. **Wind** [Ano97b, DR99e, Jay95]. **windings** [MAW97]. **Windows** [Wal96, Str96, Zor95b]. **winners** [Han96, Han97, Han98b, Ste99]. **Winning** [MF97, Ste99, Yof96]. **Wintel** [MF97]. **wire** [Fin90, Mal93]. **Wired** [Ano96-133, GF98]. **wireless** [Col94, DR99c, Kob93, Wic96b, Hil99]. **wiring** [DR99e, Rad96]. **wise** [Mar98b, Sto97]. **without** [Doo96c, Ryd91]. **Woe** [Mar98e]. **Women** [Gep97g, BC99, Gep95d, Gep96a, Gep99a]. **wonder** [Nor95]. **Wonderland** [Lub97]. **word** [MK90]. **work** [Bar92, BBH97, DFC94, Ham93a, Jur90d, Mac91, Per92a, Tur91]. **Workbench** [San90]. **workhorse** [Hin96h]. **Workhorses** [Kha96]. **Working** [Ham93b, Mil98c, Ada92e]. **workplace** [Bar92, Bat92, DF92, Ric92, Smi92b]. **works** [Apf97, DP91]. **workshop** [Gum99]. **Workstation** [Com96k, Mog93, Ano91b, Ano91a, Jul94, KS92]. **workstations** [Ano91b, Ano91a, Com92a, Com93e, Com94a, Com94d, FT93, HPV92, HBY90, HFYT91, Kap92c, KS92, RMAA91, Ros91b, Ros92a, Ros92b, Voe90a]. **World** [Eng97a, Mor98a, Ste96, Bry96, Gut91, Hin99, KR90, LD96, Luc98f, Per93b, Rya98, Shi91, Spi96, Gep98c]. **world-class** [Shi91]. **Worlds** [BC97b]. **worry** [Zak99]. **worst** [Pow96]. **wouldn't** [Bar90]. **written** [BDF99]. **wrong** [SLLP97]. **wrought** [Ros92a].

X [Com93g, Dal90, FK91, SCS91, Zor92c]. **X-ray** [Dal90, Zor92c]. **X-rays** [FK91]. **x86** [Eub98].

Y2K [Per99a, Com99h, Tro99]. **Yakubovich** [Ano96-40]. **Yale** [Ano97b]. **Year** [Rob99, CP98, LP98]. **years** [Jai93, Jon97, Jon98f, Jon98g, Jon98h, Jon98i, Jon98j, Jon98k, Jon98b, Jon98c, Jon98d, Jon98e, Jon98l, Jon99b, Jon99c, Jon99d, Jon99e, Jon99f, Jon99g, Jon99h, Jon99i, Jon99j, Jon99k, Jon99l, Jon99m, Swe97f, Sym98]. **Yi** [Bel94a]. **Yield** [HS96a]. **York** [Mor98a, Rob99, Wis99]. **young** [Fow93]. **you're** [Luc96d]. **Yourself** [Gad98].

Zachary [Mor98a]. **Zadeh** [Per95d].

References

Allan:1998:FTT

[AAH98] D. W. Allan, N. Ashby, and C. Hodge. Fine-tuning time in the Space Age. *IEEE Spectrum*, 35(3):42–51, March 1998. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anderson:1997:SD

[AC97] D. B. Anderson and M. A. Casey. The sound dimension. *IEEE Spectrum*, 34(3):46–50, March 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1990:CGE

[Ada90a] J. A. Adam. Competing in a global economy. *IEEE Spectrum*, 27(4):20–24, April 1990.

- CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ada91b]
- [Ada90b] J. A. Adam. Defense: toward smaller, more deployable forces, as lethal as can be. *IEEE Spectrum*, 27(11):30–33, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ada90c] J. A. Adam. Federal laboratories meet the marketplace. *IEEE Spectrum*, 27(10):39–44, October 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ada92b]
- [Ada90d] J. A. Adam. Industries transcend national boundaries. *IEEE Spectrum*, 27(9):26–31, September 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ada92c]
- [Ada91a] J. A. Adam. Air traffic control: satellites and artificial intelligence promise improved safety and efficiency. *IEEE Spectrum*, 28(2):27–32, February 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ada92d]
- [Adam:1991:GLW] J. A. Adam. Gulf legacy: warfare in the information age. *IEEE Spectrum*, 28(9):26–33, September 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Adam:1990:DTS] J. A. Adam. Data security — cryptography = privacy? *IEEE Spectrum*, 29(8):29–35, August 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Adam:1992:DSC] J. A. Adam. Data security — threats and countermeasures. *IEEE Spectrum*, 29(8):21–28, August 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Adam:1990:FLM] J. A. Adam. Industries transcend national boundaries. *IEEE Spectrum*, 27(9):26–31, September 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Adam:1992:DST] J. A. Adam. Electronic mail — playing on the net. *IEEE Spectrum*, 29(10):29, October 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Adam:1991:ITN] J. A. Adam. How government can help (defense production downsizing). *IEEE Spectrum*, 29(12):46–52, December 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Adam:1992:EMP] J. A. Adam. How government can help (defense production downsizing). *IEEE Spectrum*, 29(12):46–52, December 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Adam:1991:ATC] J. A. Adam. How government can help (defense production downsizing). *IEEE Spectrum*, 29(12):46–52, December 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Adam:1992:HGC] J. A. Adam. How government can help (defense production downsizing). *IEEE Spectrum*, 29(12):46–52, December 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1992:SNS

- [Ada92e] J. A. Adam. Seeking nuclear safeguards. II. Working to halt proliferation. *IEEE Spectrum*, 29(4):66–71, April 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1993:MAI

- [Ada93a] J. A. Adam. Multimedia-applications, implications. *IEEE Spectrum*, 30(3):24–31, March 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1993:VRR

- [Ada93b] J. A. Adam. Virtual reality is for real. *IEEE Spectrum*, 30(10):22–29, October 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1994:ME

- [Ada94a] J. A. Adam. Medical electronics. *IEEE Spectrum*, 31(1):70–73, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1994:TCD

- [Ada94b] J. A. Adam. Technology combats disabilities. *IEEE Spectrum*, 31(10):24–26, October 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1995:ME

- [Ada95a] J. A. Adam. Medical electronics. *IEEE Spectrum*, 32(1):80–83, January 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1995:UI

- [Ada95b] J. A. Adam. Upgrading the Internet. *IEEE Spectrum*, 32(9):24–29, September 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1995:WG

- [Ada95c] J. A. Adam. Wilson Greatbatch. *IEEE Spectrum*, 32(3):56–61, March 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1996:ANN

- [Ada96a] J. Adam. Architects of the net of nets. *IEEE Spectrum*, 33(9):56–63, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1996:WWa

- [Ada96b] J. Adam. Washington watch. *IEEE Spectrum*, 33(3):18T2–18T4, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Ada96c] **Adam:1996:WWb**
 J. Adam. Washington watch. *IEEE Spectrum*, 33(7):18T1, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ada96d] **Adam:1996:WWc** [Ada96i]
 J. Adam. Washington watch. *IEEE Spectrum*, 33(8):20T1, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ada96e] **Adam:1996:WWd** [Ada97a]
 J. Adam. Washington watch. *IEEE Spectrum*, 33(10):16T1–16T2, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ada96f] **Adam:1996:WWe** [Ada97b]
 J. Adam. Washington watch. *IEEE Spectrum*, 33(11):22T2–22T3, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ada96g] **Adam:1996:WWf** [Ada97c]
 J. Adam. Washington watch. *IEEE Spectrum*, 33(12):22T2, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ada96h] **Adam:1996:BKN** [Ada97d]
 J. A. Adam. Bart Kosko [neural networks/fuzzy systems engineer biography]. *IEEE Spectrum*, 33(2):58–62, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Adam:1996:ME**
 J. A. Adam. Medical electronics. *IEEE Spectrum*, 33(1):92–95, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Adam:1997:WWa**
 J. Adam. Washington watch. *IEEE Spectrum*, 34(1):20T4–20T6, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Adam:1997:WWb**
 J. Adam. Washington watch. *IEEE Spectrum*, 34(3):16T4–16T6, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Adam:1997:WWc**
 J. Adam. Washington watch. *IEEE Spectrum*, 34(4):16T4–16T6, April 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Adam:1997:WWd**
 J. Adam. Washington watch. *IEEE Spectrum*, 34(5):16T4, May 1997. CODEN IEESAM.

- ISSN 0018-9235 (print), 1939-9340 (electronic).
Adam:1997:WWe [Ada97j]
 [Ada97e] J. Adam. Washington watch. *IEEE Spectrum*, 34(6):16T1–16T4, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
Adam:1997:WWf [Ada97k]
 [Ada97f] J. Adam. Washington watch. *IEEE Spectrum*, 34(7):16T6–16T8, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
Adam:1997:WWg [Ada98a]
 [Ada97g] J. Adam. Washington watch. *IEEE Spectrum*, 34(8):16T2–16T4, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
Adam:1997:WWh [Ada98b]
 [Ada97h] J. Adam. Washington watch. *IEEE Spectrum*, 34(9):24T4–24T8, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
Adam:1997:WWi [Ada98c]
 [Ada97i] J. Adam. Washington watch. *IEEE Spectrum*, 34(10):16T4–16T8, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
Adam:1997:WWj
 J. Adam. Washington watch. *IEEE Spectrum*, 34(11):20T4–20T5, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
Adam:1997:WWk
 J. Adam. Washington watch. *IEEE Spectrum*, 34(12):16T2, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
Adam:1998:WWa
 J. Adam. Washington watch. *IEEE Spectrum*, 35(1):16T2–16T4, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
Adam:1998:WWb
 J. Adam. Washington watch. *IEEE Spectrum*, 35(2):16T2–16T4, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
Adam:1998:WWc
 J. Adam. Washington watch. *IEEE Spectrum*, 35(3):24T2, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1998:WWd

- [Ada98d] J. Adam. Washington watch. *IEEE Spectrum*, 35(4):16T2, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1998:WWi

- [Ada98i] J. Adam. Washington watch. *IEEE Spectrum*, 35(9):16T2–16T4, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1998:WWe

- [Ada98e] J. Adam. Washington watch. *IEEE Spectrum*, 35(5):20T2–20T4, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1998:WWj

- [Ada98j] J. Adam. Washington watch. *IEEE Spectrum*, 35(10):16T2–16T4, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1998:WWf

- [Ada98f] J. Adam. Washington watch. *IEEE Spectrum*, 35(6):20T2–20T4, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1998:WWk

- [Ada98k] J. Adam. Washington watch. *IEEE Spectrum*, 35(11):16T2–16T4, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1998:WWg

- [Ada98g] J. Adam. Washington watch. *IEEE Spectrum*, 35(7):16T2–16T4, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1998:WWl

- [Ada98l] J. Adam. Washington watch. *IEEE Spectrum*, 35(12):16T2, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1998:WWh

- [Ada98h] J. Adam. Washington watch. *IEEE Spectrum*, 35(8):12T2, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1999:WWa

- [Ada99a] J. Adam. Washington watch. *IEEE Spectrum*, 36(1):24T2–24T4, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1999:WWb

- [Ada99b] J. Adam. Washington watch. *IEEE Spectrum*, 36(2):16T2–16T3, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1999:WWg

- [Ada99g] J. Adam. Washington watch. *IEEE Spectrum*, 36(7):16I4–16I5, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1999:WWc

- [Ada99c] J. Adam. Washington watch. *IEEE Spectrum*, 36(3):16T2–16T3, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1999:WWh

- [Ada99h] J. Adam. Washington watch. *IEEE Spectrum*, 36(8):16I6–16I8, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1999:WWd

- [Ada99d] J. Adam. Washington watch. *IEEE Spectrum*, 36(4):26I2–26I3, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1999:WWi

- [Ada99i] J. Adam. Washington watch. *IEEE Spectrum*, 36(9):26I2–26I4, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1999:WWe

- [Ada99e] J. Adam. Washington watch. *IEEE Spectrum*, 36(5):18I6–18I8, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1999:WWj

- [Ada99j] J. Adam. Washington watch. *IEEE Spectrum*, 36(10):26I2–26I3, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1999:WWf

- [Ada99f] J. Adam. Washington watch. *IEEE Spectrum*, 36(6):26I1–26I4, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Adam:1999:WWk

- [Ada99k] J. Adam. Washington watch. *IEEE Spectrum*, 36(11):26I2–26I4, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Ada99] **Adam:1999:WWI**
 J. Adam. Washington watch. *IEEE Spectrum*, 36(12):24I2, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [AE90] **Adam:1990:TAM**
 J. A. Adam and K. Esch. Technology '90; aerospace and military. *IEEE Spectrum*, 27(1):49–51, January 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [AE91] **Adam:1991:TAM**
 J. A. Adam and K. Esch. Technology 1991: aerospace/military. *IEEE Spectrum*, 28(1):72–75, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [AF95] **Asthana:1995:SOS**
 P. Asthana and B. Finkelstein. Superdense optical storage. *IEEE Spectrum*, 32(8):25–31, August 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [AHP⁺95] **Adam:1995:PPD**
 J. A. Adam, L. J. Hoffman, S. Perrin, M. Rotenberg, M. Stansellgamm, R. N. Veeder, and W. H. Ware. The privacy problem — discussion. *IEEE Spectrum*, 32(12):46–52, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Aka97] **Akay:1997:WAM**
 M. Akay. Wavelet applications in medicine. *IEEE Spectrum*, 34(5):50–56, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [AL92] **Arrott:1992:SPV**
 M. Arrott and S. Latta. Supercomputers — perspectives on visualization. *IEEE Spectrum*, 29(9):61–65, September 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [All96] **Allenby:1996:VYR**
 B. R. Allenby. Viewpoint: Are you ready for the science of industrial ecology? *IEEE Spectrum*, 33(1):81, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [All97] **Alles:1997:TFS**
 M. L. Alles. Thin film SOI emerges. *IEEE Spectrum*, 34(6):37–45, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Alt96] **Altnether:1996:CMB**
 J. Altnether. Circuits of the mind [books]. *IEEE Spectrum*,

33(3):9–11, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anderson:1997:MIS

- [And97] H. Anderson. Money and the Internet: a strange new relationship. *IEEE Spectrum*, 34(2):74–76, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ano90e]

Anonymous:1990:BTP

- [Ano90a] Anonymous. Board tools proliferate software. *IEEE Spectrum*, 27(11):82–85, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ano91a]

Anonymous:1990:CCT

- [Ano90b] Anonymous. The case for CASE tools. *IEEE Spectrum*, 27(11):78–81, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ano91b]

Anonymous:1990:DPD

- [Ano90c] Anonymous. Displaying processed data. *IEEE Spectrum*, 27(11):86–89, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ano91c]

Anonymous:1990:KPR

- [Ano90d] Anonymous. Keithley's phantom repeater: applying wartime technology. *IEEE*

Spectrum, 27(12):71, December 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1990:UFC

Anonymous. User-friendly CAE. *IEEE Spectrum*, 27(11):90–92, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1991:GEWb

Anonymous. A guide to engineering workstations: add-ons for your workstation. *IEEE Spectrum*, 28(4):52–57, April 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1991:GEWa

Anonymous. A guide to engineering workstations: tips on setting up your workstation. *IEEE Spectrum*, 28(4):36–37, April 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1991:TS

Anonymous. Technology 1991: software. *IEEE Spectrum*, 28(1):36–39, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:MIA

Anonymous. The 1996 Medalists [IEEE awards]. *IEEE*

- Spectrum*, 33(6):56–60, June 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96b] **Anonymous:1996:AIC** [Ano96g] Anonymous. Award in International Communication — Kunishi Nosaka. *IEEE Spectrum*, 33(12):59, December 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96c] **Anonymous:1996:ISFa** [Ano96h] Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 33(1):c1, January 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96d] **Anonymous:1996:ISFb** [Ano96i] Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 33(2):c1, February 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96e] **Anonymous:1996:ISFc** [Ano96j] Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 33(3):c1, March 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96f] **Anonymous:1996:ISFg** [Ano96k] Anonymous. *IEEE Spectrum* [front cover]. *IEEE Spectrum*, 33(4):c1, April 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Anonymous:1996:ISFi** Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 33(9):c1, September 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Anonymous:1996:ISFj** Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 33(10):c1, October 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Anonymous:1996:ISFk** Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 33(11):c1, November 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Anonymous:1996:ISFl** Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 33(12):c1, December 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Anonymous:1996:ISFd** Anonymous. *IEEE Spectrum* [front cover]. *IEEE Spectrum*, 33(4):c1, April 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Ano96l] **Anonymous:1996:ISFe** Anonymous. *IEEE Spectrum* [front cover]. *IEEE Spectrum*, 33(5):c1, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96m] **Anonymous:1996:ISFf** Anonymous. *IEEE Spectrum* [front cover]. *IEEE Spectrum*, 33(6):c1, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96n] **Anonymous:1996:ISFh** Anonymous. *IEEE Spectrum* [front cover]. *IEEE Spectrum*, 33(8):c1, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96o] **Anonymous:1996:BJT** Anonymous. Browder J. Thompson Prize Award — Carl W. Baum and Venugopal V. Veeravalli. *IEEE Spectrum*, 33(12):64, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96p] **Anonymous:1996:Ca** Anonymous. *IEEE Spectrum*, 33(1):14-118E4, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96q] **Anonymous:1996:Cb** Anonymous. *IEEE Spectrum*, 33(2):14-64E5, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96r] **Anonymous:1996:Cc** Anonymous. *IEEE Spectrum*, 33(3):12-68E4, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96s] **Anonymous:1996:Cd** Anonymous. *IEEE Spectrum*, 33(4):15-18E4, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96t] **Anonymous:1996:Ce** Anonymous. *IEEE Spectrum*, 33(7):16-94E7, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96u] **Anonymous:1996:Cf** Anonymous. *IEEE Spectrum*, 33(8):16-60E10, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Cg

[Ano96v] Anonymous. Calendar. *IEEE Spectrum*, 33(9):16–80E2, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Ch

[Ano96w] Anonymous. Calendar. *IEEE Spectrum*, 33(10):16–64E8, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Ci

[Ano96x] Anonymous. Calendar. *IEEE Spectrum*, 33(11):20–80E12, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Cj

[Ano96y] Anonymous. Calendar. *IEEE Spectrum*, 33(12):14–66E8, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CPS

[Ano96z] Anonymous. Charles Proteus Steinmetz Award — Marco W. Migliaro. *IEEE Spectrum*, 33(12):61–62, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CBA

[Ano96-27] Anonymous. Clelio Brunetti Award — Mitsumasa Koyanagi. *IEEE Spectrum*, 33(12):58, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CSg

[Ano96-28] Anonymous. Coming in *Spectrum*. *IEEE Spectrum*, 33(7):112, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CSa

[Ano96-29] Anonymous. Coming in *Spectrum*. *IEEE Spectrum*, 33(1):136, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CSb

[Ano96-30] Anonymous. Coming in *Spectrum*. *IEEE Spectrum*, 33(2):80, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CSc

[Ano96-31] Anonymous. Coming in *Spectrum*. *IEEE Spectrum*, 33(3):84, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CSd

[Ano96-32] Anonymous. Coming in spectrum. *IEEE Spectrum*, 33(4):100, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CSe

[Ano96-33] Anonymous. Coming in spectrum. *IEEE Spectrum*, 33(5):96, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CSf

[Ano96-34] Anonymous. Coming in spectrum. *IEEE Spectrum*, 33(6):100, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CSh

[Ano96-35] Anonymous. Coming in spectrum. *IEEE Spectrum*, 33(8):80, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CSi

[Ano96-36] Anonymous. Coming in spectrum. *IEEE Spectrum*, 33(9):100, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CSj

[Ano96-37] Anonymous. Coming in spectrum. *IEEE Spectrum*, 33(10):80, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CSk

[Ano96-38] Anonymous. Coming in spectrum. *IEEE Spectrum*, 33(11):100, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CSl

[Ano96-39] Anonymous. Coming in spectrum. *IEEE Spectrum*, 33(12):88, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:CSAa

[Ano96-40] Anonymous. Control Systems Award — Vladimir A. Yakubovich. *IEEE Spectrum*, 33(12):58, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:DSA

[Ano96-41] Anonymous. David Sarnoff Award — Hiroyuki Sakaki. *IEEE Spectrum*, 33(12):61, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Ano96-42] **Anonymous:1996:DGf**
 Anonymous. Donald G. Fink Prize Award — Ali H. Sayed and Thomas Kailath. *IEEE Spectrum*, 33(12):64, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-43] **Anonymous:1996:ETTa**
 Anonymous. EEs' tools toys. *IEEE Spectrum*, 33(2):20–22, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-44] **Anonymous:1996:ETTb**
 Anonymous. EEs' tools toys. *IEEE Spectrum*, 33(4):83–85, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-45] **Anonymous:1996:ETTc**
 Anonymous. EEs' tools toys. *IEEE Spectrum*, 33(5):77–80, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-46] **Anonymous:1996:ETTd**
 Anonymous. EEs' tools toys. *IEEE Spectrum*, 33(6):85–88, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-47] **Anonymous:1996:ETT e**
 Anonymous. EEs' tools toys. *IEEE Spectrum*, 33(7):95–97, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-48] **Anonymous:1996:ETTf**
 Anonymous. EEs' tools toys. *IEEE Spectrum*, 33(8):61–62, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-49] **Anonymous:1996:ETTg**
 Anonymous. EEs' tools toys. *IEEE Spectrum*, 33(9):84–85, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-50] **Anonymous:1996:ETT h**
 Anonymous. EEs' tools toys. *IEEE Spectrum*, 33(10):59–62, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-51] **Anonymous:1996:ETT i**
 Anonymous. EEs' tools toys. *IEEE Spectrum*, 33(12):65–66, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-52] **Anonymous:1996:ERP**
 Anonymous. Emanuel R. Pire Award — Edward J. McCluskey. *IEEE Spectrum*, 33(12):61, December 1996. CODEN IEESAM. ISSN 0018-

9235 (print), 1939-9340 (electronic).

Anonymous:1996:EWa

[Ano96-53] Anonymous. EV watch. *IEEE Spectrum*, 33(3):16, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:EWb

[Ano96-54] Anonymous. EV watch. *IEEE Spectrum*, 33(6):84, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:EWc

[Ano96-55] Anonymous. EV watch. *IEEE Spectrum*, 33(12):20, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:FF

[Ano96-56] Anonymous. Faults failures. *IEEE Spectrum*, 33(2):17, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Fa

[Ano96-57] Anonymous. Forum. *IEEE Spectrum*, 33(1):6-8, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Fb

[Ano96-58] Anonymous. Forum. *IEEE Spectrum*, 33(2):6-8, February 1996. CODEN IEESAM.

ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Fc

[Ano96-59] Anonymous. Forum. *IEEE Spectrum*, 33(3):6-8, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Fd

[Ano96-60] Anonymous. Forum. *IEEE Spectrum*, 33(4):6-8, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Fe

[Ano96-61] Anonymous. Forum. *IEEE Spectrum*, 33(5):6-8, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Fg

[Ano96-62] Anonymous. Forum. *IEEE Spectrum*, 33(6):6, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Fh

[Ano96-63] Anonymous. Forum. *IEEE Spectrum*, 33(7):7-8, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Fi

[Ano96-64] Anonymous. Forum. *IEEE Spectrum*, 33(8):6-8, August 1996. CODEN IEESAM.

ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Fj

- [Ano96-65] Anonymous. Forum. *IEEE Spectrum*, 33(9):6–8, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Fk

- [Ano96-66] Anonymous. Forum. *IEEE Spectrum*, 33(10):6–8, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Fl

- [Ano96-67] Anonymous. Forum. *IEEE Spectrum*, 33(11):6–12, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Fm

- [Ano96-68] Anonymous. Forum. *IEEE Spectrum*, 33(12):6–8, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:FPA

- [Ano96-69] Anonymous. Frederik Philips Award — Michivuki Ueno-hara. *IEEE Spectrum*, 33(12):60–61, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:GTA

- [Ano96-70] Anonymous. Graduate Teaching Award — Sung-Mo

(Steve) Kang. *IEEE Spectrum*, 33(12):62, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:HHE

- [Ano96-71] Anonymous. Herman Halperin Electric Transmission and Distribution Award — Farouk A. M. Rizk. *IEEE Spectrum*, 33(12):58, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:IGA

- [Ano96-72] Anonymous. IEEE guide for authors. *IEEE Spectrum*, 33(1):107–113, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:JMA

- [Ano96-73] Anonymous. Jack A. Morton Award — Robert W. Dutton. *IEEE Spectrum*, 33(12):60, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:JRA

- [Ano96-74] Anonymous. Judith A. Resnik Award — Paul G. Steffes. *IEEE Spectrum*, 33(12):61, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Ano96-75] **Anonymous:1996:KKC**
 Anonymous. Koji Kobayashi Computers and Communications Award — K. Mani Chandy. *IEEE Spectrum*, 33 (12):59–60, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-76] **Anonymous:1996:MIC**
 Anonymous. Masaru Ibuka Consumer Electronics Award — Kees A. Schouhamer Immink. *IEEE Spectrum*, 33 (12):59, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-77] **Anonymous:1996:MLA**
 Anonymous. Morris E. Leeds Award — Mark B. Ketchen. *IEEE Spectrum*, 33 (12):60, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-78] **Anonymous:1996:MLM**
 Anonymous. Morris N. Liebman Memorial Award — Seiki Ogura. *IEEE Spectrum*, 33 (12):60, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-79] **Anonymous:1996:Na**
 Anonymous. Newslog. *IEEE Spectrum*, 33(1):1, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-80] **Anonymous:1996:Nb**
 Anonymous. Newslog. *IEEE Spectrum*, 33(2):1, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-81] **Anonymous:1996:Nc**
 Anonymous. Newslog. *IEEE Spectrum*, 33(3):1, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-82] **Anonymous:1996:Nd**
 Anonymous. Newslog. *IEEE Spectrum*, 33(4):1, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-83] **Anonymous:1996:Ne**
 Anonymous. Newslog. *IEEE Spectrum*, 33(5):1, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-84] **Anonymous:1996:Nf**
 Anonymous. Newslog. *IEEE Spectrum*, 33(6):1, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-85] **Anonymous:1996:Ng**
 Anonymous. Newslog. *IEEE Spectrum*, 33(7):1, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Nh

[Ano96-86] Anonymous. Newslog. *IEEE Spectrum*, 33(8):1, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Ni

[Ano96-87] Anonymous. Newslog. *IEEE Spectrum*, 33(9):1, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Nj

[Ano96-88] Anonymous. Newslog. *IEEE Spectrum*, 33(10):1, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Nk

[Ano96-89] Anonymous. Newslog. *IEEE Spectrum*, 33(11):1, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:Nl

[Ano96-90] Anonymous. Newslog. *IEEE Spectrum*, 33(12):1, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:NTA

[Ano96-91] Anonymous. Nikola Tesla Award — John A. Tegopoulos. *IEEE Spectrum*, 33(12):

62, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:PEa

[Ano96-92] Anonymous. The practical engineer. *IEEE Spectrum*, 33(7):67, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:PEb

[Ano96-93] Anonymous. The practical engineer. *IEEE Spectrum*, 33(9):65, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:PEc

[Ano96-94] Anonymous. The practical engineer. *IEEE Spectrum*, 33(11):61, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:RBa

[Ano96-95] Anonymous. Recent books. *IEEE Spectrum*, 33(3):18T6–66T8, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:RBb

[Ano96-96] Anonymous. Recent books. *IEEE Spectrum*, 33(5):80T2, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Ano96-97] **Anonymous:1996:RBc**
 Anonymous. Recent books. *IEEE Spectrum*, 33(7):18T2–94T4, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-98] **Anonymous:1996:RBd**
 Anonymous. Recent books. *IEEE Spectrum*, 33(8):14–60T3, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-99] **Anonymous:1996:RBe**
 Anonymous. Recent books. *IEEE Spectrum*, 33(9):13–22T6, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-100] **Anonymous:1996:RBf**
 Anonymous. Recent books. *IEEE Spectrum*, 33(10):14–64T8, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-101] **Anonymous:1996:RBg**
 Anonymous. Recent books. *IEEE Spectrum*, 33(11):22T4–78T4, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-102] **Anonymous:1996:RBh**
 Anonymous. Recent books. *IEEE Spectrum*, 33(12):13–66T2, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-103] **Anonymous:1996:RBj**
 Anonymous. Reynold B. Johnson Information Storage Award — Nobutake Iamura. *IEEE Spectrum*, 33(12):59, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-104] **Anonymous:1996:RHK**
 Anonymous. Richard Harold Kaufmann Award — Marcus O. Durham. *IEEE Spectrum*, 33(12):59, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-105] **Anonymous:1996:SSC**
 Anonymous. Solid-State Circuits Award — Rudy J. van de Plassche. *IEEE Spectrum*, 33(12):61, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano96-106] **Anonymous:1996:TCa**
 Anonymous. Table of contents. *IEEE Spectrum*, 33(1):2–4, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:TCb

[Ano96-107] Anonymous. Table of contents. *IEEE Spectrum*, 33(2):2-4, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:TCc

[Ano96-108] Anonymous. Table of contents. *IEEE Spectrum*, 33(3):2-4, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:TCd

[Ano96-109] Anonymous. Table of contents. *IEEE Spectrum*, 33(4):2-4, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:TCe

[Ano96-110] Anonymous. Table of contents. *IEEE Spectrum*, 33(5):2-4, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:TCf

[Ano96-111] Anonymous. Table of contents. *IEEE Spectrum*, 33(6):2-4, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:TCg

[Ano96-112] Anonymous. Table of contents. *IEEE Spectrum*, 33(7):2-4, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:TCh

[Ano96-113] Anonymous. Table of contents. *IEEE Spectrum*, 33(8):2-4, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:TCi

[Ano96-114] Anonymous. Table of contents. *IEEE Spectrum*, 33(9):2-4, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:TCj

[Ano96-115] Anonymous. Table of contents. *IEEE Spectrum*, 33(10):2-4, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:TCk

[Ano96-116] Anonymous. Table of contents. *IEEE Spectrum*, 33(11):2-4, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:TCl

- [Ano96-117] Anonymous. Table of contents. *IEEE Spectrum*, 33(12):2–4, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:TSa

- [Ano96-118] Anonymous. Technically speaking. *IEEE Spectrum*, 33(2):18, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:TSb

- [Ano96-119] Anonymous. Technically speaking. *IEEE Spectrum*, 33(4):19, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:PFa

- [Ano96-120] Anonymous. To probe further. *IEEE Spectrum*, 33(1):105–106, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:PFb

- [Ano96-121] Anonymous. To probe further. *IEEE Spectrum*, 33(7):65, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:UTaA

- [Ano96-122] Anonymous. Undergraduate Teaching Awards — David A. Patterson. *IEEE Spectrum*, 33(12):62, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:UTAb

- [Ano96-123] Anonymous. Undergraduate Teaching Awards — Karan L. Watson. *IEEE Spectrum*, 33(12):62, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:WRG

- [Ano96-124] Anonymous. W. R. G. Baker Prize Award — Will E. Leland, Waiter Willinger, Daniel V. Wilson and Murad S. Taaau. *IEEE Spectrum*, 33(12):63–64, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:WWa

- [Ano96-125] Anonymous. Washington watch. *IEEE Spectrum*, 33(2):16T1, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:WWb

- [Ano96-126] Anonymous. Washington watch. *IEEE Spectrum*, 33(4):18T2–18T4, April 1996. CODEN IEESAM. ISSN 0018-

9235 (print), 1939-9340 (electronic).

Anonymous:1996:WWc

- [Ano96-127] Anonymous. Washington watch. *IEEE Spectrum*, 33(9):22T2-22T4, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:WSa

- [Ano96-128] Anonymous. Web sights. *IEEE Spectrum*, 33(2):65, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:WSb

- [Ano96-129] Anonymous. Web sights. *IEEE Spectrum*, 33(4):80, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:WSc

- [Ano96-130] Anonymous. Web sights. *IEEE Spectrum*, 33(5):76, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:WSc

- [Ano96-131] Anonymous. Web sights. *IEEE Spectrum*, 33(6):96, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:WSe

- [Ano96-132] Anonymous. Web sights. *IEEE Spectrum*, 33(9):95,

September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1996:WI

- [Ano96-133] Anonymous. Wired for interactivity. *IEEE Spectrum*, 33(4):21, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:TFA

- [Ano97a] Anonymous. 1997 Technical Field Awards. *IEEE Spectrum*, 34(8):70-76, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:AUR

- [Ano97b] Anonymous. Aerodynamics under the Reich: review of *The Peenemünde Wind Tunnels: A Memoir*, Wegener, Peter P., Yale University Press, New Haven, Conn., 1996, 187 pp, \$30. *IEEE Spectrum*, 34(4):10-12, April 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:BMD

- [Ano97c] Anonymous. Ballistic mission defense: It's back. *IEEE Spectrum*, 34(9):26-27, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:ISFa

- [Ano97d] Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 34(1):c1, January 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ano97i]

Anonymous:1997:ISFf

Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 34(6):c1, June 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:ISFb

- [Ano97e] Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 34(2):c1, February 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ano97j]

Anonymous:1997:ISFg

Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 34(7):c1, July 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:ISFc

- [Ano97f] Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 34(3):c1, March 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ano97k]

Anonymous:1997:ISFh

Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 34(8):c1, August 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:ISFd

- [Ano97g] Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 34(4):c1, April 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ano97l]

Anonymous:1997:ISFi

Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 34(9):c1, September 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:ISFe

- [Ano97h] Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 34(5):c1, May 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ano97m]

Anonymous:1997:ISFj

Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 34(10):c1, October 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Ano97n] **Anonymous:1997:ISFk** Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 34(11):c1, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97o] **Anonymous:1997:ISFl** Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 34(12):c1, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97p] **Anonymous:1997:Ca** Anonymous. Calendar. *IEEE Spectrum*, 34(1):15–104E10, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97q] **Anonymous:1997:Cb** Anonymous. Calendar. *IEEE Spectrum*, 34(2):13–80E11, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97r] **Anonymous:1997:Cc** Anonymous. Calendar. *IEEE Spectrum*, 34(3):14–76E16, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97s] **Anonymous:1997:Cd** Anonymous. Calendar. *IEEE Spectrum*, 34(4):16–56E2, April 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97t] **Anonymous:1997:Ce** Anonymous. Calendar. *IEEE Spectrum*, 34(5):14–72E4, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97u] **Anonymous:1997:Cf** Anonymous. Calendar. *IEEE Spectrum*, 34(6):15–72E8, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97v] **Anonymous:1997:Cg** Anonymous. Calendar. *IEEE Spectrum*, 34(7):10–16E4, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97w] **Anonymous:1997:Ch** Anonymous. Calendar. *IEEE Spectrum*, 34(8):14–80E8, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97x] **Anonymous:1997:Ci** Anonymous. Calendar. *IEEE Spectrum*, 34(9):10–

- 96E6, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97y] **Anonymous:1997:Cj** [Ano97-30] Anonymous. Calendar. *IEEE Spectrum*, 34(10):16-72E4, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97z] **Anonymous:1997:Ck** [Ano97-31] Anonymous. Calendar. *IEEE Spectrum*, 34(11):19-20E12, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-27] **Anonymous:1997:Cl** [Ano97-32] Anonymous. Calendar. *IEEE Spectrum*, 34(12):16-16E16, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-28] **Anonymous:1997:CSa** [Ano97-33] Anonymous. Coming in spectrum. *IEEE Spectrum*, 34(1):130, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-29] **Anonymous:1997:CSb** [Ano97-34] Anonymous. Coming in spectrum. *IEEE Spectrum*, 34(2):98, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Anonymous:1997:CSc** Anonymous. Coming in spectrum. *IEEE Spectrum*, 34(4):70, April 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Anonymous:1997:CSd** Anonymous. Coming in spectrum. *IEEE Spectrum*, 34(5):90, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Anonymous:1997:CSe** Anonymous. Coming in spectrum. *IEEE Spectrum*, 34(6):90, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Anonymous:1997:CSf** Anonymous. Coming in spectrum. *IEEE Spectrum*, 34(7):86, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Anonymous:1997:CSg** Anonymous. Coming in spectrum. *IEEE Spectrum*, 34(8):98, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:CSh

- [Ano97-35] Anonymous. Coming in spectrum. *IEEE Spectrum*, 34(9):110, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:CSi

- [Ano97-36] Anonymous. Coming in spectrum. *IEEE Spectrum*, 34(10):94, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:CSj

- [Ano97-37] Anonymous. Coming in spectrum. *IEEE Spectrum*, 34(12):94, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:DBD

- [Ano97-38] Anonymous. Deep blue's dad [review of *Hal's legacy: 2001 computer as dream and reality* (Stork, D. G.; 1997)]. *IEEE Spectrum*, 34(7):12-14, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:ETTc

- [Ano97-39] Anonymous. EE's tools and toys. *IEEE Spectrum*, 34(10):70-72, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:ETTa

- [Ano97-40] Anonymous. EE's tools toys. *IEEE Spectrum*, 34(2):81-84, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:ETTb

- [Ano97-41] Anonymous. EE's tools toys. *IEEE Spectrum*, 34(9):94-96, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Fa

- [Ano97-42] Anonymous. Forum. *IEEE Spectrum*, 34(1):6-8, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Fb

- [Ano97-43] Anonymous. Forum. *IEEE Spectrum*, 34(2):6-8, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Fc

- [Ano97-44] Anonymous. Forum. *IEEE Spectrum*, 34(3):6-8, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Fd

- [Ano97-45] Anonymous. Forum. *IEEE Spectrum*, 34(4):6-8, April 1997. CODEN IEESAM.

ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Fe

[Ano97-46] Anonymous. Forum. *IEEE Spectrum*, 34(5):6, May 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Ff

[Ano97-47] Anonymous. Forum. *IEEE Spectrum*, 34(6):6, June 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Fg

[Ano97-48] Anonymous. Forum. *IEEE Spectrum*, 34(7):6-8, July 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Fh

[Ano97-49] Anonymous. Forum. *IEEE Spectrum*, 34(8):6-8, August 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Fi

[Ano97-50] Anonymous. Forum. *IEEE Spectrum*, 34(9):6-8, September 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Fj

[Ano97-51] Anonymous. Forum. *IEEE Spectrum*, 34(10):6-8, October 1997. CODEN IIESAM.

ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Fk

[Ano97-52] Anonymous. Forum. *IEEE Spectrum*, 34(11):6-10, November 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Fl

[Ano97-53] Anonymous. Forum. *IEEE Spectrum*, 34(12):6-8, December 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:IAM

[Ano97-54] Anonymous. IEEE awards — the 1997 Medalists. *IEEE Spectrum*, 34(6):24-30, June 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Na

[Ano97-55] Anonymous. Newslog. *IEEE Spectrum*, 34(1):1, January 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Nb

[Ano97-56] Anonymous. Newslog. *IEEE Spectrum*, 34(2):1, February 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:Nc

[Ano97-57] Anonymous. Newslog. *IEEE Spectrum*, 34(3):1, March

1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-58] **Anonymous:1997:Nd** [Ano97-64] Anonymous. Newslog. *IEEE Spectrum*, 34(4):1, April 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-59] **Anonymous:1997:Ne** [Ano97-65] Anonymous. Newslog. *IEEE Spectrum*, 34(5):1, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-60] **Anonymous:1997:Nf** [Ano97-66] Anonymous. Newslog. *IEEE Spectrum*, 34(6):1, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-61] **Anonymous:1997:Ng** [Ano97-67] Anonymous. Newslog. *IEEE Spectrum*, 34(7):1, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-62] **Anonymous:1997:Nh** [Ano97-68] Anonymous. Newslog. *IEEE Spectrum*, 34(8):1, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-63] **Anonymous:1997:Ni** [Ano97-69] Anonymous. Newslog. *IEEE Spectrum*, 34(9):1, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-64] **Anonymous:1997:Nj** Anonymous. Newslog. *IEEE Spectrum*, 34(10):1, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-65] **Anonymous:1997:Nk** Anonymous. Newslog. *IEEE Spectrum*, 34(11):1, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-66] **Anonymous:1997:Nl** Anonymous. Newslog. *IEEE Spectrum*, 34(12):1, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-67] **Anonymous:1997:PEa** Anonymous. The practical engineer. *IEEE Spectrum*, 34(3):59, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-68] **Anonymous:1997:PEb** Anonymous. The practical engineer. *IEEE Spectrum*, 34(5):59, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-69] **Anonymous:1997:PEc** Anonymous. The practical engineer. *IEEE Spectrum*,

- 34(7):57, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-70] **Anonymous:1997:PEd** Anonymous. The practical engineer. *IEEE Spectrum*, 34(9):79, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-71] **Anonymous:1997:RBa** Anonymous. Recent books. *IEEE Spectrum*, 34(1):20T8–20T14, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-72] **Anonymous:1997:RBb** Anonymous. Recent books. *IEEE Spectrum*, 34(3):11–76T10, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-73] **Anonymous:1997:RBc** Anonymous. Recent books. *IEEE Spectrum*, 34(4):16T8–56T5, April 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-74] **Anonymous:1997:RBd** Anonymous. Recent books. *IEEE Spectrum*, 34(5):16T8–72T4, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-75] **Anonymous:1997:RBe** Anonymous. Recent books. *IEEE Spectrum*, 34(6):14–72T4, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-76] **Anonymous:1997:RBf** Anonymous. Recent books. *IEEE Spectrum*, 34(7):15–16T10, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-77] **Anonymous:1997:RBg** Anonymous. Recent books. *IEEE Spectrum*, 34(8):12–80T4, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-78] **Anonymous:1997:RBh** Anonymous. Recent books. *IEEE Spectrum*, 34(9):24T10–96T4, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-79] **Anonymous:1997:RBi** Anonymous. Recent books. *IEEE Spectrum*, 34(10):14–72T2, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:RBj

- [Ano97-80] Anonymous. Recent books. *IEEE Spectrum*, 34(11):18–20T14, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:RBk

- [Ano97-81] Anonymous. Recent books. *IEEE Spectrum*, 34(12):15–64T4, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:SEC

- [Ano97-82] Anonymous. Seeing-eye cane steers the blind. *IEEE Spectrum*, 34(10):17, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:SD

- [Ano97-83] Anonymous. The standard diaries. *IEEE Spectrum*, 34(11):49–61, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:TCa

- [Ano97-84] Anonymous. Table of contents. *IEEE Spectrum*, 34(1):2–4, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:TCb

- [Ano97-85] Anonymous. Table of contents. *IEEE Spectrum*, 34(2):2–4, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:TCc

- [Ano97-86] Anonymous. Table of contents. *IEEE Spectrum*, 34(3):2–4, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:TCd

- [Ano97-87] Anonymous. Table of contents. *IEEE Spectrum*, 34(4):2–4, April 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:TCe

- [Ano97-88] Anonymous. Table of contents. *IEEE Spectrum*, 34(5):2–4, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1997:TCf

- [Ano97-89] Anonymous. Table of contents. *IEEE Spectrum*, 34(6):2–4, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Ano97-90] **Anonymous:1997:TCg**
 Anonymous. Table of contents. *IEEE Spectrum*, 34(7):2-4, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-91] **Anonymous:1997:TCh**
 Anonymous. Table of contents. *IEEE Spectrum*, 34(8):2-4, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-92] **Anonymous:1997:TCi**
 Anonymous. Table of contents. *IEEE Spectrum*, 34(9):2-4, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-93] **Anonymous:1997:TCj**
 Anonymous. Table of contents. *IEEE Spectrum*, 34(10):2-4, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-94] **Anonymous:1997:TCK**
 Anonymous. Table of contents. *IEEE Spectrum*, 34(11):2-4, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-95] **Anonymous:1997:TCI**
 Anonymous. Table of contents. *IEEE Spectrum*, 34(12):2-4, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-96] **Anonymous:1997:TTR**
 Anonymous. Taboo or not taboo? [review of *Forbidden knowledge: from Prometheus to pornography*, (Shattuck, R.; 1996)]. *IEEE Spectrum*, 34(7):14-15, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-97] **Anonymous:1997:PFa**
 Anonymous. To probe further. *IEEE Spectrum*, 34(1):103-104, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-98] **Anonymous:1997:PFb**
 Anonymous. To probe further. *IEEE Spectrum*, 34(2):77-80, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-99] **Anonymous:1997:PFc**
 Anonymous. To probe further. *IEEE Spectrum*, 34(3):51, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Ano97-100] **Anonymous:1997:PFd**
 Anonymous. To probe further. *IEEE Spectrum*, 34(9):69, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano97-101] **Anonymous:1997:WS**
 Anonymous. Web sites. *IEEE Spectrum*, 34(10):88, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98a] **Anonymous:1998:B**
 Anonymous. Books. *IEEE Spectrum*, 35(2):10–12, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98b] **Anonymous:1998:ISFa**
 Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 35(1):c1, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98c] **Anonymous:1998:ISFb**
 Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 35(2):c1, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98d] **Anonymous:1998:ISFc**
 Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 35(3):c1, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98e] **Anonymous:1998:ISFd**
 Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 35(4):c1, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98f] **Anonymous:1998:ISFe**
 Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 35(5):c1, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98g] **Anonymous:1998:ISFf**
 Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 35(6):c1, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98h] **Anonymous:1998:ISFg**
 Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 35(7):c1, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98i] **Anonymous:1998:ISFh**
 Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 35(8):c1, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:ISFi

- [Ano98j] Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 35(9):c1, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:ISFj

- [Ano98k] Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 35(10):c1, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:ISFk

- [Ano98l] Anonymous. *IEEE Spectrum* — front cover. *IEEE Spectrum*, 35(11):c1, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:ISFl

- [Ano98m] Anonymous. *IEEE Spectrum* — [front cover]. *IEEE Spectrum*, 35(12):c1, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Ca

- [Ano98n] Anonymous. Calendar. *IEEE Spectrum*, 35(1):12–10E4, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Cb

- [Ano98o] Anonymous. Calendar. *IEEE Spectrum*, 35(2):13–68E7, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Cc

- [Ano98p] Anonymous. Calendar. *IEEE Spectrum*, 35(3):17–68E7, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Cd

- [Ano98q] Anonymous. Calendar. *IEEE Spectrum*, 35(4):16–72E4, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Ce

- [Ano98r] Anonymous. Calendar. *IEEE Spectrum*, 35(5):14–60E4, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Cf

- [Ano98s] Anonymous. Calendar. *IEEE Spectrum*, 35(6):17–20E4, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Ano98t] **Anonymous:1998:Cg**
 Anonymous. Calendar. *IEEE Spectrum*, 35(8):11–76E4, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98u] **Anonymous:1998:Ch**
 Anonymous. Calendar. *IEEE Spectrum*, 35(9):10–80E7, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98v] **Anonymous:1998:Ci**
 Anonymous. Calendar. *IEEE Spectrum*, 35(10):16–80E2, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98w] **Anonymous:1998:Cj**
 Anonymous. Calendar. *IEEE Spectrum*, 35(11):16–60E3, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98x] **Anonymous:1998:Ck**
 Anonymous. Calendar. *IEEE Spectrum*, 35(12):13–64E6, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98y] **Anonymous:1998:CSa**
 Anonymous. Coming in spectrum. *IEEE Spectrum*, 35(1):130, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98z] **Anonymous:1998:CSb**
 Anonymous. Coming in spectrum. *IEEE Spectrum*, 35(2):86, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-27] **Anonymous:1998:CSc**
 Anonymous. Coming in spectrum. *IEEE Spectrum*, 35(3):86, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-28] **Anonymous:1998:CSd**
 Anonymous. Coming in spectrum. *IEEE Spectrum*, 35(4):90, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-29] **Anonymous:1998:CSe**
 Anonymous. Coming in spectrum. *IEEE Spectrum*, 35(5):78, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-30] **Anonymous:1998:CSf**
 Anonymous. Coming in spectrum. *IEEE Spectrum*, 35(6):98, June 1998. CODEN IEESAM. ISSN 0018-

- 9235 (print), 1939-9340 (electronic).
- [Ano98-31] **Anonymous:1998:CSg** Anonymous. Coming in spectrum. *IEEE Spectrum*, 35 (7):94, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-32] **Anonymous:1998:CSh** Anonymous. Coming in spectrum. *IEEE Spectrum*, 35 (8):94, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-33] **Anonymous:1998:CSi** Anonymous. Coming in spectrum. *IEEE Spectrum*, 35 (9):98, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-34] **Anonymous:1998:CSj** Anonymous. Coming in spectrum. *IEEE Spectrum*, 35 (10):102, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-35] **Anonymous:1998:CSk** Anonymous. Coming in spectrum. *IEEE Spectrum*, 35 (11):86, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-36] **Anonymous:1998:CSl** Anonymous. Coming in spectrum. *IEEE Spectrum*, 35 (12):98, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-37] **Anonymous:1998:ETTa** Anonymous. EE's tools and toys. *IEEE Spectrum*, 35(2):67-68, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-38] **Anonymous:1998:ETTb** Anonymous. EE's tools and toys. *IEEE Spectrum*, 35 (3):66-68, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-39] **Anonymous:1998:ETTc** Anonymous. EE's tools and toys. *IEEE Spectrum*, 35 (4):69-71, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-40] **Anonymous:1998:ETTd** Anonymous. EE's tools and toys. *IEEE Spectrum*, 35 (5):61-64, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Ano98-41] **Anonymous:1998:ETTe**
 Anonymous. EE's tools and toys. *IEEE Spectrum*, 35(6):82-84, June 1998. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-42] **Anonymous:1998:ETTf**
 Anonymous. EE's tools and toys. *IEEE Spectrum*, 35(7):77-80, July 1998. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-43] **Anonymous:1998:ETTg**
 Anonymous. EE's tools and toys. *IEEE Spectrum*, 35(8):87-89, August 1998. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-44] **Anonymous:1998:ETTTh**
 Anonymous. EE's tools and toys. *IEEE Spectrum*, 35(9):81-83, September 1998. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-45] **Anonymous:1998:ETTi**
 Anonymous. EE's tools and toys. *IEEE Spectrum*, 35(10):81-84, October 1998. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-46] **Anonymous:1998:ETTj**
 Anonymous. EE's tools and toys. *IEEE Spectrum*, 35(11):57-60, November 1998. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-47] **Anonymous:1998:ETTk**
 Anonymous. EE's tools toys. *IEEE Spectrum*, 35(12):65-68, December 1998. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-48] **Anonymous:1998:EWa**
 Anonymous. EV watch. *IEEE Spectrum*, 35(3):22-23, March 1998. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-49] **Anonymous:1998:EWb**
 Anonymous. EV watch. *IEEE Spectrum*, 35(12):16, December 1998. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-50] **Anonymous:1998:Fa**
 Anonymous. Forum. *IEEE Spectrum*, 35(1):6, January 1998. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-51] **Anonymous:1998:Fb**
 Anonymous. Forum. *IEEE Spectrum*, 35(2):6-8, February 1998. CODEN IIESAM.

ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Fc

[Ano98-52] Anonymous. Forum. *IEEE Spectrum*, 35(3):6–8, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Fd

[Ano98-53] Anonymous. Forum. *IEEE Spectrum*, 35(4):6–10, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Fe

[Ano98-54] Anonymous. Forum. *IEEE Spectrum*, 35(5):6–8, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Ff

[Ano98-55] Anonymous. Forum. *IEEE Spectrum*, 35(6):6–8, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Fg

[Ano98-56] Anonymous. Forum. *IEEE Spectrum*, 35(7):6–8, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Fh

[Ano98-57] Anonymous. Forum. *IEEE Spectrum*, 35(8):6–7, August 1998. CODEN IEESAM.

ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Fi

[Ano98-58] Anonymous. Forum. *IEEE Spectrum*, 35(9):6–8, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Fj

[Ano98-59] Anonymous. Forum. *IEEE Spectrum*, 35(10):6–10, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Fk

[Ano98-60] Anonymous. Forum. *IEEE Spectrum*, 35(11):6–10, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:Fl

[Ano98-61] Anonymous. Forum. *IEEE Spectrum*, 35(12):6–8, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:ITF

[Ano98-62] Anonymous. The IEEE 1998 Technical Field Awards. *IEEE Spectrum*, 35(8):52–61, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:IMA

[Ano98-63] Anonymous. The IEEE Medalists [awards]. *IEEE*

- Spectrum*, 35(6):62–67, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-64] **Anonymous:1998:Na** Anonymous. Newslog. *IEEE Spectrum*, 35(1):1, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-65] **Anonymous:1998:Nb** Anonymous. Newslog. *IEEE Spectrum*, 35(2):1, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-66] **Anonymous:1998:Nc** Anonymous. Newslog. *IEEE Spectrum*, 35(3):1, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-67] **Anonymous:1998:Nd** Anonymous. Newslog. *IEEE Spectrum*, 35(4):1, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-68] **Anonymous:1998:Ne** Anonymous. Newslog. *IEEE Spectrum*, 35(5):1, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-69] **Anonymous:1998:Nf** Anonymous. Newslog. *IEEE Spectrum*, 35(6):1, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-70] **Anonymous:1998:Ng** Anonymous. Newslog. *IEEE Spectrum*, 35(7):1, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-71] **Anonymous:1998:Nh** Anonymous. Newslog. *IEEE Spectrum*, 35(8):1, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-72] **Anonymous:1998:Ni** Anonymous. Newslog. *IEEE Spectrum*, 35(9):1, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-73] **Anonymous:1998:Nj** Anonymous. Newslog. *IEEE Spectrum*, 35(10):1, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-74] **Anonymous:1998:Nk** Anonymous. Newslog. *IEEE Spectrum*, 35(11):1, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano98-75] **Anonymous:1998:Nl** Anonymous. Newslog. *IEEE Spectrum*, 35(12):1, December 1998. CODEN IEESAM.

ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:PE

[Ano98-76] Anonymous. The practical engineer. *IEEE Spectrum*, 35(7):57, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:RBa

[Ano98-77] Anonymous. Recent books. *IEEE Spectrum*, 35(1):16T6–10T4, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:RBb

[Ano98-78] Anonymous. Recent books. *IEEE Spectrum*, 35(2):12–16T8, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:RBc

[Ano98-79] Anonymous. Recent books. *IEEE Spectrum*, 35(3):16–68T2, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:RBd

[Ano98-80] Anonymous. Recent books. *IEEE Spectrum*, 35(4):15–72T2, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:RBe

[Ano98-81] Anonymous. Recent books. *IEEE Spectrum*, 35(5):20T5–60T4, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:RBf

[Ano98-82] Anonymous. Recent books. *IEEE Spectrum*, 35(6):16–20T8, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:RBg

[Ano98-83] Anonymous. Recent books. *IEEE Spectrum*, 35(7):76T3–76T6, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:RBh

[Ano98-84] Anonymous. Recent books. *IEEE Spectrum*, 35(8):12T4–76T2, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:RBi

[Ano98-85] Anonymous. Recent books. *IEEE Spectrum*, 35(9):16T6–16T8, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:RBj

- [Ano98-86] Anonymous. Recent books. *IEEE Spectrum*, 35(10):16T6–80T2, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:RBk

- [Ano98-87] Anonymous. Recent books. *IEEE Spectrum*, 35(11):14–60T6, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:RBl

- [Ano98-88] Anonymous. Recent books. *IEEE Spectrum*, 35(12):12–16T4, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:SIR

- [Ano98-89] Anonymous. State of the Internet: Roundtable 4.0 [communications]. *IEEE Spectrum*, 35(10):69–79, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:TCa

- [Ano98-90] Anonymous. Table of contents. *IEEE Spectrum*, 35(1):2–4, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:TCb

- [Ano98-91] Anonymous. Table of contents. *IEEE Spectrum*, 35(2):2–4, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:TCc

- [Ano98-92] Anonymous. Table of contents. *IEEE Spectrum*, 35(3):2–4, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:TCd

- [Ano98-93] Anonymous. Table of contents. *IEEE Spectrum*, 35(4):2–4, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:TCe

- [Ano98-94] Anonymous. Table of contents. *IEEE Spectrum*, 35(5):2–4, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:TCf

- [Ano98-95] Anonymous. Table of contents. *IEEE Spectrum*, 35(6):2–4, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:TCg

[Ano98-96] Anonymous. Table of contents. *IEEE Spectrum*, 35(7):2–4, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:TCh

[Ano98-97] Anonymous. Table of contents. *IEEE Spectrum*, 35(8):2–4, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:TCi

[Ano98-98] Anonymous. Table of contents. *IEEE Spectrum*, 35(9):2–4, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:TCj

[Ano98-99] Anonymous. Table of contents. *IEEE Spectrum*, 35(10):2–4, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:TCK

[Ano98-100] Anonymous. Table of contents. *IEEE Spectrum*, 35(11):2–4, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:TCl

[Ano98-101] Anonymous. Table of contents. *IEEE Spectrum*, 35(12):2–4, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:PF

[Ano98-102] Anonymous. To probe further. *IEEE Spectrum*, 35(1):104–105, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1998:WAD

[Ano98-103] Anonymous. What's ahead for design on the web. *IEEE Spectrum*, 35(9):53–63, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:MTI

[Ano99a] Anonymous. The 100-million transistor IC. *IEEE Spectrum*, 36(7):22–24, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:IM

[Ano99b] Anonymous. The 1999 IEEE Medalists. *IEEE Spectrum*, 36(6):62–68, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:ISFa

- [Ano99c] Anonymous. *IEEE Spectrum* — [front cover]. *IEEE Spectrum*, 36(1):c1, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:ISFb

- [Ano99d] Anonymous. *IEEE Spectrum* — [front cover]. *IEEE Spectrum*, 36(2):c1, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:ISFc

- [Ano99e] Anonymous. *IEEE Spectrum* — [front cover]. *IEEE Spectrum*, 36(3):c1, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:ISFd

- [Ano99f] Anonymous. *IEEE Spectrum* — [front cover]. *IEEE Spectrum*, 36(4):c1, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:ISFe

- [Ano99g] Anonymous. *IEEE Spectrum* — [front cover]. *IEEE Spectrum*, 36(5):c1, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:ISFf

- [Ano99h] Anonymous. *IEEE Spectrum* — [front cover]. *IEEE Spectrum*, 36(6):c1, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:ISFg

- [Ano99i] Anonymous. *IEEE Spectrum* — [front cover]. *IEEE Spectrum*, 36(7):c1, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:ISFh

- [Ano99j] Anonymous. *IEEE Spectrum* — [front cover]. *IEEE Spectrum*, 36(8):c1, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:ISFi

- [Ano99k] Anonymous. *IEEE Spectrum* — [front cover]. *IEEE Spectrum*, 36(9):c1, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:ISFj

- [Ano99l] Anonymous. *IEEE Spectrum* — [front cover]. *IEEE Spectrum*, 36(10):c1, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Ano99m] **Anonymous:1999:ISFk** Anonymous. *IEEE Spectrum* — [front cover]. *IEEE Spectrum*, 36(11):c1, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99n] **Anonymous:1999:ISFl** Anonymous. *IEEE Spectrum* — [front cover]. *IEEE Spectrum*, 36(12):c1, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99o] **Anonymous:1999:Ca** Anonymous. Calendar. *IEEE Spectrum*, 36(1):14-112E2, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99p] **Anonymous:1999:Cb** Anonymous. Calendar. *IEEE Spectrum*, 36(2):14-64E7, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99q] **Anonymous:1999:Cc** Anonymous. Calendar. *IEEE Spectrum*, 36(3):13-64E7, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99r] **Anonymous:1999:Cd** Anonymous. Calendar. *IEEE Spectrum*, 36(4):19-78R9, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99s] **Anonymous:1999:Ce** Anonymous. Calendar. *IEEE Spectrum*, 36(5):18-66R15, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99t] **Anonymous:1999:Cf** Anonymous. Calendar. *IEEE Spectrum*, 36(6):23-82R13, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99u] **Anonymous:1999:Cg** Anonymous. Calendar. *IEEE Spectrum*, 36(7):16-88R16, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99v] **Anonymous:1999:Ch** Anonymous. Calendar. *IEEE Spectrum*, 36(8):16-72R4, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99w] **Anonymous:1999:Ci** Anonymous. Calendar. *IEEE Spectrum*, 36(9):20-26I8, September 1999. CODEN IEESAM. ISSN 0018-

- 9235 (print), 1939-9340 (electronic).
- [Ano99x] **Anonymous:1999:Cj**
 Anonymous. Calendar. *IEEE Spectrum*, 36(10):20–74R9, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99y] **Anonymous:1999:Ck**
 Anonymous. Calendar. *IEEE Spectrum*, 36(11):19–26, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99z] **Anonymous:1999:Cl**
 Anonymous. Calendar. *IEEE Spectrum*, 36(12):14–24I8, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-27] **Anonymous:1999:CSa**
 Anonymous. Coming in spectrum. *IEEE Spectrum*, 36(2):82, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-28] **Anonymous:1999:CSb**
 Anonymous. Coming in spectrum. *IEEE Spectrum*, 36(3):82, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-29] **Anonymous:1999:ETTa**
 Anonymous. EE’s tools and toys. *IEEE Spectrum*, 36(1):132–135, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-30] **Anonymous:1999:ETTe**
 Anonymous. EE’s tools toy. *IEEE Spectrum*, 36(5):74–77, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-31] **Anonymous:1999:ETTf**
 Anonymous. EE’s tools toy. *IEEE Spectrum*, 36(6):100–103, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-32] **Anonymous:1999:ETTg**
 Anonymous. EE’s tools toy. *IEEE Spectrum*, 36(7):82–87, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-33] **Anonymous:1999:ETTTh**
 Anonymous. EE’s tools toy. *IEEE Spectrum*, 36(8):70–72, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-34] **Anonymous:1999:ETTi**
 Anonymous. EE’s tools toy. *IEEE Spectrum*, 36(9):87–90, September 1999. CO-

- DEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-35] **Anonymous:1999:ETTj**
Anonymous. EEs' tools toy. *IEEE Spectrum*, 36(10):70-74, October 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-36] **Anonymous:1999:ETTk**
Anonymous. EEs' tools toy. *IEEE Spectrum*, 36(11):78-81, November 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-37] **Anonymous:1999:ETTI**
Anonymous. EEs' tools toy. *IEEE Spectrum*, 36(12):78-79, December 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-38] **Anonymous:1999:ETTb**
Anonymous. EEs' tools toys. *IEEE Spectrum*, 36(2):62-63, February 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-39] **Anonymous:1999:ETTc**
Anonymous. EEs' tools toys. *IEEE Spectrum*, 36(3):60-64, March 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-40] **Anonymous:1999:ETTd**
Anonymous. EEs' tools toys. *IEEE Spectrum*, 36(4):86-89, April 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-41] **Anonymous:1999:EW**
Anonymous. EV watch. *IEEE Spectrum*, 36(3):17-18, March 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-42] **Anonymous:1999:Fa**
Anonymous. Forum. *IEEE Spectrum*, 36(1):6-8, January 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-43] **Anonymous:1999:Fb**
Anonymous. Forum. *IEEE Spectrum*, 36(2):6-8, February 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-44] **Anonymous:1999:Fc**
Anonymous. Forum. *IEEE Spectrum*, 36(3):6-8, March 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ano99-45] **Anonymous:1999:Fd**
Anonymous. Forum. *IEEE Spectrum*, 36(4):6-12, April 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Fe

[Ano99-46] Anonymous. Forum. *IEEE Spectrum*, 36(5):6–8, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Ff

[Ano99-47] Anonymous. Forum. *IEEE Spectrum*, 36(6):6–12, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Fg

[Ano99-48] Anonymous. Forum. *IEEE Spectrum*, 36(7):6–8, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Fh

[Ano99-49] Anonymous. Forum. *IEEE Spectrum*, 36(8):6–13, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Fi

[Ano99-50] Anonymous. Forum. *IEEE Spectrum*, 36(9):6–14, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Fj

[Ano99-51] Anonymous. Forum. *IEEE Spectrum*, 36(10):6–12, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Fk

[Ano99-52] Anonymous. Forum. *IEEE Spectrum*, 36(11):6–14, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Fl

[Ano99-53] Anonymous. Forum. *IEEE Spectrum*, 36(12):6–8, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:ITF

[Ano99-54] Anonymous. The IEEE Technical Field Awards. *IEEE Spectrum*, 36(8):57–69, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:I

[Ano99-55] Anonymous. Innovations. *IEEE Spectrum*, 36(10):24–26, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Na

[Ano99-56] Anonymous. Newslog. *IEEE Spectrum*, 36(1):1, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Nb

[Ano99-57] Anonymous. Newslog. *IEEE Spectrum*, 36(2):1, February 1999. CODEN IEESAM.

ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Nc

[Ano99-58] Anonymous. Newslog. *IEEE Spectrum*, 36(3):1, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Nd

[Ano99-59] Anonymous. Newslog. *IEEE Spectrum*, 36(4):1, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Ne

[Ano99-60] Anonymous. Newslog. *IEEE Spectrum*, 36(5):1, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Nf

[Ano99-61] Anonymous. Newslog. *IEEE Spectrum*, 36(6):1, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Ng

[Ano99-62] Anonymous. Newslog. *IEEE Spectrum*, 36(7):1, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Nh

[Ano99-63] Anonymous. Newslog. *IEEE Spectrum*, 36(8):1, August 1999. CODEN IEESAM.

ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Ni

[Ano99-64] Anonymous. Newslog. *IEEE Spectrum*, 36(9):1, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Nj

[Ano99-65] Anonymous. Newslog. *IEEE Spectrum*, 36(10):1, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Nk

[Ano99-66] Anonymous. Newslog. *IEEE Spectrum*, 36(11):1, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:Nl

[Ano99-67] Anonymous. Newslog. *IEEE Spectrum*, 36(12):1, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:RBa

[Ano99-68] Anonymous. Recent books. *IEEE Spectrum*, 36(1):13-24T8, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:RBb

[Ano99-69] Anonymous. Recent books. *IEEE Spectrum*, 36(2):16T4-

16T7, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:RBc

[Ano99-70] Anonymous. Recent books. *IEEE Spectrum*, 36(3):64T4, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:RBd

[Ano99-71] Anonymous. Recent books. *IEEE Spectrum*, 36(4):26I6–26I8, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:RBe

[Ano99-72] Anonymous. Recent books. *IEEE Spectrum*, 36(5):66R5–66R6, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:RBf

[Ano99-73] Anonymous. Recent books. *IEEE Spectrum*, 36(6):26I8, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:RBg

[Ano99-74] Anonymous. Recent books. *IEEE Spectrum*, 36(7):16I8, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:RBh

[Ano99-75] Anonymous. Recent books. *IEEE Spectrum*, 36(8):72R8, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:RBi

[Ano99-76] Anonymous. Recent books. *IEEE Spectrum*, 36(9):17–90R15, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:RBj

[Ano99-77] Anonymous. Recent books. *IEEE Spectrum*, 36(10):26I8, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:RBk

[Ano99-78] Anonymous. Recent books. *IEEE Spectrum*, 36(11):26I6–26I8, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:RBl

[Ano99-79] Anonymous. Recent books. *IEEE Spectrum*, 36(12):24I4–24I6, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:SRa

[Ano99-80] Anonymous. Software reviews. *IEEE Spectrum*, 36 (4):73–78, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:SRb

[Ano99-81] Anonymous. Software reviews. *IEEE Spectrum*, 36 (10):88, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:TCa

[Ano99-82] Anonymous. Table of contents. *IEEE Spectrum*, 36 (1):2–4, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:TCb

[Ano99-83] Anonymous. Table of contents. *IEEE Spectrum*, 36 (2):2–4, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:TCc

[Ano99-84] Anonymous. Table of contents. *IEEE Spectrum*, 36 (3):2–4, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:TCd

[Ano99-85] Anonymous. Table of contents. *IEEE Spectrum*, 36 (4):2–4, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:TCe

[Ano99-86] Anonymous. Table of contents. *IEEE Spectrum*, 36 (5):2–4, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:TCf

[Ano99-87] Anonymous. Table of contents. *IEEE Spectrum*, 36 (6):2–4, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:TCg

[Ano99-88] Anonymous. Table of contents. *IEEE Spectrum*, 36 (7):2–4, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:TC h

[Ano99-89] Anonymous. Table of contents. *IEEE Spectrum*, 36 (8):2–4, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:TCi

- [Ano99-90] Anonymous. Table of contents. *IEEE Spectrum*, 36(9):2-4, September 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:TCj

- [Ano99-91] Anonymous. Table of contents. *IEEE Spectrum*, 36(10):2-4, October 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:TCk

- [Ano99-92] Anonymous. Table of contents. *IEEE Spectrum*, 36(11):2-4, November 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:TCI

- [Ano99-93] Anonymous. Table of contents. *IEEE Spectrum*, 36(12):2-4, December 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:TS

- [Ano99-94] Anonymous. Technically speaking. *IEEE Spectrum*, 36(12):25, December 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:PF

- [Ano99-95] Anonymous. To probe further. *IEEE Spectrum*, 36(1):108-109, January 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:WSa

- [Ano99-96] Anonymous. Web sights. *IEEE Spectrum*, 36(4):28, April 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:WSb

- [Ano99-97] Anonymous. Web sights. *IEEE Spectrum*, 36(6):99, June 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:WSc

- [Ano99-98] Anonymous. Web sights. *IEEE Spectrum*, 36(7):93, July 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:WSd

- [Ano99-99] Anonymous. Web sights. *IEEE Spectrum*, 36(9):101, September 1999. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:WSe

- [Ano99-100] Anonymous. Web sights. *IEEE Spectrum*, 36(10):91, October 1999. CODEN

IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anonymous:1999:WSf

- [Ano99-101] Anonymous. Web sights. *IEEE Spectrum*, 36(12):82–84, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ast94]

Apfelbaum:1997:SBT

- [Apf97] L. Apfelbaum. Spec-based tests make sure telecom software works. *IEEE Spectrum*, 34(11):77–83, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ast95]

Ang:1991:VCM

- [ARA91] P. H. Ang, P. A. Ruetz, and D. Auld. Video compression makes big gains. *IEEE Spectrum*, 28(10):16–19, October 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ath98]

Aspray:1990:BBS

- [Asp90] William Aspray. Back to basics: The stored program concept. *IEEE Spectrum*, 27(9):51, September 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Atw91]

Aspray:1997:II

- [Asp97] William Aspray. Inventing the Internet. *IEEE Spectrum*, 34

(2):12, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Asthana:1994:LRO

P. Asthana. A long road to overnight success [optical disc storage]. *IEEE Spectrum*, 31(10):60–66, October 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Asthana:1995:JTC

P. Asthana. Jumping the technology S-curve. *IEEE Spectrum*, 32(6):49–54, June 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Atherton:1998:MJF

R. W. Atherton. Moving Java to the factory. *IEEE Spectrum*, 35(12):18–23, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Atwood:1991:COO

T. M. Atwood. The case for object-oriented databases. *IEEE Spectrum*, 28(2):44–47, February 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Anagnostopoulos:1998:FGS

C. N. Anagnostopoulos and L. A. Williams. Few gold stars for precollege education. *IEEE*

- Spectrum*, 35(4):18–26, April 1998. CODEN IEEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bai96] W. Bail. Out of humor [book review]. *IEEE Spectrum*, 33(8):11–14, August 1996. CODEN IEEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bal91] A. Balk. East Asia’s power crescent. *IEEE Spectrum*, 28(6):26–29, June 1991. CODEN IEEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bal95] B. J. Baliga. Power ICs in the saddle. *IEEE Spectrum*, 32(7):34–40, July 1995. CODEN IEEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [BAL96] Trudy E. Bell, J. A. Adam, and S. J. Lowe. Communications. *IEEE Spectrum*, 33(1):30–41, January 1996. CODEN IEEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bal97] U. Balachandran. Super power(special report). *IEEE Spectrum*, 34(7):18–19, July 1997. CODEN IEEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bar90] R. D. Barnett. The frequency that wouldn’t die hydroelectric generators. *IEEE Spectrum*, 27(11):120–121, November 1990. CODEN IEEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bar92] D. Barclay. Diversity in the high-tech workplace: commitment from the top makes it work. *IEEE Spectrum*, 29(6):24–27, June 1992. CODEN IEEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bar98] E. Barbour. The cool sound of tubes [vacuum tube musical applications]. *IEEE Spectrum*, 35(8):24–35, August 1998. CODEN IEEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bat92] E. Batten. Diversity in the high-tech workplace: forums for diversity. *IEEE Spectrum*, 29(6):27–29, June 1992. CODEN IEEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bat95] B. Bates. Getting a Ford HEV on the road. *IEEE Spectrum*,

- 32(7):22–25, July 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [BC98]
- [BBH97] **Bhatt:1997:DTM**
B. Bhatt, D. Birks, and D. Hermreck. Digital television: making it work. *IEEE Spectrum*, 34(10):19–28, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [BC99]
- [BC93] **Borrus:1993:BLE**
M. G. Borrus and S. S. Cohen. Beyond lean: an essay (mass production). *IEEE Spectrum*, 30(9):67–68, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [BCD⁺95]
- [BC97a] **Baldwin:1997:LS**
R. W. Baldwin and C. V. Chang. Locking the e-safe. *IEEE Spectrum*, 34(2):40–46, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [BCW97]
- [BC97b] **Braham:1997:SVW**
R. Braham and Richard Comerford. Sharing virtual worlds. *IEEE Spectrum*, 34(3):18–19, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [BDF99]
- Badami:1998:HAG**
V. V. Badami and N. W. Chbat. Home appliances get smart. *IEEE Spectrum*, 35(8):36–43, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Bretz:1999:TWC**
E. A. Bretz and L. Ceppert. Technical women on corporate boards. *IEEE Spectrum*, 36(2):50–56, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Basile:1995:UHS**
C. Basile, A. P. Cavallerano, M. S. Deiss, R. Keeler, J. S. Lim, W. C. Luplow, W. H. Paik, E. Petajan, R. Rast, G. Reitmeier, T. R. Smith, and C. Todd. The US HDTV standard. *IEEE Spectrum*, 32(4):36–45, April 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Bishop:1997:TNI**
M. Bishop, S. Cheung, and C. Wee. The threat from the net [Internet security]. *IEEE Spectrum*, 34(8):56–63, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Bell:1999:TNM**
Trudy E. Bell, D. Dooling, and J. Fouke. Threshold of the

- new millennium [book excerpt from *Engineering Tomorrow: Today's Technology Experts Envision the Next Century* (IEEE Press, Piscataway, NJ, 2000) written by Trudy E. Bell and Dave Dooling, and edited by Janie Fouke]. *IEEE Spectrum*, 36(10):59–64, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Bel90a]
- [BDG96] Andrew Bruce, David Donoho, and Hong-Ye Gao. Wavelet analysis [for signal processing]. *IEEE Spectrum*, 33(10):26–35, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Bel90c]
- [BE91] Trudy E. Bell and K. Esch. The United States in space. *IEEE Spectrum*, 28(8):18–20, August 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Bel90d]
- [Bea97] J. Beard. Nuclear waste disposal in New Mexico and Nevada. *IEEE Spectrum*, 34(11):33–40, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Bel90e]
- [Bell:1990:ESB] Trudy E. Bell. '90s employment: some bad news, but some good. *IEEE Spectrum*, 27(12):32–43, December 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bell:1990:AT] Trudy E. Bell. Applications '90: telecommunications. *IEEE Spectrum*, 27(2):31–33, February 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bell:1990:MCL] Trudy E. Bell. From monopoly to competition: long-term research is vulnerable. *IEEE Spectrum*, 27(10):46–50, October 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bell:1990:JKC] Trudy E. Bell. Just keeping current entails ingenuity, resourcefulness, and improvisation (R&D). *IEEE Spectrum*, 27(10):69–73, October 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bell:1990:LAL] Trudy E. Bell. Light that acts like 'natural bits' (solitons). *IEEE Spectrum*, 27

(8):56–57, August 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Bell:1990:TCD

[Bel90f] Trudy E. Bell. Technical challenges to a decentralized phone system. *IEEE Spectrum*, 27(9):32–37, September 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Bell:1990:TME

[Bel90g] Trudy E. Bell. Technology '90: the main event (Voyager 2 project). *IEEE Spectrum*, 27(1):28–29, January 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Bell:1991:ISC

[Bel91a] Trudy E. Bell. Incredible shrinking computers. *IEEE Spectrum*, 28(5):37–41, May 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Bell:1991:TT

[Bel91b] Trudy E. Bell. Technology 1991: telecommunications. *IEEE Spectrum*, 28(1):44–47, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Bell:1991:TME

[Bel91c] Trudy E. Bell. Technology 1991: the media event Hub-

ble Space Telescope. *IEEE Spectrum*, 28(1):31, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Bell:1991:WBB

[Bel91d] Trudy E. Bell. When bust is best (destructive testing). *IEEE Spectrum*, 28(3):56–59, March 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Bell:1992:SBT

[Bel92a] Trudy E. Bell. Supercomputers — beyond today's supercomputers. *IEEE Spectrum*, 29(9):72–75, September 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Bell:1992:TT

[Bel92b] Trudy E. Bell. Technology 1992 — telecommunications. *IEEE Spectrum*, 29(1):36–38, January 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Bell:1993:BPB

[Bel93a] Trudy E. Bell. Bicycles on a personalized basis FMS. *IEEE Spectrum*, 30(9):32–35, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Bel93b] **Bell:1993:JR** Trudy E. Bell. Jobs at risk. *IEEE Spectrum*, 30(8): 18–31, August 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel94a] **Bell:1994:AYC** Trudy E. Bell. Alfred Yi Cho [biography]. *IEEE Spectrum*, 31(10):70–73, October 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel93c] **Bell:1993:TNT** Trudy E. Bell. Technology 1993 — new technology directions. *IEEE Spectrum*, 30(1):81, January 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel94b] **Bell:1994:AFI** Trudy E. Bell. Analysis and forecast issue: technology 1994. *IEEE Spectrum*, 31(1):20–21, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel93d] **Bell:1993:TT** Trudy E. Bell. Technology 1993 — telecommunications. *IEEE Spectrum*, 30(1): 38–41, January 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel94c] **Bell:1994:ELF** Trudy E. Bell. Engineering layoffs: facts and myths. *IEEE Spectrum*, 31(11):16–25, November 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel93e] **Bell:1993:TSM** Trudy E. Bell. Technology 1993 — the specialties (multimedia, magnetic storage, education). *IEEE Spectrum*, 30(1):80, January 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel94d] **Bell:1994:T** Trudy E. Bell. Telecommunications. *IEEE Spectrum*, 31(1):22–25, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel93f] **Bellefeuille:1993:TQM** J. Bellefeuille. Total quality management. *IEEE Spectrum*, 30(9):47–50, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel95a] **Bell:1995:EST** Trudy E. Bell. Electronics and the stars [telescope control]. *IEEE Spectrum*, 32(8): 16–24, August 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Bel95b] **Bell:1995:HTK** Trudy E. Bell. The HDTV ‘test kitchens’. *IEEE Spectrum*, 32(4):46–49, April 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel95c] **Bell:1995:RS** Trudy E. Bell. Remote sensing. *IEEE Spectrum*, 32(3):24–31, March 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel95d] **Bell:1995:USTa** Trudy E. Bell. US science and technology museums — I. *IEEE Spectrum*, 32(9):50–71, September 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel95e] **Bell:1995:USTb** Trudy E. Bell. US science and technology museums — II. *IEEE Spectrum*, 32(10):48–71, October 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel96a] **Bell:1996:BIA** Trudy E. Bell. The Beckman Institute for Advanced Science and Technology. *IEEE Spectrum*, 33(11):54–60, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel96b] **Bell:1996:CLD** Trudy E. Bell. *The Challenger Launch Decision: Risky Technology, Culture, and Deviance at NASA* [book review]. *IEEE Spectrum*, 33(6):10–84T6, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel96c] **Bell:1996:ERS** Trudy E. Bell. Employment roundtable: Survival calls for more than technical fitness [careers]. *IEEE Spectrum*, 33(3):20–31, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel96d] **Bell:1996:ISTa** Trudy E. Bell. International science and technology museums. I. *IEEE Spectrum*, 33(4):39–49, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel96e] **Bell:1996:ISTb** Trudy E. Bell. International science and technology museums. II. *IEEE Spectrum*, 33(6):74–83, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bel98] **Bell:1998:LSB** Trudy E. Bell. Lessons from the shuttle [books]. *IEEE*

Spectrum, 35(6):14–16, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Bell:1999:DDD

[Bel99]

A. E. Bell. The dynamic digital disk. *IEEE Spectrum*, 36(10):28–35, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

[Bet99]

IEEE Spectrum, 36(9):76–81, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Betts:1999:ETA

K. S. Betts. The environment [1999 technology analysis and forecast]. *IEEE Spectrum*, 36(1):104–107, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Bendz:1993:IAM

[Ben93]

D. J. Bendz. International actions (manufacturing practices). *IEEE Spectrum*, 30(9):63–66, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

[BH92]

Bodson:1992:WLG

D. Bodson and E. Harris. When the lines go down (telecommunications). *IEEE Spectrum*, 29(3):40–44, March 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Benedetto:1998:ECI

[Ben98]

J. M. Benedetto. Economy-class ion-defying ICs in orbit. *IEEE Spectrum*, 35(3):36–41, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

[BH95]

Byrd:1995:MPA

G. T. Byrd and M. A. Holiday. Multithreaded processor architectures. *IEEE Spectrum*, 32(8):38–46, August 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Berkeley:1997:NTF

[Ber97]

A. R. Berkeley. Nasdaq's technology floor: its president takes stock. *IEEE Spectrum*, 34(2):66–67, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

[BH96]

Barkovich:1996:CNC

B. R. Barkovich and D. V. Hawk. Charting a new course in California [electricity market restructuring]. *IEEE Spectrum*, 33(7):26–31, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Berrie:1999:DDP

[Ber99]

J. Berrie. The defensive design of printed-circuit boards.

- [Bha94] **Bhattacharya:1994:HWR** T. K. Bhattacharya. Home-made watts for rural India. *IEEE Spectrum*, 31(10):44–46, October 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bil96] **Bilmes:1996:UFN** J. Bilmes. User-friendly neural-net design [software reviews]. *IEEE Spectrum*, 33(2):63, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bis95] **Bisat:1995:BE** M. T. Bisat. A broad education. *IEEE Spectrum*, 32(12):6, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [BK93] **Boothroyd:1993:DA** G. Boothroyd and W. Knight. Design for assembly. *IEEE Spectrum*, 30(9):53–55, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [BK99] **Benner:1999:PGG** J. P. Benner and L. Kazmerski. Photovoltaics gaining greater visibility. *IEEE Spectrum*, 36(9):34–42, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bla96] **Blackett:1996:GGC** R. K. Blackett. As good as gold [circuit design]. *IEEE Spectrum*, 33(6):68–71, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bla97] **Blaugher:1997:LCH** R. D. Blaugher. Low-calorie, high-energy generators and motors. *IEEE Spectrum*, 34(7):36–42, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bli96] **Blineau:1996:VDR** J. Blineau. Viewpoint: The digital revolution is complete. *IEEE Spectrum*, 33(1):49, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [BLK98] **Baltes:1998:ENL** H. Baltes, D. Lange, and A. Koll. The electronic nose in Lilliput. *IEEE Spectrum*, 35(9):35–38, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [BM94] **Biddle:1994:RR** M. B. Biddle and R. Mann. Recipe for recycling. *IEEE Spectrum*, 31(8):22–24, August 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Boe96] **Boehmer:1996:VTU**
L. S. Boehmer. Viewpoint: Transportation unbounded. *IEEE Spectrum*, 33(1):84–85, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Boo99] **Booth:1999:DTU**
S. A. Booth. Digital TV in the United States. *IEEE Spectrum*, 36(3):39–41, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bor94] **Borsook:1994:DC**
P. Borsook. Data communications. *IEEE Spectrum*, 31(1):26–29, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Box95] **Boxer:1995:WBC**
A. Boxer. Where buses cannot go. *IEEE Spectrum*, 32(2):41–45, February 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [BP92] **Bowles:1992:DSB**
J. B. Bowles and C. E. Pelaez. Data security — bad code. *IEEE Spectrum*, 29(8):36–40, August 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [BP98] **Bechtold:1998:BNP**
K. Bechtold and M. Pokojnski. Berlin’s new powerhouse [combined cycle power plant]. *IEEE Spectrum*, 35(3):52–57, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [BPM94] **Bryzek:1994:MM**
J. Bryzek, K. Peterson, and W. McCulley. Micromachines on the march. *IEEE Spectrum*, 31(5):20–31, May 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [BR97] **Bell:1997:CTA**
Trudy E. Bell and M. J. Riezenman. Communications [technology analysis and forecast]. *IEEE Spectrum*, 34(1):27–37, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bra95a] **Braham:1995:AS**
R. Braham. Application software. *IEEE Spectrum*, 32(1):66–70, January 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bra95b] **Braham:1995:DBC**
R. Braham. The digital backlog [cinema special effects]. *IEEE Spectrum*, 32(7):51–63, July 1995. CODEN IEESAM.

- ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bra95c] R. Braham. Math and visualization: new tools, new frontiers. *IEEE Spectrum*, 32(11):19–28, November 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bra96a] R. Braham. The Air Force R&D balancing act. *IEEE Spectrum*, 33(3):45–51, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bra96b] R. Braham. Beyond the third dimension [books]. *IEEE Spectrum*, 33(11):18, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bra96c] R. Braham. Consumer electronics. *IEEE Spectrum*, 33(1):46–50, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bra98] R. Braham. Faults failures. *IEEE Spectrum*, 35(8):83–84, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bra99] R. Braham. Aerospace and military [technology 1999 analysis and forecast]. *IEEE Spectrum*, 36(1):73–78, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bre99] E. A. Bretz. Transportation [1999 technology analysis and forecast]. *IEEE Spectrum*, 36(1):98–103, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bri90] J. E. Brittain. Thevenin's theorem. *IEEE Spectrum*, 27(3):42, March 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bro95] G. Brody. Technology for all. *IEEE Spectrum*, 32(12):8–??, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bro98] F. C. Brockhurst. Software reviews. *IEEE Spectrum*, 35(2):16, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Bro99] **Brown:1999:PRB**
L. Brown. Pioneers of radar [book review]. *IEEE Spectrum*, 36(11):17–18, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bru94] **Brunet:1994:HLL**
C. J. Brunet. Hybridizing the local loop. *IEEE Spectrum*, 31(6):28–32, June 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bry96] **Bryzek:1996:NES**
J. Bryzek. *Nano: The Emerging Science of Nanotechnology: Remaking the world — Molecule by Molecule* [book review]. *IEEE Spectrum*, 33(6):8–11, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [BS99] **Bretz:1999:ACC**
E. A. Bretz and W. Sweet. Addressing the coal conundrum. *IEEE Spectrum*, 36(12):40–41, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [BT93] **Brust:1993:MSV**
L. Brust and M.-S. Tsay. Mixing signals and voltages on chip. *IEEE Spectrum*, 30(8):40–43, August 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Buc95] **Buc:1995:BE**
S. M. Buc. A broad education. *IEEE Spectrum*, 32(12):6, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Bur93] **Burwen:1993:KOP**
R. S. Burwen. Kilowatts on order (power amplifiers). *IEEE Spectrum*, 30(2):32–37, February 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [But96] **Butler:1996:RNT**
L. J. Butler. Resistance to new technology: Nuclear power, information technology, and biotechnology [book review]. *IEEE Spectrum*, 33(6):8, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [But97] **Butrica:1997:CVP**
A. J. Butrica. In conjunction with Venus [planetary radar astronomy]. *IEEE Spectrum*, 34(12):31–38, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Byr97] **Byrne:1997:EJP**
K. Byrne. Evaluating jukebox performance. *IEEE Spectrum*, 34(7):70–73, July 1997. CODEN IEESAM. ISSN 0018-

9235 (print), 1939-9340 (electronic).

Caird:1997:ISA

[Cai97] K. Caird. Integrating substation automation. *IEEE Spectrum*, 34(8):64–69, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Campanella:1990:CSO

[Cam90] S. J. Campanella. Communications satellites: orbiting into the 90s. *IEEE Spectrum*, 27(8):49–52, August 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Camenzind:1997:ROT

[Cam97] H. R. Camenzind. Redesigning the old 555 [timer circuit]. *IEEE Spectrum*, 34(9):80–85, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Carroll:1993:VPH

[Car93] M. Carroll. VHDL — panacea or hype? *IEEE Spectrum*, 30(6):34–37, June 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Cates:1990:GAF

[Cat90] R. Cates. Gallium arsenide finds a new niche. *IEEE Spectrum*, 27(4):25–28, April 1990. CODEN IEESAM. ISSN

0018-9235 (print), 1939-9340 (electronic).

Catlett:1992:SBR

[Cat92] C. E. Catlett. Supercomputing — balancing resources. *IEEE Spectrum*, 29(9):48–55, September 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Chaum:1997:MEC

[CB97] D. Chaum and S. Brands. ‘Minting’ electronic cash. *IEEE Spectrum*, 34(2):30–34, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Crawford:1999:SFF

[CB99] R. H. Crawford and J. J. Beaman. Solid freeform fabrication. *IEEE Spectrum*, 36(2):34–43, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Carreira:1999:FIS

[CCS99] J. V. Carreira, D. Costa, and J. G. Silva. Fault injection spot-checks computer system dependability. *IEEE Spectrum*, 36(8):50–55, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Collins:1999:DEG

[CDEJ99] J. C. Collins, J. Dunn, P. Emer, and M. Johnson.

- Data express gigabit junction with the next-generation Internet. *IEEE Spectrum*, 36(2): 18–25, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Cha97b]
- Cendes:1990:ESC**
- [Cen90] Z. J. Cendes. EM simulators = CAE tools. *IEEE Spectrum*, 27(11):73–77, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Cha99]
- Cerchione:1992:ESD**
- [Cer92] R. G. Cerchione. Engineering software — data acquisition made simpler. *IEEE Spectrum*, 29(11):66–71, November 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Che90a]
- Comerford:1996:T**
- [CG96] Richard Comerford and L. Gelpert. Technology 1996. *IEEE Spectrum*, 33(1):27–29, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Che90b]
- Chang:1997:STA**
- [Cha97a] L. L. Chang. Static timing analysis of high-speed boards. *IEEE Spectrum*, 34(3):67–74, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Che90c]
- Chao:1997:TAC**
- R. L. Chao. Trimming analog circuits with solid-state devices. *IEEE Spectrum*, 34(10): 63–67, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Chappell:1999:FAI**
- B. Chappell. The fine art of IC design. *IEEE Spectrum*, 36(7):30–34, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Chen:1990:ASO**
- K. T. Chen. Applications '90: Soviet optoelectronics. *IEEE Spectrum*, 27(2):44–45, February 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Chen:1990:ASE**
- K. T. Chen. Applications '90: the specialities (electrical engineering advances). *IEEE Spectrum*, 27(2):46–47, February 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Chen:1990:CSP**
- K. T. Chen. Contrasting strategies are pursued by big three economic powerhouses. *IEEE Spectrum*, 27(10):76–78, October 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Che90d] **Chen:1990:HUR** K. T. Chen. Harnessing university research for competitiveness, industry support. *IEEE Spectrum*, 27(10):73–76, October 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Che90e] **Chen:1990:RSP** K. T. Chen. Reversing sagging precollege skills in mathematics and science. *IEEE Spectrum*, 27(12):44–48, December 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Che90f] **Chen:1990:SME** K. T. Chen. The single-market engineer. *IEEE Spectrum*, 27(6):47–49, June 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Che91] **Chen:1991:TT** K. T. Chen. Technology 1991: transportation. *IEEE Spectrum*, 28(1):69–71, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Che99] **Chen:1999:PJD** E. Chen. Poison Java [data security]. *IEEE Spectrum*, 36(8):38–43, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Chr90] **Chrysler:1990:CMT** M. Chrysler. Canon: more than just concern. *IEEE Spectrum*, 27(11):113–116, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Cic95] **Ciciora:1995:IST** W. S. Ciciora. Inside the set-top box. *IEEE Spectrum*, 32(4):70–75, April 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [CK92] **Cybenko:1992:SRE** G. Cybenko and D. J. Kuck. Supercomputers — revolution or evolution? *IEEE Spectrum*, 29(9):39–41, September 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [CK96] **Clarke:1996:CAV** E. M. Clarke and R. P. Kurshan. Computer-aided verification. *IEEE Spectrum*, 33(6):61–67, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [CK99] **Carpenter:1999:DID** B. E. Carpenter and D. D. Kandlur. Diversifying Internet delivery. *IEEE Spectrum*, 36(11):57–61, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [CKR94] **Chidambaram:1994:NTP**
R. Chidambaram, A. Kakodkar, and P. Rodriguez. Nuclear technology: power to the people. *IEEE Spectrum*, 31(3):36–39, March 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Cla92] **Clark:1992:FPL**
T. R. Clark. Fitting programmable logic. *IEEE Spectrum*, 29(3):36–39, March 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Cla98] **Clark:1998:TIT**
A. Clark. Too intelligent, or too artificial, or both? [book reviews]. *IEEE Spectrum*, 35(10):12–14, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [CMR96] **Caporossi:1996:RCR**
D. Caporossi, F. E. Marschner, and S. Read. Rule checking at the register level. *IEEE Spectrum*, 33(6):72–73, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [CMS97] **Comerford:1997:VCH**
Richard Comerford, J. Makhoul, and R. Schwartz. The voice of the computer is heard in the land (and it listens too!) [speech recognition]. *IEEE Spectrum*, 34(12):39–47, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Col92] **Cole:1992:DLM**
B. Cole. DOE labs: models for tech transfer. *IEEE Spectrum*, 29(12):53–57, December 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Col93] **Cole:1993:MTF**
B. Cole. Multimedia—the technology framework. *IEEE Spectrum*, 30(3):32–39, March 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Col94] **Colmenares:1994:FPW**
N. J. Colmenares. The FCC on personal wireless. *IEEE Spectrum*, 31(5):39–46, May 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com92a] **Comerford:1992:EWA**
Richard Comerford. Engineering workstations — add-ons add versatility. *IEEE Spectrum*, 29(4):46–51, April 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com92b] **Comerford:1992:HDD**
Richard Comerford. How DEC developed Alpha. *IEEE Spectrum*, 29(7):26–31, July

1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1992:SSB

[Com92c]

Richard Comerford. Supercomputers — software on the brink. *IEEE Spectrum*, 29(9):34–38, September 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1992:TS

[Com92d]

Richard Comerford. Technology 1992 — software. *IEEE Spectrum*, 29(1):30–32, January 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1993:EP

[Com93a]

Richard Comerford. Engineers and PCs. *IEEE Spectrum*, 30(5):40–42, May 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1993:HTR

[Com93b]

Richard Comerford. La haute technologie (research initiatives). *IEEE Spectrum*, 30(3):55–60, March 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1993:PNC

[Com93c]

Richard Comerford. Platforms: the new contenders — operating systems go head-to-head. *IEEE Spectrum*, 30(12):

23–25, December 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1993:QLR

[Com93d]

Richard Comerford. A quick look at rapid prototyping. *IEEE Spectrum*, 30(9):28–29, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1993:TPW

[Com93e]

Richard Comerford. Technology 1993 — PCs and workstations. *IEEE Spectrum*, 30(1):26–29, January 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1993:TS

[Com93f]

Richard Comerford. Technology 1993 — software. *IEEE Spectrum*, 30(1):30–33, January 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1993:XEC

[Com93g]

Richard Comerford. X, as in expediency (computer terminals). *IEEE Spectrum*, 30(5):60–61, May 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1994:EWP

[Com94a]

Richard Comerford. Engineering workstations and

- PCs. *IEEE Spectrum*, 31(4):45, April 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com94b] **Comerford:1994:MWM** [Com95c] Richard Comerford. Mecha... what? [mechatronics]. *IEEE Spectrum*, 31(8):46-49, August 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com94c] **Comerford:1994:MD** [Com96a] Richard Comerford. The multimedia drive. *IEEE Spectrum*, 31(4):77-83, April 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com94d] **Comerford:1994:PW** [Com96b] Richard Comerford. PCs and workstations. *IEEE Spectrum*, 31(1):35-37, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com95a] **Comerford:1995:CFA** [Com96c] Richard Comerford. Coping with a flexible architecture. *IEEE Spectrum*, 32(4):27-32, April 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com95b] **Comerford:1995:CTC** [Com96d] Richard Comerford. Cornell Theory Center. *IEEE Spectrum*, 32(12):64-??, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Comerford:1995:SE** Richard Comerford. Software engineering. *IEEE Spectrum*, 32(1):62-65, January 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Comerford:1996:WSc** R. Comerford. Web sights. *IEEE Spectrum*, 33(7):93-94, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Comerford:1996:CTD** Richard Comerford. Computers [trends/developments]. *IEEE Spectrum*, 33(1):42-45, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Comerford:1996:IMI** Richard Comerford. Interactive media: an Internet reality. *IEEE Spectrum*, 33(4):29-32, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Comerford:1996:OGP** Richard Comerford. It's only growing pains ... The second annual roundtable on the state of the Internet. *IEEE Spectrum*, 33(9):46-55, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- ber 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Com96j]
- [Com96e] **Comerford:1996:WSa**
Richard Comerford. Web sights. *IEEE Spectrum*, 33 (1):116, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com96f] **Comerford:1996:WSb**
Richard Comerford. Web sights. *IEEE Spectrum*, 33 (3):65, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com96g] **Comerford:1996:WSd**
Richard Comerford. Web sights. *IEEE Spectrum*, 33 (8):75, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com96h] **Comerford:1996:WSe**
Richard Comerford. Web sights. *IEEE Spectrum*, 33 (10):65, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com96i] **Comerford:1996:WSf**
Richard Comerford. Web sights. *IEEE Spectrum*, 33 (11):77–78, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Comerford:1996:WSg**
Richard Comerford. Web sights. *IEEE Spectrum*, 33 (12):24, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com96k] **Comerford:1996:WWG**
Richard Comerford. Workstation wars get personal. *IEEE Spectrum*, 33(6):43–47, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com97a] **Comerford:1997:BDN**
Richard Comerford. The battle for the desktop [network computers]. *IEEE Spectrum*, 34(5):20–28, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com97b] **Comerford:1997:SET**
Richard Comerford. Software engineering [technology analysis and forecast]. *IEEE Spectrum*, 34(1):65–69, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Com97c] **Comerford:1997:SIR**
Richard Comerford. State of the Internet: roundtable 3.0. *IEEE Spectrum*, 34(10):29–38, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1997:WSa

[Com97d] Richard Comerford. Web sights. *IEEE Spectrum*, 34 (1):105, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1997:WSb

[Com97e] Richard Comerford. Web sights. *IEEE Spectrum*, 34 (3):80, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1997:WSc

[Com97f] Richard Comerford. Web sights. *IEEE Spectrum*, 34 (4):65, April 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1997:WSD

[Com97g] Richard Comerford. Web sights. *IEEE Spectrum*, 34 (5):85, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1997:WSe

[Com97h] Richard Comerford. Web sights. *IEEE Spectrum*, 34 (6):84, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1997:WSg

[Com97i] Richard Comerford. Web sights. *IEEE Spectrum*, 34(9):107, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1997:WSh

[Com97j] Richard Comerford. Web sights. *IEEE Spectrum*, 34 (12):89, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1997:WSf

[Com97k] Richard Comerford. Web sites. *IEEE Spectrum*, 34 (7):79, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1998:CTA

[Com98a] Richard Comerford. Computers [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):43–47, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1998:PCI

[Com98b] Richard Comerford. Pocket computers ignite OS battle. *IEEE Spectrum*, 35(5):43–48, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1998:WSa

[Com98c] Richard Comerford. Web sights. *IEEE Spectrum*, 35 (1):125, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1998:WSb

[Com98d] Richard Comerford. Web sights. *IEEE Spectrum*, 35 (3):69, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1998:WSc

[Com98e] Richard Comerford. Web sights. *IEEE Spectrum*, 35 (4):83, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1998:WSD

[Com98f] Richard Comerford. Web sights. *IEEE Spectrum*, 35 (5):71, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1998:WSe

[Com98g] Richard Comerford. Web sights. *IEEE Spectrum*, 35 (7):76, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1998:WSf

[Com98h] Richard Comerford. Web sights. *IEEE Spectrum*, 35 (8):76, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1998:WSg

[Com98i] Richard Comerford. Web sights. *IEEE Spectrum*, 35 (9):80, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1998:W

[Com98j] Richard Comerford. Web sights. *IEEE Spectrum*, 35 (12):64, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1999:POS

[Com99a] Richard Comerford. The path to open-source systems. *IEEE Spectrum*, 36(5):25–31, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1999:SET

[Com99b] Richard Comerford. Software engineering [technology 1999 analysis and forecast]. *IEEE Spectrum*, 36(1):84–87, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1999:SIR

[Com99c] Richard Comerford. State of the Internet: Roundtable 5.0. *IEEE Spectrum*, 36(10):42–50, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1999:WSa

[Com99d] Richard Comerford. Web sights. *IEEE Spectrum*, 36(1):131, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1999:WSb

[Com99e] Richard Comerford. Web sights. *IEEE Spectrum*, 36(5):66, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1999:WSc

[Com99f] Richard Comerford. Web sights. *IEEE Spectrum*, 36(8):89, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1999:W

[Com99g] Richard Comerford. Web sights. *IEEE Spectrum*, 36(2):77, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Comerford:1999:YTD

[Com99h] Richard Comerford. Y2K testing: does success matter? *IEEE Spectrum*, 36(7):71–73, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Coopersmith:1993:FFS

[Coo93] J. Coopersmith. Facsimile's false starts. *IEEE Spectrum*, 30(2):46–49, February 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Cox:1992:FF

[Cox92] E. Cox. Fuzzy fundamentals. *IEEE Spectrum*, 29(10):58–61, October 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Cox:1993:AFS

[Cox93] E. Cox. Adaptive fuzzy systems. *IEEE Spectrum*, 30(2):27–31, February 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Chandramouli:1996:TSC

[CP96] R. Chandramouli and S. Pateras. Testing systems on a chip. *IEEE Spectrum*, 33(11):42–47, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [CP98] **Comerford:1998:BYM**
Richard Comerford and T. Perry. Brooding on the Year 2000 [Millennium bug]. *IEEE Spectrum*, 35(6):68–73, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Cur93]
- [Cre95] **Cressler:1995:RES**
J. D. Cressler. Re-engineering silicon: Si-Ge heterojunction bipolar technology. *IEEE Spectrum*, 32(3):49–55, March 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [CW94]
- [Cro91] **Cross:1991:JNP**
M. Cross. Japan’s nuclear power tightrope. *IEEE Spectrum*, 28(4):77–80, April 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [CWG98]
- [Cru99] **Cruz:1999:CNS**
R. L. Cruz. Communications networks simulated [software reviews]. *IEEE Spectrum*, 36(8):86, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [CZ90]
- [CS93] **Cagan:1993:SPP**
L. D. Cagan and A. H. Sherman. Software/parallel processing — Linda on the networks. *IEEE Spectrum*, 30(12):31–35, December 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Dai92]
- Curran:1993:ETT**
L. J. Curran. ‘A’ for effort (technology transfer education). *IEEE Spectrum*, 30(2):50–52, February 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Collier:1994:SCS**
W. C. Collier and R. J. Weiland. Smart cars, smart highways. *IEEE Spectrum*, 31(4):27–33, April 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Chalamala:1998:FFT**
B. R. Chalamala, Yi Wei, and B. E. Gnade. FED up with fat tubes. *IEEE Spectrum*, 35(4):42–51, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Chen:1990:MC**
K. T. Chen and Glenn Zorpette. Microelectronics and computers. *IEEE Spectrum*, 27(6):32–33, June 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Dai:1992:ESM**
Wayne Wei-Ming Dai. Engineering software — multi-chip routing and placement.

IEEE Spectrum, 29(11):61–62, November 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dallas:1990:DPX

- [Dal90] W. J. Dallas. A digital prescription for X-ray overload. *IEEE Spectrum*, 27(4):33–36, April 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Davis:1994:APR

- [Dav94] T. Davis. Adopting a policy of reuse. *IEEE Spectrum*, 31(6):44–48, June 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Davidson:1997:TLO

- [Dav97] S. Davidson. Testing LANs optically to the Gigabit Ethernet standard. *IEEE Spectrum*, 34(9):86–90, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Day:1996:MMP

- [Day96] D. A. Day. Misguided missile policy [book review]. *IEEE Spectrum*, 33(4):11, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Day:1997:MS

- [Day97] D. A. Day. Manna from space? *IEEE Spectrum*,

34(4):13, April 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Drummond:1996:PRM

- [DdMMNM96] M. Drummond, J. d. M. M. Neto, and M. P. Meirelles. Power R&D: more watts, but less to pay. *IEEE Spectrum*, 33(7):60–62, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Deyhimy:1995:GAJ

- [Dey95] I. Deyhimy. Gallium arsenide joins the giants. *IEEE Spectrum*, 32(2):33–40, February 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

DiTomaso:1992:DHT

- [DF92] N. DiTomaso and G. F. Farris. Diversity in the high-tech workplace: diversity and performance in R&D. *IEEE Spectrum*, 29(6):21–24, June 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

DiTomaso:1994:DDW

- [DFC94] N. DiTomaso, G. F. Farris, and R. Cordero. Degrees and diversity at work. *IEEE Spectrum*, 31(4):38–42, April 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [DH93] **Dipert:1993:FMG**
 B. Dipert and L. Hebert. Flash memory goes mainstream. *IEEE Spectrum*, 30(10):48–52, October 1993. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [DM96] **Dagnelie:1996:TAE**
 G. Dagnelie and R. W. Massof. Toward an artificial eye. *IEEE Spectrum*, 33(5):20–29, May 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Dil94] **Dillon:1994:SBL**
 P. S. Dillon. Salvageability becoming law. *IEEE Spectrum*, 31(8):18–21, August 1994. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [DMA96] **daRocha:1996:SOR**
 A. E. da Rocha, C. K. Moorooka, and L. Alegre. Smart oil recovery. *IEEE Spectrum*, 33(7):48–51, July 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Div96] **Divan:1996:LSS**
 D. Divan. Low stress switching for efficiency. *IEEE Spectrum*, 33(12):33–39, December 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [DMP96] **DAjuz:1996:SSL**
 A. D’Ajuz, M. L. B. Martinez, and F. A. F. Pazo Blanco. Supplying small loads at reasonable cost. *IEEE Spectrum*, 33(6):34–35, June 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Dix95] **Dixit:1995:LVD**
 S. Dixit. A look at the video dial-tone network. *IEEE Spectrum*, 32(4):64–65, April 1995. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Doe96] **Doering:1996:SV**
 E. R. Doering. Statistics visualized. *IEEE Spectrum*, 33(6):18, June 1996. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [DL93] **DeWinkel:1993:SPC**
 C. DeWinkel and J. D. Lamoree. Storing power for critical loads. *IEEE Spectrum*, 30(6):38–42, June 1993. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Doe97] **Doering:1997:GLD**
 E. R. Doering. Good-looking data analysis charts. *IEEE Spectrum*, 34(4):14, April 1997. CODEN IIESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dominach:1994:DRD

- [Dom94] R. F. Dominach. Design reviews at a distance. *IEEE Spectrum*, 31(6):39–40, June 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dooling:1993:TAM

- [Doo93a] D. Dooling. Technology 1993 — aerospace and military. *IEEE Spectrum*, 30(1):72–75, January 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dooling:1993:TT

- [Doo93b] D. Dooling. Technology 1993 — transportation. *IEEE Spectrum*, 30(1):68–71, January 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dooling:1994:AM

- [Doo94a] D. Dooling. Aerospace and military. *IEEE Spectrum*, 31(1):66–69, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dooling:1994:LQC

- [Doo94b] D. Dooling. L+25: a quarter century after the Apollo landing. *IEEE Spectrum*, 31(7):16–29, July 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dooling:1994:NCS

- [Doo94c] D. Dooling. Navigating close to shore. *IEEE Spectrum*, 31(12):24–31, December 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dooling:1994:T

- [Doo94d] D. Dooling. Transportation. *IEEE Spectrum*, 31(1):62–65, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dooling:1995:AM

- [Doo95a] D. Dooling. Aerospace and military. *IEEE Spectrum*, 32(1):76–79, January 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dooling:1995:ROB

- [Doo95b] D. Dooling. Research outpost beyond the sky [International Space Station]. *IEEE Spectrum*, 32(10):28–33, October 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dooling:1995:SWS

- [Doo95c] D. Dooling. Stormy weather in space. *IEEE Spectrum*, 32(6):64–72, June 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dooling:1995:T

- [Doo95d] D. Dooling. Transportation. *IEEE Spectrum*, 32(1): 71–75, January 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Doo96e]

Dooling:1996:T

D. Dooling. Transportation. *IEEE Spectrum*, 33(1): 82–86, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dooling:1996:AM

- [Doo96a] D. Dooling. Aerospace and military. *IEEE Spectrum*, 33(1):87–91, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Doo97a]

Dooling:1997:AMT

D. Dooling. Aerospace and military [technology development]. *IEEE Spectrum*, 34(1):89–93, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dooling:1996:CEB

- [Doo96b] D. Dooling. The continuous electron beam accelerator facility. *IEEE Spectrum*, 33(12): 55–57, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Doo97b]

Dooling:1997:SS

D. Dooling. Space sentries. *IEEE Spectrum*, 34(9): 50–59, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dooling:1996:LCM

- [Doo96c] D. Dooling. Launcher without a country [marine satellite launch platform]. *IEEE Spectrum*, 33(10):18–25, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Doo97c]

Dooling:1997:T

D. Dooling. Transportation. *IEEE Spectrum*, 34(1): 84–88, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dooling:1996:SSS

- [Doo96d] D. Dooling. Smoother sailing [ship design and control]. *IEEE Spectrum*, 33(8): 52–59, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Doo98]

Dooling:1998:AMT

D. Dooling. Aerospace and military [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):90–94, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Doz92] **Dozier:1992:SSS**
H. Dozier. Supercomputers — superchips for supercomputing. *IEEE Spectrum*, 29(9):66–68, September 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [DP91] D. Delisle and L. Pelamougues. A guide to data communications: B-ISDN and how it works. *IEEE Spectrum*, 28(8):39–42, August 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Delisle:1991:GDC**
- [DR91] R. Damiano and D. S. Reeves. Logic synthesis for ASICs. *IEEE Spectrum*, 28(11):26–33, November 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Damiano:1991:LSA**
- [DR95] F. J. Denniston and P. K. Runge. The glass necklace [FLAG submarine fibre-optic link]. *IEEE Spectrum*, 32(10):24–27, October 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Denniston:1995:GNF**
- [DR96] A. Dutta-Roy. Telecommunications [brazil]. *IEEE Spectrum*, 33(6):36–42, June 1996. **Dutta-Roy:1996:TB**
- [DR97] A. Dutta-Roy. Too much of a good thing? *IEEE Spectrum*, 34(6):8–14, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Dutta-Roy:1997:TMG**
- [DR98] A. Dutta-Roy. Virtual meetings with desktop conferencing. *IEEE Spectrum*, 35(7):47–56, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Dutta-Roy:1998:VMD**
- [DR99a] A. Dutta-Roy. Bring home the Internet. *IEEE Spectrum*, 36(3):32–38, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Dutta-Roy:1999:BHI**
- [DR99b] A. Dutta-Roy. Cable: it's not just for TV. *IEEE Spectrum*, 36(5):53–59, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Dutta-Roy:1999:CJT**
- [DR99c] A. Dutta-Roy. Fixed wireless routes for Internet access. *IEEE Spectrum*, 36(9):61–69, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Dutta-Roy:1999:FWR**

9235 (print), 1939-9340 (electronic).

Dutta-Roy:1999:NH

[DR99d] A. Dutta-Roy. Networks for homes. *IEEE Spectrum*, 36(12):26–33, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dutta-Roy:1999:SWW

[DR99e] A. Dutta-Roy. A second wind for wiring [ADSL]. *IEEE Spectrum*, 36(9):52–60, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dutta-Roya:1999:CTF

[DR99f] A. Dutta-Roya. Computers [1999 technology forecast and analysis]. *IEEE Spectrum*, 36(1):46–51, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dutta-Roy:1997:SR

[DRE97] A. Dutta-Roy and D. Ellis. Software reviews. *IEEE Spectrum*, 34(12):66–67, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dutta-Roy:1996:GLI

[DRS96] A. Dutta-Roy and N. M. Segoshi. Going on line with the Internet. *IEEE Spectrum*, 33(7):54–59, July 1996. CODEN IEESAM. ISSN 0018-

9235 (print), 1939-9340 (electronic).

DeFanti:1993:RV

[DSCN93] T. A. DeFanti, D. J. Sandin, and C. Cruz-Neira. A ‘room’ with a ‘view’. *IEEE Spectrum*, 30(10):30–33, October 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dos-Santos-Dionisio:1996:MPC

[DSD96] F. Dos-Santos-Dionisio. Making privatization constitutional. *IEEE Spectrum*, 33(6):38–39, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Dye:1992:DSS

[DT92] T. A. Dye and E. Teose. Digital storage scopes advance. *IEEE Spectrum*, 29(2):38–41, February 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Doherty:1998:PPS

[DU98] C. Doherty and T. Uslander. Plug and play software hones car and plane manufacture. *IEEE Spectrum*, 35(10):39–42, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Duane:1995:BE

[Dua95] M. Duane. A broad education. *IEEE Spectrum*, 32

(12):6, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Duarte:1996:MSG

- [Dua96] C. H. C. Duarte. Moving software to a global platform. *IEEE Spectrum*, 33(7):40–43, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [EJ93]

Eyre:1999:DCC

- [EB99] J. Eyre and J. Bier. DSPs court the consumer. *IEEE Spectrum*, 36(3):47–53, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Eld93]

Eden:1997:DIP

- [Ede97] M. Eden. Digital image processing [book review]. *IEEE Spectrum*, 34(3):10–11, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ell96]

Eden:1999:BRS

- [Ede99] M. Eden. Book review: *The story of electrical and magnetic measurements: from 500 B.C. to the 1940's*. *IEEE Spectrum*, 36(8):14–15, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ell99a]

Edwards:1997:BPM

- [Edw97] P. N. Edwards. From baggage to the PC, minus the hype. *IEEE Spectrum*, 34(2):

10–12, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Ehmann:1993:MPM

K. F. Ehmann and P. C. Jones. Master's programs and more (manufacturing education). *IEEE Spectrum*, 30(9):76–81, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Eldridge:1993:FF

J. Eldridge. Filing in a flash. *IEEE Spectrum*, 30(10):53–54, October 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Elliott:1996:OCQ

D. S. Elliott. Optical coherence and quantum optics [book review]. *IEEE Spectrum*, 33(9):12–13, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Elliott:1999:NAN

S. J. Elliott. Down with noise [active noise control]. *IEEE Spectrum*, 36(6):54–61, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Ellis:1999:ADC

D. Ellis. Adaptable 3-D clip-art adorns documents [soft-

- ware reviews]. *IEEE Spectrum*, 36(8):84, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ell99c] **Ellis:1999:WVP**
D. Ellis. The well-versed programmer. *IEEE Spectrum*, 36(2):12–13, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Eng96] **Engler:1996:FF**
C. E. Engler. Faults failures. *IEEE Spectrum*, 33(8):60, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Eng97a] **Engler:1997:BRH**
C. Engler. Book review: *How to Set Up and Maintain a World Wide Web Site*. *IEEE Spectrum*, 34(3):11, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Eng97b] **Engler:1997:WS**
C. E. Engler. Web sights. *IEEE Spectrum*, 34(8):81–82, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Eng97c] **Engler:1997:WR**
C. E. Engler. Webware reviews. *IEEE Spectrum*, 34(1):104T2–104T7, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Eng98] **Engler:1998:FF**
C. E. Engler. Faults failures. *IEEE Spectrum*, 35(4):72, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [ER90] **Eurich:1990:EG**
J. P. Eurich and G. Roth. EDIF grows up. *IEEE Spectrum*, 27(11):68–72, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Esc90] **Esch:1990:AD**
K. Esch. Aerospace and defense. *IEEE Spectrum*, 27(6):30–32, June 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Eub98] **Eubanks:1998:SRS**
B. Eubanks. Software reviews suite of tools helps beget x86 applications. *IEEE Spectrum*, 35(10):17, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Eve98] **Even:1998:FVA**
S. Even. Four value-adding algorithms. *IEEE Spectrum*, 35(5):33–38, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [EW97] **Ellis:1997:SR**
D. Ellis and C. F. Weggel. Software reviews. *IEEE Spectrum*, 34(8):91–93, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fay99] **Fayyazuddin:1999:BRG**
A. Fayyazuddin. Book review: *Gravity, particles, and the Planck length*. *IEEE Spectrum*, 36(6):14–16, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fal96] **Falcao:1996:PCC**
D. M. Falcao. Powerful on-campus computing for industry. *IEEE Spectrum*, 33(6):32, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fan97] **Fancher:1997:YPS**
C. H. Fancher. In your pocket: smartcards. *IEEE Spectrum*, 34(2):47–53, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [FASN96] **Fisher:1996:PDB**
G. D. Fisher, W. L. Abbott, J. L. Sonntag, and R. Nesin. PRML detection boosts hard-disk drive capacity. *IEEE Spectrum*, 33(11):70–76, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Faw94] **Fawcett:1994:TSF**
B. K. Fawcett. Tools to speed FPGA development. *IEEE Spectrum*, 31(11):88–94, November 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fef99] **Feffer:1999:IIL**
L. B. Feffer. Insisting on the impossible: the life of Edwin Land. *IEEE Spectrum*, 36(5):14–16, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fel97] **Felix:1997:SNE**
F. Felix. State of the nuclear economy. *IEEE Spectrum*, 34(11):29–32, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fer91] **Ferguson:1991:SMC**
W. E. Ferguson. Selecting math coprocessors. *IEEE Spectrum*, 28(7):38–41, July 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fer98] **Ferrone:1998:ETA**
R. Ferrone. The environment [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):95–99, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Fie97] **Fielder:1997:BRN**
John Fielder. Book review: *Naked to the Bone: Medical Imaging in the Twentieth Century*, Kevles, Bettyann Holtzman, Rutgers University Press, New Brunswick, NJ, 378 pp., \$35.95. *IEEE Spectrum*, 34(12):14–15, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fis92] **Fisher:1992:IPR**
P. D. Fisher. Improving on police radar. *IEEE Spectrum*, 29(7):38–43, July 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fis93] **Fischetti:1993:CPS**
M. Fischetti. The cellular phone scare. *IEEE Spectrum*, 30(6):43–47, June 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fil96] **Filho:1996:USB**
A. V. Filho. Utilities for sale [brazil]. *IEEE Spectrum*, 33(6):29–33, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fin90] **Finn:1990:CBW**
B. Finn. A continent bound by wire (telegraph system). *IEEE Spectrum*, 27(8):58–59, August 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fin95] **Fineman:1995:TA**
J. J. Fineman. Technology for all. *IEEE Spectrum*, 32(12):8–??, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fin97] **Finvers:1997:DMG**
I. Finvers. Diagramming minus the gruntwork. *IEEE Spectrum*, 34(6):65, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fit90a] **Fitzgerald:1990:AI**
K. Fitzgerald. Applications '90: instrumentation. *IEEE Spectrum*, 27(2):37–38, February 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fit90b] **Fitzgerald:1990:CRG**
K. Fitzgerald. Contract research gains adherents for its flexibility and low overhead. *IEEE Spectrum*, 27(10):58–60, October 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fit90c] **Fitzgerald:1990:EFJ**
K. Fitzgerald. Electromagnetic fields: the jury's still out. 2. Societal reverberations. *IEEE Spectrum*, 27

(8):27–32, August 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Fitzgerald:1990:ERT

[Fit90d] K. Fitzgerald. Encouraging risk-taking, sanctioning failures are helping spur creativity. *IEEE Spectrum*, 27(10):67–69, October 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Fitzgerald:1990:GS

[Fit90e] K. Fitzgerald. Global standards. *IEEE Spectrum*, 27(6):44–46, June 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Fitzgerald:1990:SR

[Fit90f] K. Fitzgerald. Shoreham in repose. *IEEE Spectrum*, 27(5):46–48, May 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Fitzgerald:1990:TME

[Fit90g] K. Fitzgerald. Technology '90: medical electronics. *IEEE Spectrum*, 27(1):52–54, January 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Fitzgerald:1990:WBA

[Fit90h] K. Fitzgerald. Whistleblowing: not always a losing

game (engineers). *IEEE Spectrum*, 27(12):49–52, December 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Fitzgerald:1991:EMOb

[Fit91a] K. Fitzgerald. Energy management — origin of a culture. *IEEE Spectrum*, 28(3):45–47, March 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Fitzgerald:1991:EMOa

[Fit91b] K. Fitzgerald. Energy management — overhauling weapons production. *IEEE Spectrum*, 28(3):39–44, March 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Fitzgerald:1991:TME

[Fit91c] K. Fitzgerald. Technology 1991: medical electronics. *IEEE Spectrum*, 28(1):76–78, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Fitzgerald:1991:TTM

[Fit91d] K. Fitzgerald. Technology 1991: test and measurement. *IEEE Spectrum*, 28(1):56–58, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [FK91] **Flores:1991:OLS**
G. E. Flores and B. Kirkpatrick. Optical lithography stalls X-rays. *IEEE Spectrum*, 28(10):24–27, October 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Flint:1994:TMM] [Fli94] A. Flint. Testing multichip modules. *IEEE Spectrum*, 31(3):59–62, March 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Flory:1990:GBB] [Flo90] D. Flory. The great blue box phone frauds. *IEEE Spectrum*, 27(11):117–119, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Farmwald:1992:MFP] [FM92] M. P. Farmwald and D. Mooring. Memory — a fast path to one memory. *IEEE Spectrum*, 29(10):50–51, October 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Focel:1999:TVT] [Foc99] D. B. Focel. A true visionary’s truly fantastic vision. *IEEE Spectrum*, 36(7):9–13, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Forden:1997:AL] [For97] G. E. Forden. The airborne laser. *IEEE Spectrum*, 34(9):40–49, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Foster:1991:PM] [Fos91] Kenneth R. Foster. Prepackaged math. *IEEE Spectrum*, 28(11):44–50, November 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Foster:1992:ESM] [Fos92] Kenneth R. Foster. Engineering software — math and graphics. *IEEE Spectrum*, 29(11):72, November 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Foster:1993:ESA] [Fos93] Kenneth R. Foster. Engineering software — ‘abstract’ math made practical. *IEEE Spectrum*, 30(11):42–46, November 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Foster:1995:PE] [Fos95] Kenneth R. Foster. Polished electromagnetics. *IEEE Spectrum*, 32(12):58–59, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Fos96a] **Foster:1996:HSE**
Kenneth R. Foster. Handbook of software for engineers and scientists [book review]. *IEEE Spectrum*, 33(9):10–12, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fos96b] **Foster:1996:MMU**
Kenneth R. Foster. Major math updates [software reviews]. *IEEE Spectrum*, 33(8):64–66, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fos96c] **Foster:1996:STL**
Kenneth R. Foster. Solver tackles large sets of equations [software reviews]. *IEEE Spectrum*, 33(12):22, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fos96d] **Foster:1996:VI**
Kenneth R. Foster. Virtual instruments. *IEEE Spectrum*, 33(4):18, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fos97a] **Foster:1997:HPT**
Kenneth R. Foster. HiQ, and pretty, too. *IEEE Spectrum*, 34(6):65–66, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fos97b] **Foster:1997:IVS**
Kenneth R. Foster. Improved visualization [software reviews]. *IEEE Spectrum*, 34(2):14–15, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fos97c] **Foster:1997:MMM**
Kenneth R. Foster. Matrices and much, much more [software reviews]. *IEEE Spectrum*, 34(2):14, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fos97d] **Foster:1997:NML**
Kenneth R. Foster. New math for labview. *IEEE Spectrum*, 34(6):66, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fos97e] **Foster:1997:SR**
Kenneth R. Foster. Software reviews. *IEEE Spectrum*, 34(10):68–69, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Fos97f] **Foster:1997:TIB**
Kenneth R. Foster. Trying to have it both ways [review of *Beginnings Count: The Technological Imperative in American Health Care* (Rothman, D.)]. *IEEE Spectrum*, 34(12):

12–14, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Foster:1998:EHF

[Fos98a]

K. Foster. Engineering's human face. *IEEE Spectrum*, 35(10):14–15, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Foster:1998:SR

[Fos98b]

Kenneth R. Foster. Software reviews. *IEEE Spectrum*, 35(12):92, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Foster:1998:STT

[Fos98c]

Kenneth R. Foster. Software tools [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):52–56, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Foster:1998:SWS

[Fos98d]

Kenneth R. Foster. Software wedge for serial data [software reviews]. *IEEE Spectrum*, 35(6):91–92, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Foster:1999:GLW

[Fos99a]

Kenneth R. Foster. The golem at large: what you should know about technology [book

reviews]. *IEEE Spectrum*, 36(4):16–18, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Foster:1999:MI

[Fos99b]

Kenneth R. Foster. Math on the Internet. *IEEE Spectrum*, 36(4):36–40, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Foster:1999:SR

[Fos99c]

Kenneth R. Foster. Software reviews. *IEEE Spectrum*, 36(12):85–88, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Fowler:1993:DYE

[Fow93]

C. A. Fowler. DOs and DON'Ts for young EEs. *IEEE Spectrum*, 30(10):59–61, October 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Fowler:1994:DAG

[Fow94]

C. A. Fowler. Defense acquisition: grab the ax. *IEEE Spectrum*, 31(10):55–59, October 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Fox:1993:HLS

[Fox93]

J. R. Fox. A higher level of synthesis (CAD). *IEEE Spectrum*, 30(3):43–47, March 1993. CODEN IEESAM.

- ISSN 0018-9235 (print), 1939-9340 (electronic).
- Fox:1995:DDE**
- [Fox95] B. Fox. The digital dawn in Europe [HDTV]. *IEEE Spectrum*, 32(4):50–53, April 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Fox:1998:DTC**
- [Fox98] B. Fox. Digital TV comes down to Earth. *IEEE Spectrum*, 35(10):23–29, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Fox:1999:SRI**
- [Fox99] P. Fox. Software reviews — IDL data visualization broadly upgraded. *IEEE Spectrum*, 36(6):93–94, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Forbes:1993:SFC**
- [FP93] C. A. Forbes and J. F. Pierre. The solid fuel-cell future. *IEEE Spectrum*, 30(10):40–44, October 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Foss:1992:MFI**
- [FPR⁺92] R. C. Foss, B. Prince, R. Rodgers, D. B. Gustavson, D. V. James, G. Stone, and S. Kempainen. Memory — fast interfaces for DRAMs. *IEEE Spectrum*, 29(10):54–57, October 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Frankel:1995:IRM**
- [Fra95a] D. Frankel. ISDN reaches the market. *IEEE Spectrum*, 32(6):20–25, June 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Fray:1995:CSF**
- [Fra95b] R. Fray. Compact simulators for fossil-fueled power plants. *IEEE Spectrum*, 32(2):46–51, February 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Frankel:1996:EEI**
- [Fra96] C. Frankel. The environment [electronics industry aspects]. *IEEE Spectrum*, 33(1):76–81, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Frenkil:1998:PEM**
- [Fre98] J. Frenkil. The practical engineer [a multi-level approach to low-power IC design]. *IEEE Spectrum*, 35(2):54–60, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Fri96] **Friedman:1996:RKG** M. B. Friedman. RAID keeps going and going and ... [magnetic disk storage]. *IEEE Spectrum*, 33(4):73–79, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Gab94b]
- [FT93] **Furtney:1993:WS** M. Furtney and G. Taylor. Of workstations and supercomputers. *IEEE Spectrum*, 30(5):64–68, May 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Gad98]
- [Fuj96] **Fujita:1996:DCC** M. Fujita. Debugging a communications chip. *IEEE Spectrum*, 33(6):64, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Gal94]
- [Fuq96] **Fuqua:1996:VGA** D. Fuqua. Viewpoint: Getting ahead of the pack — and staying ahead. *IEEE Spectrum*, 33(1):90, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Gal96]
- [Gab94a] **Gabel:1994:AS** D. A. Gabel. Application software. *IEEE Spectrum*, 31(1):42–45, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Gabel:1994:SE]
- Gabel:1994:SE** D. A. Gabel. Software engineering. *IEEE Spectrum*, 31(1):38–41, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Gaddy:1998:YTB** C. D. Gaddy. To yourself be true (book review). *IEEE Spectrum*, 35(1):8–11, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Gallagher:1994:VLR** R. S. Gallagher. Visualization: the look of reality. *IEEE Spectrum*, 31(11):48–55, November 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Galletti:1996:VLD** P. M. Galletti. Viewpoint: Let's do tissue engineering right. *IEEE Spectrum*, 33(1):94, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Giboney:1998:ILS** K. S. Giboney, L. B. Aronson, and B. E. Lemoff. The ideal light source for datanets. *IEEE Spectrum*, 35(2):43–53, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [GB91] **Gerla:1991:GDC**
M. Gerla and J. A. Bannister. A guide to data communications: high-speed local-area networks. *IEEE Spectrum*, 28(8):26–31, August 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [GC94] **Gracon:1994:LSC**
H. Gracon and M. Clark. Layoffs should come last. *IEEE Spectrum*, 31(5):52–55, May 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [GE95] **Gershon:1995:VNT**
N. Gershon and S. G. Eick. Visualization's new tack: making sense of information. *IEEE Spectrum*, 32(11):38–40, November 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gel96] **Gellings:1996:ECP**
C. W. Gellings. Electrotechnology cleans up [pollution control measures]. *IEEE Spectrum*, 33(2):46–50, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gem97] **Gemmell:1997:TC**
P. S. Gemmell. Traceable e-cash. *IEEE Spectrum*, 34(2):35–37, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep93] **Geppert:1993:PNC**
L. Geppert. Platforms: the new contenders — not your father's CPU. *IEEE Spectrum*, 30(12):20–23, December 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep94a] **Geppert:1994:IRN**
L. Geppert. Industrial R&D: the new priorities. *IEEE Spectrum*, 31(9):30–36, September 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep94b] **Geppert:1994:SS**
L. Geppert. Solid state. *IEEE Spectrum*, 31(1):50–53, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep95a] **Geppert:1995:CC**
L. Geppert. Chipmaking in China. *IEEE Spectrum*, 32(12):36–??, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep95b] **Geppert:1995:ERE**
L. Geppert. Educating the renaissance engineer. *IEEE Spectrum*, 32(9):39–43, September 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Gep95c] **Geppert:1995:SST**
L. Geppert. Solid state [1995 technological forecast]. *IEEE Spectrum*, 32(1):35–39, January 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep95d] **Geppert:1995:USN**
L. Geppert. The uphill struggle: no rose garden for women in engineering. *IEEE Spectrum*, 32(5):40–50, May 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep96a] **Geppert:1996:EWE**
L. Geppert. Entrepreneurial women engineers. *IEEE Spectrum*, 33(8):28–37, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep96b] **Geppert:1996:FDG**
L. Geppert. Fresh dates are giving computers indigestion [faults and failures]. *IEEE Spectrum*, 33(5):75, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep96c] **Geppert:1996:SLN**
L. Geppert. Semiconductor lithography for the next millennium. *IEEE Spectrum*, 33(4):33–38, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep96d] **Geppert:1996:SST**
L. Geppert. Solid state [trends/developments]. *IEEE Spectrum*, 33(1):51–55, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep97a] **Geppert:1997:FFa**
L. Geppert. Faults failures. *IEEE Spectrum*, 34(2):85, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep97b] **Geppert:1997:FFb**
L. Geppert. Faults failures. *IEEE Spectrum*, 34(5):17, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep97c] **Geppert:1997:Ia**
L. Geppert. Innovations. *IEEE Spectrum*, 34(6):76, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep97d] **Geppert:1997:Ib**
L. Geppert. Innovations. *IEEE Spectrum*, 34(8):16, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep97e] **Geppert:1997:Ic**
L. Geppert. Innovations. *IEEE Spectrum*, 34(12):65, December 1997. CODEN

- IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep97f] L. Geppert. Solid state [development forecast]. *IEEE Spectrum*, 34(1):55-59, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep97g] L. Geppert. Trials & triumphs: Women engineers in Europe. *IEEE Spectrum*, 34(8):44-55, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep98a] L. Geppert. Europe's silicon star rises. *IEEE Spectrum*, 35(10):34-38, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep98b] L. Geppert. High-flying DSP architectures. *IEEE Spectrum*, 35(11):53-56, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep98c] L. Geppert. IC design on the World Wide Web. *IEEE Spectrum*, 35(6):45-50, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep98d] L. Geppert. Innovations. *IEEE Spectrum*, 35(3):24, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep98e] L. Geppert. Innovations. *IEEE Spectrum*, 35(5):72, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep98f] L. Geppert. Innovations. *IEEE Spectrum*, 35(9):18, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep98g] L. Geppert. Solid state [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):23-28, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep99a] L. Geppert. Careers perspectives of six women engineers. *IEEE Spectrum*, 36(12):69-77, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Geppert:1997:SSD**
- Geppert:1997:TTW**
- Geppert:1998:ESS**
- Geppert:1998:HFD**
- Geppert:1998:IDW**
- Geppert:1998:Ia**
- Geppert:1998:Ib**
- Geppert:1998:Ic**
- Geppert:1998:SST**
- Geppert:1999:CPS**

- [Gep99b] **Geppert:1999:CSB**
L. Geppert. Champagne supercomputer on a beer budget. *IEEE Spectrum*, 36(5):19–22, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gep99c] **Geppert:1999:DTA**
L. Geppert. Design tools for analog and digital ICs. *IEEE Spectrum*, 36(4):41–48, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Get93]
- [Gep99d] **Geppert:1999:FFa**
L. Geppert. Faults failures. *IEEE Spectrum*, 36(3):76–77, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [GF98]
- [Gep99e] **Geppert:1999:FFb**
L. Geppert. Faults failures. *IEEE Spectrum*, 36(6):92, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [GGJ⁺92]
- [Gep99f] **Geppert:1999:I**
L. Geppert. Innovations. *IEEE Spectrum*, 36(8):79, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Gil91]
- [Gep99g] **Geppert:1999:SSS**
L. Geppert. Solid state [semiconductors. 1999 technology analysis and forecast]. *IEEE Spectrum*, 36(1):52–56, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Getting:1993:PNG**
I. A. Getting. Perspective/navigation — the Global Positioning System. *IEEE Spectrum*, 30(12):36–38, December 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Ginsberg:1998:WCI**
R. B. Ginsberg and Kenneth R. Foster. The wired classroom [Internet-based education]. *IEEE Spectrum*, 35(8):44–51, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Gjessing:1992:MRL**
S. Gjessing, D. B. Gustavson, D. V. James, G. Stone, and H. Wiggers. Memory — a RAM link for high speed. *IEEE Spectrum*, 29(10):52–53, October 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Gilmour:1991:HST**
P. S. Gilmour. How to select tools for microcontroller software. *IEEE Spectrum*, 28(2):37–39, February 1991. CODEN IEESAM. ISSN 0018-

- 9235 (print), 1939-9340 (electronic).
- [Gil98] T. Gilchrist. Fuel cells to the fore [electric vehicles]. *IEEE Spectrum*, 35(11):35–40, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [GLS94] P. L. Gourley, K. L. Lear, and R. P. Schneider. A different mirror. *IEEE Spectrum*, 31(8):31–33, August 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [GM93] N. D. Gershon and C. G. Miller. Environment — dealing with the data deluge. *IEEE Spectrum*, 30(7):28–32, July 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [GMKJ92] M. W. Gilliland, P. MacCorquodale, J. P. Kash, and A. Jameton. Conversion and the defense engineer. *IEEE Spectrum*, 29(12):26–28, December 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [GOI98] S. Gal-Oz and M. V. Isaacs. Automate the big bottleneck in embedded system design. *IEEE Spectrum*, 35(8):62–67, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gom96] L. E. C. Gomes. Telecom R&D focuses on immediate needs. *IEEE Spectrum*, 33(7):63–65, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [GON93] R. L. Gunshor, N. Otsuka, and A. V. Nurmiko. Blue lasers on the horizon. *IEEE Spectrum*, 30(5):28–33, May 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Goy94] R. Goyal. Managing signal integrity [PCB design]. *IEEE Spectrum*, 31(3):54–58, March 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [GR97] N. Grudin and I. Roytelman. Heading off emergencies in large electric grids. *IEEE Spectrum*, 34(4):42–47, April 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Gra98] **Gray:1998:VF**
S. Gray. In virtual fashion. *IEEE Spectrum*, 35(2):18–25, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gro98] **Grothenhuis:1998:CER**
K. Grothenhuis. Crossing the euro rubicon [information systems]. *IEEE Spectrum*, 35(10):30–33, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gra99] **Gray:1999:PEF**
K. Gray. The practical engineer — fine-tuning memory macros using variable internal delays. *IEEE Spectrum*, 36(8):44–49, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [GS97] **Geppert:1997:HIC**
L. Geppert and W. Sweet. <http://>: it has changed everything, especially our engineering thinking. *IEEE Spectrum*, 34(1):23–26, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gre94] **Green:1994:CUR**
M. Green. Complying with union rules. *IEEE Spectrum*, 31(4):34–37, April 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [GS98] **Geppert:1998:BWL**
L. Geppert and W. Sweet. Breakthroughs will leave their mark on many key technologies. *IEEE Spectrum*, 35(1):19–22, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gro92] **Grossman:1992:SMR**
M. Grossman. Supercomputers — modeling reality. *IEEE Spectrum*, 29(9):56–60, September 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [GS99] **Geppert:1999:TAF**
L. Geppert and W. Sweet. Technology 1999 — analysis forecast. *IEEE Spectrum*, 36(1):25–28, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gro93] **Grossman:1993:TTM**
M. Grossman. Technology 1993 — test and measurement. *IEEE Spectrum*, 30(1):50–57, January 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gum99] **Gumas:1999:DWC**
C. C. Gumas. The DSP workshop: a compelling case [software reviews]. *IEEE*

- Spectrum*, 36(8):80–81, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Gup94] M. S. Gupta. In academe's grungy groves [engineering education]. *IEEE Spectrum*, 31(3):16, March 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Gupta:1994:AGG** [GW98]
- [Gut90a] F. Guterl. Siemens: making marketing as important as technology. *IEEE Spectrum*, 27(12):57–60, December 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Guterl:1990:SMM** [Hac93]
- [Gut90b] F. Guterl. Tradeoffs: turf vs. togetherness (ESPRIT). *IEEE Spectrum*, 27(6):36–38, June 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Guterl:1990:TTV** [Ham93a]
- [Gut91] F. Guterl. Ericsson bets on a cellular world. *IEEE Spectrum*, 28(2):48–51, February 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Guterl:1991:EBC** [Ham93b]
- [Gut92] F. Guterl. Nokia's rising star flickers (manufacturing firm). *IEEE Spectrum*, 29(5):48–51, May 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Guterl:1992:NRS** [Ham95]
- W. Gopel and T. Weiss. Design for smelling. *IEEE Spectrum*, 35(9):32–34, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Gopel:1998:DS**
- S. Hackwood. Extension programs help small US firms. *IEEE Spectrum*, 30(9):73–75, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Hackwood:1993:EPH**
- D. Hammerstrom. Neural networks at work. *IEEE Spectrum*, 30(6):26–32, June 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Hammerstrom:1993:NNW**
- D. Hammerstrom. Working with neural networks. *IEEE Spectrum*, 30(7):46–53, July 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Hammerstrom:1993:WNN**
- J. Hamalainen. Video recording goes digital. *IEEE Spectrum*, 32(4):76–79, April 1995. CODEN IEESAM. ISSN

0018-9235 (print), 1939-9340 (electronic).

Hancock:1993:PHF

- [Han93] D. Hancock. ‘Prototyping’ the Hubble fix. *IEEE Spectrum*, 30(10):34–39, October 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Har92a]

Hantman:1996:WLI

- [Han96] N. T. Hantman. And the winners are ... The *IEEE Spectrum* Quilt Block Contest. *IEEE Spectrum*, 33(10):57, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Har92b]

Hantman:1997:WLS

- [Han97] N. T. Hantman. And the winners are ... *Spectrum’s* Second Quilt Block Contest. *IEEE Spectrum*, 34(12):48–51, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Har99a]

Hantman:1998:DAQ

- [Han98a] N. Hantman. Digital aids to quilting design. *IEEE Spectrum*, 35(7):13, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Har99b]

Hantman:1998:WLS

- [Han98b] N. T. Hantman. And the winners are ... *Spectrum’s* Third Quilt Block Contest. [Hau93]

IEEE Spectrum, 35(12):60–63, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Harjani:1992:ESD

R. Harjani. Engineering software — designing mixed-signal ICs. *IEEE Spectrum*, 29(11):49–51, November 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Hartman:1992:UDC

D. Hartman. Unclogging distributed computing. *IEEE Spectrum*, 29(5):36–39, May 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Harned:1999:ULI

N. Harned. Ultralight lithography [IC manufacture]. *IEEE Spectrum*, 36(7):35–40, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Harriott:1999:NRB

L. R. Harriott. A new role for e-beam: electron projection. *IEEE Spectrum*, 36(7):41–45, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Haus:1993:MLS

H. A. Haus. Molding light into solitons. *IEEE Spectrum*, 30

- (3):48–53, March 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hay93] **Hayashi:1993:IM**
H. Hayashi. Intelligent manufacturing. *IEEE Spectrum*, 30(9):82–84, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Hel96]
- [HBY90] **Hoffman:1990:SWO**
S. Hoffman and G. Ben-Yaacov. Software workstations: one-stop shopping for utilities. *IEEE Spectrum*, 27(12):53–56, December 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Hel97]
- [HD96] **Heyns:1996:VHC**
M. Heyns and G. DeClerk. Viewpoint: How clean is ‘clean enough’? *IEEE Spectrum*, 33(1):52–53, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Hel98]
- [Hea90] **Headrick:1990:LHH**
J. M. Headrick. Looking over the horizon (hf radar). *IEEE Spectrum*, 27(7):36–39, July 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Hel99]
- [Hei97] **Heilmeier:1997:GHH**
G. H. Heilmeier. George H. Heilmeier — the recipient of the 1997 IEEE Medal of Honor shares thoughts about research management in this Q&A with *Spectrum* magazine. *IEEE Spectrum*, 34(6):18–23, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Hellemans:1996:BS**
A. Hellemans. Basic science. *IEEE Spectrum*, 33(1):101–104, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Hellemans:1997:BST**
A. Hellemans. Basic science [1996 technology review]. *IEEE Spectrum*, 34(1):70–73, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Helemans:1998:BST**
A. Helemans. Basic science [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):100–103, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Hellestrand:1999:RSE**
G. R. Hellestrand. The revolution in systems engineering. *IEEE Spectrum*, 36(9):43–51, September 1999. CODEN IEESAM. ISSN 0018-

9235 (print), 1939-9340 (electronic).

Hendriks:1997:SCD

- [Hen97] P. Hendriks. Specifying communications DACs. *IEEE Spectrum*, 34(7):58–69, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Hil91]

Herrell:1999:PP

- [Her99] D. Herrell. Power to the package. *IEEE Spectrum*, 36(7):46–53, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Hil99]

Horning:1991:GEW

- [HFYT91] R. J. Horning, M. Forsyth, J. Yetter, and L. J. Thayer. A guide to engineering workstations: how ICs impact workstations. *IEEE Spectrum*, 28(4):58–62, April 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Hin90]

Hammond:1993:DS

- [HHSM93] R. B. Hammond, G. L. Hey-Shipton, and G. L. Matthaei. Designing with superconductors. *IEEE Spectrum*, 30(4):34–39, April 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Hin92]

Hess:1992:AQL

- [HI92] K. Hess and G. J. Iafrate. Approaching the quantum limit. [Hin93]

IEEE Spectrum, 29(7):44–49, July 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Hills:1991:TIN

A. Hills. Teaching information networking. *IEEE Spectrum*, 28(10):22–23, October 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Hills:1999:WAM

A. Hills. Wireless Andrew [mobile computing for university campus]. *IEEE Spectrum*, 36(6):49–53, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Hines:1990:AAD

J. R. Hines. Affordable analog design. *IEEE Spectrum*, 27(11):60–67, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Hinton:1992:SP

H. S. Hinton. Switching to photonics. *IEEE Spectrum*, 29(2):42–45, February 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Hingorani:1993:FAT

N. G. Hingorani. Flexible AC transmission. *IEEE Spectrum*, 30(4):40–45, April 1993. CODEN IEESAM. ISSN 0018-

- 9235 (print), 1939-9340 (electronic).
- [Hin95] **Hingorani:1995:ICP**
N. G. Hingorani. Introducing custom power. *IEEE Spectrum*, 32(6):41-48, June 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hin96a] **Hines:1996:PNa**
J. R. Hines. Program notes. *IEEE Spectrum*, 33(1):122, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hin96b] **Hines:1996:PNb**
J. R. Hines. Program notes. *IEEE Spectrum*, 33(5):81-82, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hin96c] **Hines:1996:PNc**
J. R. Hines. Program notes. *IEEE Spectrum*, 33(7):100, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hin96d] **Hines:1996:PNd**
J. R. Hines. Program notes. *IEEE Spectrum*, 33(9):23, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hin96e] **Hines:1996:PNe**
J. R. Hines. Program notes. *IEEE Spectrum*, 33(11):23, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hin96f] **Hines:1996:PNJ**
J. R. Hines. Program notes: Java: jive?; key klatch; good reading. *IEEE Spectrum*, 33(3):15, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hin96g] **Hines:1996:SE**
J. R. Hines. Software engineering. *IEEE Spectrum*, 33(1):60-64, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hin96h] **Hingorani:1996:HVD**
N. G. Hingorani. High-voltage DC transmission: a power electronics workhorse. *IEEE Spectrum*, 33(4):63-72, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hin97a] **Hines:1997:PNa**
J. R. Hines. Program notes. *IEEE Spectrum*, 34(9):20-22, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Hin97b] **Hines:1997:PNb**
 J. R. Hines. Program notes. *IEEE Spectrum*, 34(11):20, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hin97c] **Hines:1997:VMJ**
 J. R. Hines. Virtual machines jockey for position. *IEEE Spectrum*, 34(7):16, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hin98] **Hines:1998:SET**
 J. Hines. Software engineering [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):48–51, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hin99] **Hinman:1999:ILH**
 R. T. Hinman. Infinite loop: How Apple, the world’s most insanely great computer went insane. *IEEE Spectrum*, 36(5):16–17, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [HJ93] **Hunt:1993:KCB**
 E. R. Hunt and G. Johnson. Keeping chaos at bay. *IEEE Spectrum*, 30(11):32–36, November 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [HK99] **Hammond:1999:MSC**
 J. S. Hammond and R. L. Keeney. Making smart choices in engineering. *IEEE Spectrum*, 36(11):71–76, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [HL99] **Herbert:1999:EIP**
 J. R. Herbert and M. Loui. The ethics of intellectual property and the new information technologies. *IEEE Spectrum*, 36(8):29–37, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [HMGT90] **Howe:1990:SMS**
 R. T. Howe, R. S. Muller, K. J. Gabriel, and W. S. N. Trimmer. Silicon micromechanics: sensors and actuators on a chip. *IEEE Spectrum*, 27(7):29–31, July 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hol97] **Holliday:1997:RG**
 C. R. Holliday. The residential gateway. *IEEE Spectrum*, 34(5):29–31, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Hor92] **Horgan:1992:CSP**
 J. Horgan. Claude E. Shannon [profile]. *IEEE Spectrum*,

- 29(4):72–75, April 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Hou95]
- [Hos94a] **Hoschette:1994:LGW**
J. A. Hoschette. Looking good — whatever happens [engineering profession]. *IEEE Spectrum*, 31(12):42–44, December 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [HPV92]
- [Hos94b] **Hoschette:1994:TCY**
J. A. Hoschette. Taking charge of your promotion. *IEEE Spectrum*, 31(11):96–99, November 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [HR96]
- [Hos95a] **Hoschette:1995:HSS**
J. A. Hoschette. The in-house springboard to success [company job advertisements, career development]. *IEEE Spectrum*, 32(3):62–64, March 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [HS96a]
- [Hos95b] **Hoschette:1995:MH**
J. A. Hoschette. A mentor in hand. *IEEE Spectrum*, 32(2):56–58, February 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [HS96b]
- House:1995:CRS**
R. House. Choosing the right software for data acquisition. *IEEE Spectrum*, 32(5):24–26, May 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Hickerson:1992:EWM**
L. B. Hickerson, C. S. Pervier, and P. Valdes. Engineering workstations — managing network workstations. *IEEE Spectrum*, 29(4):55–56, April 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Hunt:1996:BSC**
M. Hunt and J. A. Rowson. Blocking in a system on a chip. *IEEE Spectrum*, 33(11):35–41, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Hawkins:1996:VDY**
Charles F. Hawkins and Jerry M. Soden. Viewpoint: Dealing with yield losses in I_{DDQ} testing. *IEEE Spectrum*, 33(1):68–69, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Hunt:1996:UGE**
S. Hunt and G. Shuttleworth. Unlocking the grid [electricity industry restructuring]. *IEEE Spectrum*, 33(7):20–25, July

1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Hul95]
- Hermance:1998:HEV**
- [HS98] D. Hermance and S. Sasaki. Hybrid electric vehicles take to the streets. *IEEE Spectrum*, 35(11):48–52, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Hul97]
- Hood:1999:EPP**
- [HS99] M. Hood and W. Sweet. Energy policy and politics in China. *IEEE Spectrum*, 36(11):34–38, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [HW94]
- Hoshen:1995:KTC**
- [HSW95] J. Hoshen, J. Sennott, and M. Winkler. Keeping tabs on criminals [electronic monitoring]. *IEEE Spectrum*, 32(2):26–32, February 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ico97]
- Horne:1995:NWN**
- [HT95] W. D. Horne and R. M. Taylor. New waves for new systems [radio frequency spectrum allocation]. *IEEE Spectrum*, 32(10):72–77, October 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [IK99]
- Hull:1995:TA**
- S. Hull. Technology for all. *IEEE Spectrum*, 32(12):6–??, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Hull:1997:FR**
- J. R. Hull. Flywheels on a roll. *IEEE Spectrum*, 34(7):20–25, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Hopf:1994:TID**
- S. Hopf and T. Warneke. Tools interact in design analyses. *IEEE Spectrum*, 31(6):41–43, June 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Icove:1997:CCI**
- D. J. Icove. Collaring the cybercreek: an investigator's view. *IEEE Spectrum*, 34(6):31–36, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Iyer:1999:EDT**
- S. S. Iyer and H. L. Kalter. Embedded DRAM technology: opportunities and challenges. *IEEE Spectrum*, 36(4):56–64, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [IO96] **Inacio:1996:DDF**
C. Inacio and D. Ombres. The DSP decision: fixed point or floating? *IEEE Spectrum*, 33(9):72–74, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Jay95]
- [Ish94] **Ishii:1994:ES**
T. Ishii. Elevators for skyscrapers. *IEEE Spectrum*, 31(9):42–46, September 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [JB96]
- [Ito90] **Itoh:1990:NTO**
N. Itoh. New tricks for an old power source (fuel cells). *IEEE Spectrum*, 27(9):40–43, September 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [JJ91]
- [Jai93] **Jaikumar:1993:YC**
R. Jaikumar. 200 years to CIM. *IEEE Spectrum*, 30(9):26–27, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [JNM⁺98]
- [Jam98] **James:1998:TRC**
J. V. James. Tracking the right clues with exploratory data analysis. *IEEE Spectrum*, 35(7):58–65, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Joh90]
- Jayadev:1995:HW**
J. Jayadev. Harnessing the wind. *IEEE Spectrum*, 32(11):78–83, November 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Jankovic:1996:EWS**
G. Jankovic and L. Black. Engineering a Web site. *IEEE Spectrum*, 33(11):62–69, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Jangi:1991:ESA**
S. Jangi and Y. Jain. Embedding spectral analysis in equipment. *IEEE Spectrum*, 28(2):40–43, February 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Jamison:1998:VYF**
J. Jamison, R. Nicklas, G. Miller, K. Thompson, R. Wilder, L. Cunningham, and C. Song. vBNS: not your father's Internet. *IEEE Spectrum*, 35(7):38–46, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Johnson:1990:MMN**
R. R. Johnson. Multi-chip modules: next-generation packages. *IEEE Spectrum*, 27

(3):34–36, March 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Johnson:1993:HRM

- [Joh93] R. F. Johnson. Hitting the road with manufacturing know-how (education). *IEEE Spectrum*, 30(9):81, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Jon98a]

Johnson:1994:AMS

- [Joh94] M. Johnson. The all-metal spin transistor. *IEEE Spectrum*, 31(5):47–51, May 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Jon98b]

Johnston:1998:EFM

- [Joh98] W. Johnston. Europe's future mobile telephony system. *IEEE Spectrum*, 35(10):49–53, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Jon98c]

Jones:1992:CME

- [Jon92] C. Jones. CASE's missing elements. *IEEE Spectrum*, 29(6):38–41, June 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Jon98d]

Jones:1997:TYA

- [Jon97] W. D. Jones. Thirty years ago *IEEE Spectrum*,

34(12):64T10–64T12, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1998:BDS

C. Jones. Bad days for software. *IEEE Spectrum*, 35(9):47–52, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1998:TYAg

W. Jones. Thirty years ago *IEEE Spectrum*, 35(8):76T4–76T6, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1998:TYAh

W. Jones. Thirty years ago *IEEE Spectrum*, 35(9):80T2–80T4, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1998:TYAi

W. Jones. Thirty years ago *IEEE Spectrum*, 35(10):80T4–80T6, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1998:TYAj

W. Jones. Thirty years ago *IEEE Spectrum*, 35(11):60T11, November 1998. CODEN IEESAM. ISSN 0018-

- 9235 (print), 1939-9340 (electronic).
- [Jon98f] **Jones:1998:TYAa** [Jon98k] W. D. Jones. Thirty years ago *IEEE Spectrum*, 35(6):84T2–84T6, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Jon98g] **Jones:1998:TYAb** [Jon98l] W. D. Jones. Thirty years ago *IEEE Spectrum*, 35(2):68t2–68t5, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Jon98h] **Jones:1998:TYAc** [Jon99a] W. D. Jones. Thirty years ago *IEEE Spectrum*, 35(3):68T4–68T7, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Jon98i] **Jones:1998:TYAd** [Jon99b] W. D. Jones. Thirty years ago *IEEE Spectrum*, 35(4):72T3, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Jon98j] **Jones:1998:TYAe** [Jon99c] W. D. Jones. Thirty years ago *IEEE Spectrum*, 35(5):60T7–60T8, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Jones:1998:TYAf** W. D. Jones. Thirty years ago *IEEE Spectrum*, 35(6):84T2–84T6, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Jones:1998:TYAk** W. D. Jones. Thirty years ago *IEEE Spectrum*, 35(12):64T3–64T6, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Jones:1999:I** W. D. Jones. Innovations. *IEEE Spectrum*, 36(1):112, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Jones:1999:TYAa** W. D. Jones. Thirty years ago *IEEE Spectrum*, 36(1):112T2–112T4, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Jones:1999:TYAb** W. D. Jones. Thirty years ago *IEEE Spectrum*, 36(2):64T2–64T5, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1999:TYAc

- [Jon99d] W. D. Jones. Thirty years ago *IEEE Spectrum*, 36(3): 16T6–16T8, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1999:TYAd

- [Jon99e] W. D. Jones. Thirty years ago *IEEE Spectrum*, 36(4):78R10–78R13, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1999:TYAe

- [Jon99f] W. D. Jones. Thirty years ago *IEEE Spectrum*, 36(5):66R2, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1999:TYAf

- [Jon99g] W. D. Jones. Thirty years ago *IEEE Spectrum*, 36(6): 82R2–82R4, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1999:TYAg

- [Jon99h] W. D. Jones. Thirty years ago *IEEE Spectrum*, 36(7): 88R14–88R15, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1999:TYAh

- [Jon99i] W. D. Jones. Thirty years ago *IEEE Spectrum*, 36(8): 72R9–72R11, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1999:TYAi

- [Jon99j] W. D. Jones. Thirty years ago *IEEE Spectrum*, 36(9): 90R2–90R7, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1999:TYAj

- [Jon99k] W. D. Jones. Thirty years ago *IEEE Spectrum*, 36(10): 74R11–74R13, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1999:TYAk

- [Jon99l] W. D. Jones. Thirty years ago *IEEE Spectrum*, 36(11): 82R2–82R6, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jones:1999:TYAl

- [Jon99m] W. D. Jones. Thirty years ago *IEEE Spectrum*, 36(12): 88R2–88R11, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- Jones:1992:MNE**
- [JPN⁺92] F. Jones, B. Prince, R. Norwood, J. Hartigan, W. C. Vogley, C. A. Hart, and D. Bonduant. Memory — a new era of fast dynamic RAMs (for video applications). *IEEE Spectrum*, 29(10):43–45, October 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Jones:1999:NTG**
- [JS99] D. A. Jones and R. L. Skelton. The next threat to grid reliability-data security. *IEEE Spectrum*, 36(6):46–48, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Jayaraman:1993:MSS**
- [JT93] R. Jayaraman and P. Toole. Manufacturing systems simulated. *IEEE Spectrum*, 30(9):60–62, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Juliussen:1994:WLE**
- [Jul94] E. Juliussen. Which low-end workstation? *IEEE Spectrum*, 31(4):51–54, April 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Juliussen:1995:SC**
- [Jul95] E. Juliussen. Small computers. *IEEE Spectrum*, 32(1):44–47, January 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Juliussen:1997:C**
- [Jul97] E. Juliussen. Computers. *IEEE Spectrum*, 34(1):49–54, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Jurgen:1990:ACE**
- [Jur90a] R. K. Jurgen. Applications '90: consumer electronics. *IEEE Spectrum*, 27(2):39–41, February 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Jurgen:1990:FAH**
- [Jur90b] R. K. Jurgen. Friendly adversaries help US companies. *IEEE Spectrum*, 27(5):50–51, May 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Jurgen:1990:GCM**
- [Jur90c] R. K. Jurgen. GlobalR&D for a 21st century manufacturing system. *IEEE Spectrum*, 27(11):122–124, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Jurgen:1990:PEW**
- [Jur90d] R. K. Jurgen. Putting electronics to work in the 1991 car models. *IEEE Spectrum*,

27(12):72–75, December 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jurgen:1990:VTR

[Jur90e]

R. K. Jurgen. View from the top: responding to the business divisions' needs (R&D). *IEEE Spectrum*, 27(10):34–39, October 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jurgen:1991:CDH

[Jur91a]

R. K. Jurgen. The challenges of digital HDTV. *IEEE Spectrum*, 28(4):28–30, April 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jurgen:1991:SCH

[Jur91b]

R. K. Jurgen. Smart cars and highways go global. *IEEE Spectrum*, 28(5):26–36, May 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jurgen:1991:TCE

[Jur91c]

R. K. Jurgen. Technology 1991: consumer electronics. *IEEE Spectrum*, 28(1):65–68, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jurgen:1991:TSN

[Jur91d]

R. K. Jurgen. Technology 1991: the specialities neural

networks, TAPS, integrated document interchange. *IEEE Spectrum*, 28(1):79, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jurgen:1992:DV

[Jur92a]

R. K. Jurgen. Digital video. *IEEE Spectrum*, 29(3):24–30, March 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jurgen:1992:GBT

[Jur92b]

R. K. Jurgen. Good-bye to TV ghosts. *IEEE Spectrum*, 29(7):50–52, July 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jurgen:1992:TCE

[Jur92c]

R. K. Jurgen. Technology 1992 — consumer electronics. *IEEE Spectrum*, 29(1):52–54, January 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Jurgen:1992:TME

[Jur92d]

R. K. Jurgen. Technology 1992 — medical electronics. *IEEE Spectrum*, 29(1):61–62, January 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Jur92e] **Jurgen:1992:TS** R. K. Jurgen. Technology 1992 — the specialities. *IEEE Spectrum*, 29(1):63, January 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [JWA⁺91]
- [Jur92f] **Jurgen:1992:TT** R. K. Jurgen. Technology 1992 — transportation. *IEEE Spectrum*, 29(1):55–57, January 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [KA90]
- [Jur93] **Jurgen:1993:TCE** R. K. Jurgen. Technology 1993 — consumer electronics. *IEEE Spectrum*, 30(1):65–67, January 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [KA94]
- [Jur95] **Jurgen:1995:EM** R. K. Jurgen. The electronic motorist. *IEEE Spectrum*, 32(3):37–48, March 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Kal94]
- [Jur96] **Jurgen:1996:BDA** R. K. Jurgen. Broadcasting with digital audio. *IEEE Spectrum*, 33(3):52–59, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Kam99]
- Jurgen:1991:PTL** R. K. Jurgen, G. Watson, J. A. Adam, T. E. Bell, K. Esch, K. Fitzgerald, Glenn Zorpette, and D. L. DiMaria. Poised for technological leadership. *IEEE Spectrum*, 28(6):30–42, June 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Kappernman:1990:BGs** J. G. Kappernman and V. D. Albertson. Bracing for the geomagnetic storms. *IEEE Spectrum*, 27(3):27–33, March 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Kodali:1994:EDT** V. P. Kodali and V. K. Aatre. Electronics and defense: turning setbacks into successes. *IEEE Spectrum*, 31(3):47–50, March 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Kalinin:1994:SSN** A. V. Kalinin. Secrets of the Soviet nuclear complex. *IEEE Spectrum*, 31(5):32–38, May 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Kam:1999:NCV** M. Kam. New chapter and verse [book review]. *IEEE*

Spectrum, 36(2):10–12, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Kaplan:1990:AIE

[Kap90a]

Gadi Kaplan. Applications '90: industrial electronics. *IEEE Spectrum*, 27(2):42–43, February 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Kaplan:1990:ESR

[Kap90b]

Gadi Kaplan. EC '92: status report. *IEEE Spectrum*, 27(6):22–24, June 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Kaplan:1991:TIE

[Kap91]

Gadi Kaplan. Technology 1991: industrial electronics. *IEEE Spectrum*, 28(1):59–60, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Kaplan:1992:EST

[Kap92a]

Gadi Kaplan. Engineering software — talking about tools. *IEEE Spectrum*, 29(11):32–33, November 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Kaplan:1992:TIE

[Kap92b]

Gadi Kaplan. Technology 1992 — industrial electron-

ics. *IEEE Spectrum*, 29(1):47–48, January 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Kaplan:1992:EWU

[Kap92c]

G. Kaplan. Engineering workstations — the user's view. *IEEE Spectrum*, 29(4):30–31, April 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Kaplan:1993:TIE

[Kap93]

Gadi Kaplan. Technology 1993 — industrial electronics. *IEEE Spectrum*, 30(1):58–60, January 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Kaplan:1994:ATP

[Kap94]

Gadi Kaplan. Appropriate technologies [photovoltaic power generation]. *IEEE Spectrum*, 31(10):32, October 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Kaplan:1995:IE

[Kap95]

Gadi Kaplan. Industrial electronics. *IEEE Spectrum*, 32(1):84–86, January 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Kap96] **Kaplan:1996:IE**
Gadi Kaplan. Industrial electronics. *IEEE Spectrum*, 33(1):96–100, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kap97a] **Kaplan:1997:AMD**
Gadi Kaplan. Auto manufacture digitizes in depth. *IEEE Spectrum*, 34(11):62–69, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kap97b] **Kaplan:1997:IET**
Gadi Kaplan. Industrial electronics [technology analysis and forecast]. *IEEE Spectrum*, 34(1):79–83, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kap98a] **Kaplan:1998:IET**
Gadi Kaplan. Industrial electronics [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):73–78, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kap98b] **Kaplan:1998:IHT**
Gadi Kaplan. Israel: a high-tech haven. *IEEE Spectrum*, 35(5):22–32, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kap99a] **Kaplan:1999:CCP**
Gadi Kaplan. Charles Concordia [power engineer biography]. *IEEE Spectrum*, 36(6):28–33, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kap99b] **Kaplan:1999:IET**
Gadi Kaplan. Industrial electronics [technology 1999 analysis and forecast]. *IEEE Spectrum*, 36(1):68–72, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kap99c] **Kaplan:1999:USE**
Gadi Kaplan. Update on software engineering. *IEEE Spectrum*, 36(4):29, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kar96a] **Karnofsky:1996:SDA**
K. Karnofsky. Speeding DSP algorithm design. *IEEE Spectrum*, 33(7):79–82, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kar96b] **Karray:1996:AFB**
F. Karray. Applied fuzziness [books]. *IEEE Spectrum*, 33(10):10–14, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Kas94] **Kasturirangan:1994:ATT**
K. Kasturirangan. Aerospace technologies: a terrestrial focus. *IEEE Spectrum*, 31(3):39–43, March 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Khe94] **Khermouch:1994:LC**
G. Khermouch. Large computers. *IEEE Spectrum*, 31(1):46–49, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Khe95] **Khermouch:1995:LC**
G. Khermouch. Large computers. *IEEE Spectrum*, 32(1):48–51, January 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kel97] **Kelley:1997:FEM**
E. W. Kelley. The future of electronic money: a regulator's perspective. *IEEE Spectrum*, 34(2):20–22, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kel99] **Kelley:1999:HSE**
R. E. Kelley. How to be a star engineer. *IEEE Spectrum*, 36(10):51–58, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kha96] **Khan:1996:WEE**
A. R. Khan. Workhorses of the electronic era [microcontrollers]. *IEEE Spectrum*, 33(10):36–39, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Khe94] **Khermouch:1994:LC**
G. Khermouch. Large computers. *IEEE Spectrum*, 31(1):46–49, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Khe95] **Khermouch:1995:LC**
G. Khermouch. Large computers. *IEEE Spectrum*, 32(1):48–51, January 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [KHSK95] **King:1995:HET**
R. D. King, K. B. Haefner, L. Salasoo, and R. A. Koegl. Hybrid electric transit bus pollutes less, conserves fuel. *IEEE Spectrum*, 32(7):26–31, July 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kin93] **King:1993:NPI**
J. King. New peripherals increase options. *IEEE Spectrum*, 30(5):69–76, May 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kha96] **Khan:1996:WEE**
A. R. Khan. Workhorses of the electronic era [microcontrollers]. *IEEE Spectrum*, 33(10):36–39, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kir96] **Kirtley:1996:IMF**
J. Kirtley. Imaging magnetic fields. *IEEE Spectrum*, 33(12):40–43, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [KM96] **Koch:1996:NVC**
C. Koch and B. Mathur. Neuronomorphic vision chips. *IEEE Spectrum*, 33(5):38–46, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Kob93] **Kobb:1993:PW**
B. Z. Kobb. Personal wireless. *IEEE Spectrum*, 30(6):20–25, June 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kob94] **Kobetic:1994:ASS**
R. Kobetic. Advancing step by step. *IEEE Spectrum*, 31(10):27–31, October 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Kor94]
- [Kob95] **Kobb:1995:T**
B. Z. Kobb. Telecommunications. *IEEE Spectrum*, 32(1):30–34, January 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Kor99]
- [Koe99] **Koenen:1999:MMO**
R. Koenen. MPEG-4 multimedia for our time. *IEEE Spectrum*, 36(2):26–33, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [KP98]
- [Kok93] **Kokubo:1993:CI**
A. Kokubo. Competitive intelligence. *IEEE Spectrum*, 30(8):44–46, August 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [KR90]
- [Kor93] **Kornbluh:1993:ESS**
Ken Kornbluh. Engineering software — seeing data in ac-
tion. *IEEE Spectrum*, 30(11):60–64, November 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Kornbluh:1994:ADA**
Ken Kornbluh. Active data analysis: advanced software for the '90s. *IEEE Spectrum*, 31(11):57–70, November 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Kornbluh:1999:MSS**
Ken Kornbluh. Math and science software [technology 1999 analysis and forecast]. *IEEE Spectrum*, 36(1):88–91, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Kaplan:1998:EE**
Gadi Kaplan and T. Perry. Engineers as entrepreneurs. *IEEE Spectrum*, 35(8):14–23, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Kaplan:1990:EWR**
Gadi Kaplan and A. Rosenblatt. The expanding world of R&D. *IEEE Spectrum*, 27(10):28–33, October 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Kra96] **Kramish:1996:EEB**
 A. Kramish. Eavesdropping at its electronic best. *IEEE Spectrum*, 33(5):11–12, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kra98] **Kramish:1998:BBB**
 A. Kramish. Blueprinting the bomb [books]. *IEEE Spectrum*, 35(4):12–14, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [KRF97] **Karr:1997:SSM**
 C. R. Karr, D. Reece, and R. Franceschini. Synthetic soldiers [military training simulators]. *IEEE Spectrum*, 34(3):39–45, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [KS92] **Koopman:1992:EWI**
 P. Koopman and D. P. Siewiorek. Engineering workstations — ICs: the brains of a workstation. *IEEE Spectrum*, 29(4):52–54, April 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kuh91] **Kuhn:1991:IPM**
 D. R. Kuhn. IEEE’s Posix: making progress. *IEEE Spectrum*, 28(12):36–39, December 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kuk93] **Kukuljian:1993:GAP**
 V. Kukuljian. Growing an automated production line. *IEEE Spectrum*, 30(9):37–39, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kur92] **Kurland:1992:SHH**
 M. Kurland. Surviving hell and high water (electronic equipment design). *IEEE Spectrum*, 29(5):44–47, May 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kur99] **Kurz:1999:RAE**
 H. Kurz. Rolling across Europe’s vanishing frontiers [electric railway technology]. *IEEE Spectrum*, 36(2):44–49, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [KW92] **Kahaner:1992:SJC**
 D. K. Kahaner and U. Wattenberg. Supercomputing-Japan: a competitive assessment. *IEEE Spectrum*, 29(9):42–47, September 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [KWC93] **Kephart:1993:CE**
 J. O. Kephart, S. R. White, and D. M. Chess. Computers and epidemiology. *IEEE*

- Spectrum*, 30(5):20–26, May 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Lan99]
- [KWCR92] Gadi Kaplan, G. F. Watson, L. Curran, and M. J. Riezenman. Companies in profile. *IEEE Spectrum*, 29(12):37–45, December 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Kassakian:1996:AES] John G. Kassakian, Hans-Christoph Wolf, John M. Miller, and Charles J. Hurton. Automotive electrical systems circa 2005. *IEEE Spectrum*, 33(8):22–27, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Lar94]
- [Lan94] J. Lane. ATM knits voice, data on any net. *IEEE Spectrum*, 31(2):42–45, February 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Lar95]
- [Lan98] L. Lange. The Internet [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):37–42, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Lan99]
- [Lange:1999:ITA] L. Lange. The Internet [technology 1999 analysis and forecast]. *IEEE Spectrum*, 36(1):35–40, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Larsen:1993:RR] R. S. Larsen. Running out of resources. *IEEE Spectrum*, 30(7):43–45, July 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Larocque:1994:CST] J. Larocque. Client–server trends. *IEEE Spectrum*, 31(4):48–50, April 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Large:1995:CNI] D. Large. Creating a network for interactivity. *IEEE Spectrum*, 32(4):58–63, April 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Latham:1997:CDB] C. Latham. A crucial demarche [books]. *IEEE Spectrum*, 34(8):10–12, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Lau97] **Lauterbach:1997:GME** M. Lauterbach. Getting more out of eye diagrams [circuit testing]. *IEEE Spectrum*, 34(3):60–63, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Laz99] **Lazzaro:1999:HWH** J. J. Lazzaro. Helping the Web help the disabled. *IEEE Spectrum*, 36(3):54–59, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [LB96] **Lapsley:1996:HED** P. Lapsley and G. Blalock. How to estimate DSP processor performance. *IEEE Spectrum*, 33(7):74–78, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [LC99] **Lassen:1999:S** C. L. Lassen and M. V. Christensen. The via squeeze. *IEEE Spectrum*, 36(10):36–41, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [LD96] **Liboni:1996:LEP** C. Liboni and C. De Lacerda. On the leading edge of the process control world. *IEEE Spectrum*, 33(7):44–47, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Len96] **Lenstra:1996:VNS** A. K. Lenstra. Viewpoint: Network security — elusive, essential. *IEEE Spectrum*, 33(1):32–33, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Leu97] **Leung:1997:SPP** E. Leung. Surge protection for power grids. *IEEE Spectrum*, 34(7):26–30, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Lev92] **Levitt:1992:ATU** M. E. Levitt. ASIC testing upgraded. *IEEE Spectrum*, 29(5):26–29, May 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Lew95] **Lewis:1995:SGW** M. A. Lewis. Sleuthing out gravitational waves. *IEEE Spectrum*, 32(5):57–61, May 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [LH98] **lHunt:1998:GBS** G. I. Hunt. The great battery search [electric vehicles]. *IEEE Spectrum*, 35(11):21–28, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [LHD⁺90] **Lathrop:1990:FAA**
 R. H. Lathrop, R. J. Hall, G. Duffy, K. M. Alexander, and R. S. Kirk. 'Functional abstraction' anticipates timing glitches. *IEEE Spectrum*, 27(4):41–42, April 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Lk92] **Likourezos:1992:JLB**
 G. Likourezos. Jan. 28, 1958: A laser is born. *IEEE Spectrum*, 29(5):43, May 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Lin96] **Lindley:1996:NMK**
 D. Lindley. No more to know? [books]. *IEEE Spectrum*, 33(7):10–12, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [LK99a] **Lazarus-Karaoglan:1999:BOE**
 T. Lazarus-Karaoglan. Bringing order to the embedded space. *IEEE Spectrum*, 36(4):65–72, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [LK99b] **Lazarus-Karaoglan:1999:MET**
 T. Lazarus-Karaoglan. Medical electronics [technology 1999 analysis and forecast]. *IEEE Spectrum*, 36(1):79–83, January 1999. CO-
- [LLKS95] DEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [LLKS95] **Lucas:1995:FGR**
 H. C. Lucas, H. Levecq, R. Kraut, and L. Streeter. France's grass roots data net. *IEEE Spectrum*, 32(11):71–77, November 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Loc95] **Locke:1995:TA**
 T. Locke. Technology for all. *IEEE Spectrum*, 32(12):8–??, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Log99] **Logan:1999:BBE**
 J. Logan. Balancing the books on energy pricing. *IEEE Spectrum*, 36(12):59–63, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Low92] **Lowe:1992:TDC**
 S. J. Lowe. Technology, 1992-data communications. *IEEE Spectrum*, 29(1):39–41, January 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Low95] **Lowe:1995:DC**
 S. J. Lowe. Data communications. *IEEE Spectrum*, 32(1):26–29, January 1995. CODEN IEESAM. ISSN 0018-

- 9235 (print), 1939-9340 (electronic).
- [Low97] **Lowery:1997:CAP**
A. J. Lowery. Computer-aided photonics design. *IEEE Spectrum*, 34(4):26–31, April 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [LP97a] **Lewis:1997:FCB**
G. N. Lewis and T. A. Postol. Future challenges to ballistic missile defense. *IEEE Spectrum*, 34(9):60–68, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [LP97b] **Lewis:1997:WPR**
G. N. Lewis and T. A. Postol. Why the picture is right: a reply to Stein and Little. *IEEE Spectrum*, 34(11):73–74, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). See [SLLP97].
- [LP98] **Lefkon:1998:PEM**
D. Lefkon and B. Payne. The practical engineer. Making embedded systems Year 2000 compliant. *IEEE Spectrum*, 35(6):74–79, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [LRC99] **Lelieveld:1999:GEA**
J. Lelieveld, V. Ramanathan, and P. J. Crutzen. The global effects of Asian haze [air pollution]. *IEEE Spectrum*, 36(12):50–54, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Lub95] **Lodin:1998:FFI**
S. W. Lodin and C. L. Schuba. Firewalls fend off invasions from the net. *IEEE Spectrum*, 35(2):26–34, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Lub97] **Lubell:1995:GSH**
P. D. Lubell. The gathering storm in high-density compact disks. *IEEE Spectrum*, 32(8):32–37, August 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Lub97] **Lubell:1997:HW**
P. Lubell. HDTV in Wonderland. *IEEE Spectrum*, 34(9):16–18, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Luc93] **Luciano:1993:DTY**
V. P. Luciano. Display terminals as you like them FMS. *IEEE Spectrum*, 30(9):35–37, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1994:BBB

[Luc94a] R. W. Lucky. A bit is a bit is a bit? [reflections]. *IEEE Spectrum*, 31(7):15, July 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1994:DSC

[Luc94b] R. W. Lucky. The disappearing space crunch [reflections]. *IEEE Spectrum*, 31(1):4, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1996:BBR

[Luc96a] R. W. Lucky. Bozos on the bus [reflections]. *IEEE Spectrum*, 33(7):19, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1996:GFR

[Luc96b] R. W. Lucky. The glitz factor [reflections]. *IEEE Spectrum*, 33(9):24, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1996:LWT

[Luc96c] R. W. Lucky. Have laptop, will travel [reflections]. *IEEE Spectrum*, 33(1):21, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1996:HIY

[Luc96d] R. W. Lucky. Honk if you're for anarchy [reflections]. *IEEE Spectrum*, 33(11):24, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1996:WHR

[Luc96e] R. W. Lucky. Why am i here? [reflections]. *IEEE Spectrum*, 33(3):19, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1997:TAR

[Luc97a] R. W. Lucky. Any time, anywhere [reflections]. *IEEE Spectrum*, 34(7):17, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1997:BOR

[Luc97b] R. W. Lucky. Blinking 12 o'clock [reflections]. *IEEE Spectrum*, 34(3):17, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1997:FEN

[Luc97c] R. W. Lucky. Fatal error number 27 [reflections]. *IEEE Spectrum*, 34(5):18, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1997:JPR

[Luc97d] R. W. Lucky. The junk plague [reflections]. *IEEE Spectrum*, 34(9):25, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1997:R

[Luc97e] R. W. Lucky. Reflections. *IEEE Spectrum*, 34(1):21, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1997:WDS

[Luc97f] R. W. Lucky. When is dumb smart? [reflections]. *IEEE Spectrum*, 34(11):21, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1998:CSR

[Luc98a] R. W. Lucky. Clock speed [reflections]. *IEEE Spectrum*, 35(7):18, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1998:EED

[Luc98b] R. W. Lucky. Electrical engineering: A diminishing role [reflections]. *IEEE Spectrum*, 35(5):21, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1998:JCR

[Luc98c] R. W. Lucky. Job churn [reflections]. *IEEE Spectrum*, 35(11):17, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1998:LIM

[Luc98d] R. W. Lucky. Life in the interrupt mode [reflections]. *IEEE Spectrum*, 35(3):25, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1998:MLR

[Luc98e] R. W. Lucky. Moore's Law redux [reflections]. *IEEE Spectrum*, 35(9):17, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1998:WAP

[Luc98f] R. W. Lucky. The world according to power point [reflections]. *IEEE Spectrum*, 35(1):17, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Lucky:1999:DPR

[Luc99a] R. W. Lucky. Design for people — NOT [reflections]. *IEEE Spectrum*, 36(7):20–21, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Luc99b] **Lucky:1999:FSR** R. W. Lucky. Free software [reflections]. *IEEE Spectrum*, 36(5):24, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [LY96]
- [Luc99c] **Lucky:1999:IAR** R. W. Lucky. Information addiction [reflections]. *IEEE Spectrum*, 36(9):32, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Lyn93]
- [Luc99d] **Lucky:1999:Ra** R. W. Lucky. Reflections. *IEEE Spectrum*, 36(1):24, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Lys94]
- [Luc99e] **Lucky:1999:Rb** R. W. Lucky. Reflections. *IEEE Spectrum*, 36(3):19, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [MA99]
- [Luc99f] **Lucky:1999:SPR** R. W. Lucky. Special places [reflections]. *IEEE Spectrum*, 36(11):27, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Mac91]
- Li:1996:ETB** Ping-Chung Li and T. K. Young. Electromigration: the time bomb in deep-submicron ICs. *IEEE Spectrum*, 33(9):75–78, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Lynch:1993:CCE** D. Lynch. The Calstart consortium (electric vehicle industry). *IEEE Spectrum*, 30(7):54–57, July 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Lysen:1994:PV** E. H. Lysen. Photovoltaics for villages. *IEEE Spectrum*, 31(10):34–39, October 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Mountford:1999:KLP** J. D. Mountford and R. R. Austria. Keeping the lights on [power system reliability]. *IEEE Spectrum*, 36(6):34–39, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Maccoby:1991:IMW** M. Maccoby. The innovative mind at work. *IEEE Spectrum*, 28(12):23–35, December 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Mac98] **Mackail:1998:RSB**
L. Mackail. Recipes for success (book review). *IEEE Spectrum*, 35(1):11, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Mar96]
- [Mag97] **Magee:1997:EEI**
S. Magee. The environment [electronics industry aspects]. *IEEE Spectrum*, 34(1):94–98, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Mar97a]
- [Mak94] **Makukatin:1994:WAS**
S. Makukatin. Water from the African sun. *IEEE Spectrum*, 31(10):40–43, October 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Mar97b]
- [Mal93] **Malozemoff:1993:ATE**
A. P. Malozemoff. Advanced technology/electromagnetism — superconducting wire gets hotter. *IEEE Spectrum*, 30(12):26–30, December 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Mar98a]
- [Mar90] **Martzloff:1990:PCS**
F. Martzloff. Protecting computer systems against power transients. *IEEE Spectrum*, 27(4):37–40, April 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Mar98b]
- Martin:1996:TTD**
C. D. Martin. Three takes on the digital age, book reviews. *IEEE Spectrum*, 33(1):10–116T2, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Martin:1997:MEH**
C. D. Martin. The media equation: How people treat computers, television and new media like real people and places [book review]. *IEEE Spectrum*, 34(3):9–10, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Martin:1997:SV**
C. D. Martin. Single vision. *IEEE Spectrum*, 34(11):15–16, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Marcopulos:1998:FBC**
T. Marcopulos. Faster, better, cheaper space exploration. *IEEE Spectrum*, 35(8):68–74, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Marcus:1998:CER**
S. J. Marcus. Consorting with the enemy, R&D-wise. *IEEE Spectrum*, 35(9):

64–70, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Marcus:1998:GIR

[Mar98c]

S. J. Marcus. Grand illusion: the risks of Cassini [nuclear space power]. *IEEE Spectrum*, 35(3):58–65, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Marcus:1998:WDA

[Mar98d]

S. J. Marcus. What to do about bolts from the blue. *IEEE Spectrum*, 35(12):34–41, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Marcus:1998:WM

[Mar98e]

S. J. Marcus. Woe is mir. *IEEE Spectrum*, 35(6):38–44, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Martin:1999:EDA

[Mar99a]

B. Martin. Electronic design automation [1999 technology analysis and forecast]. *IEEE Spectrum*, 36(1):57–61, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Martin:1999:RYR

[Mar99b]

C. D. Martin. Reading your rights. *IEEE Spectrum*, 36(9):

16–18, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Masuoka:1990:YRN

[Mas90]

F. Masuoka. Are you ready for next-generation dynamic RAM chips? *IEEE Spectrum*, 27(11):110–112, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Masi:1995:REE

[Mas95]

C. G. Masi. Re-engineering engineering education. *IEEE Spectrum*, 32(9):44–47, September 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Masiello:1996:PSG

R. D. Masiello. It's put up or shut up for grid controls. *IEEE Spectrum*, 33(8):50–51, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Masi:1998:TMT

[Mas98]

C. G. Masi. Test measurement [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):79–83, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Masi:1999:SRO

[Mas99a]

C. C. Masi. Software reviews — one highly adaptable soft-

- ware package. *IEEE Spectrum*, 36(6):94–95, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mas99b] **Masi:1999:SSD**
C. G. Masi. Software smartens up data manipulation. *IEEE Spectrum*, 36(4):30–35, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [MAW97]
- [Mas99c] **Masi:1999:TMT**
C. G. Masi. Test and measurements [1999 technology analysis and forecast]. *IEEE Spectrum*, 36(1):92–97, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [May94]
- [Mat90] **Mather:1990:NDS**
B. C. Mather. Needed DSP software emerges. *IEEE Spectrum*, 27(11):52–59, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [MC90]
- [Mat91] **Mather:1991:ED**
B. G. Mather. Embedding DSP. *IEEE Spectrum*, 28(11):52–55, November 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [MC94]
- [Mau94] **Maunder:1994:DT**
C. Maunder. Documentation on tap. *IEEE Spectrum*, 31(9):52–56, September 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Mehta:1997:TTS]
- S. P. Mehta, N. Aversa, and M. S. Walker. Transforming transformers [superconducting windings]. *IEEE Spectrum*, 34(7):43–49, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [May:1994:MIN]
G. S. May. Manufacturing ICs the neural way. *IEEE Spectrum*, 31(9):47–51, September 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Morreale:1990:MAN]
P. A. Morreale and G. M. Campbell. Metropolitan-area networks. *IEEE Spectrum*, 27(5):40–42, May 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mackey:1994:MSS]
W. A. Mackey and J. C. Carter. Measure the steps to success [concurrent engineering]. *IEEE Spectrum*, 31(6):33–38, June 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [McA98] **McAdoo:1998:CSN** M. McAdoo. Companies steer new K-12 courses [education]. *IEEE Spectrum*, 35(4):27-33, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mec95] **Mecham:1995:STS** M. Mecham. To the skies through the sea [Hong Kong airport project]. *IEEE Spectrum*, 32(10):40-43, October 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [McC92] **McCracken:1992:CDT** W. P. McCracken. CCDing in the dark (thermal imaging sensors). *IEEE Spectrum*, 29(5):30-34, May 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mem97] **Memon:1997:DCE** N. Memon. Digital compression exegesis, straight from the apostles. *IEEE Spectrum*, 34(9):18-19, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [McC97] **McChesney:1997:BCI** M. C. McChesney. Banking in cyberspace: an investment in itself. *IEEE Spectrum*, 34(2):54-59, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mem98] **Memon:1998:VSC** N. Memon. A video standards compendium [books]. *IEEE Spectrum*, 35(4):14-15, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [McM96] **McMillan:1996:VCC** K. McMillan. Verifying cache coherence protocols. *IEEE Spectrum*, 33(6):67, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mes98] **Meserve:1998:SCB** R. A. Meserve. Science in the courts [books]. *IEEE Spectrum*, 35(6):10-16, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [McT96] **McTavish:1996:ECC** D. McTavish. Equivalence checking at Cray Research. *IEEE Spectrum*, 33(6):71, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [MF97] **Metcalfe:1997:WWB** B. Metcalfe and K. Foster. Winning with Wintel business strategies. *IEEE Spectrum*, 34(5):7-12, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [MH98] **McMichael:1998:RB**
F. C. McMichael and C. Henderson. Recycling batteries. *IEEE Spectrum*, 35(2):35–42, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mil94a] **Miller:1994:HA**
A. Miller. From here to ATM. *IEEE Spectrum*, 31(6):20–24, June 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mil94b] **Miller:1994:VSI**
B. Miller. Vital signs of identity [biometrics]. *IEEE Spectrum*, 31(2):22–30, February 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mil98a] **Miller:1998:SFM**
B. Miller. Satellites free the mobile phone. *IEEE Spectrum*, 35(3):26–35, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mil98b] **Miller:1998:AT**
P. Miller. Art technology. *IEEE Spectrum*, 35(7):19, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mil98c] **Miller:1998:ECB**
P. Miller. The engineer as catalyst: Billy Kluver on working with artists. *IEEE Spectrum*, 35(7):20–29, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mil98d] **Miller:1998:TAS**
P. Miller. Technology for art’s sake. *IEEE Spectrum*, 35(7):30–37, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mil98e] **Miller:1998:WSa**
P. Miller. Web sights. *IEEE Spectrum*, 35(2):81, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mil98f] **Miller:1998:WSb**
P. Miller. Web sights. *IEEE Spectrum*, 35(6):94–95, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mil98g] **Miller:1998:WSc**
P. Miller. Web sights. *IEEE Spectrum*, 35(10):80, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mil99a] **Miller:1999:CE**
P. Miller. Consumer electronics. *IEEE Spectrum*, 36(1):41–45, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Mil99b] P. Miller. Web sights. *IEEE Spectrum*, 36(11):84, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mir97] P. Miller. Web sights. *IEEE Spectrum*, 36(11):84, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mir95] Mark Mirotznik. How to chart and graph like a pro. *IEEE Spectrum*, 32(12):58-??, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mir96a] Mark S. Mirotznik. Affordable electromagnetics solver [software reviews]. *IEEE Spectrum*, 33(10):63-64, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mir96b] Mark S. Mirotznik. Tools for schools [mathematical software packages]. *IEEE Spectrum*, 33(9):41-45, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mir96c] Mark S. Mirotznik. Translating Matlab programs into C code [software reviews]. *IEEE Spectrum*, 33(2):63-64, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mir98] Mark Mirotznik. Conformal EM analysis [software reviews]. *IEEE Spectrum*, 35(4):84-85, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mir99a] Mark S. Mirotznik. Bringing Maxwell's equations to heel [software reviews]. *IEEE Spectrum*, 36(8):82-84, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Mir99b] Mark S. Mirotznik. Software reviews. *IEEE Spectrum*, 36(2):64, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [MK90] K. Mori and T. Kawada. From kana to kanji: word processing in Japan. *IEEE Spectrum*, 27(8):46-48, August 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Miller:1999:WS**
- Mirotznik:1995:HCG**
- Mirotznik:1996:AES**
- Mirotznik:1996:TSM**
- Mirotznik:1996:TMP**
- Mirotznik:1997:MCT**
- Mirotznik:1998:CEA**
- Mirotznik:1999:BME**
- Mirotznik:1999:SR**
- Mori:1990:KKW**

- [MM98] **Morgan:1998:BTB** M. G. Morgan and M. G. Morgan. Bigger than ‘the bomb’ [books]. *IEEE Spectrum*, 35(8):8–10, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Mor97a]
- [MN90] **Morgan:1990:EFJ** M. G. Morgan and I. Nair. Electromagnetic fields: the jury’s still out. 3. Managing the risks. *IEEE Spectrum*, 27(8):32–35, August 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Mor97b]
- [Mog93] **Mogal:1993:WM** J. Mogal. Workstation metrics. *IEEE Spectrum*, 30(5):50–52, May 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Mor97c]
- [Mor91] **Mora:1991:SNL** J. Mora. A streetcar named light rail. *IEEE Spectrum*, 28(2):54–56, February 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Mor97d]
- [Mor96] **Morgan:1996:MPP** M. G. Morgan. Misdirected policy prescription. *IEEE Spectrum*, 33(4):11–82T4, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Mor98a]
- Morgan:1997:SBG** M. G. Morgan. The science behind global change. *IEEE Spectrum*, 34(10):14, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Morgan:1997:S** M. G. Morgan. Speakout. *IEEE Spectrum*, 34(12):59–60, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Morris:1997:CPT** S. E. Morris. Crime and prevention: a Treasury viewpoint. *IEEE Spectrum*, 34(2):38–39, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Morse:1997:ME** W. Morse. Medical electronics. *IEEE Spectrum*, 34(1):99–102, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Morgan:1998:EWS** G. Morgan. An EE who swayed the world: review of *Endless Frontier: Vannevar Bush, Engineer of the American Century*. Zachary, G. Pascal, The Free Press, New York, 1997, 518 pp., \$32.50. *IEEE Spectrum*, 35(3):10–12, March

1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Mos97]
- [Mor98b] P. Morreale. Agents on the move [mobile software agents]. *IEEE Spectrum*, 35(4):34-41, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [MP97]
- [Mor99a] M. G. Morgan. Book review: *Pasteur's Quadrant: Basic Science And Technological Innovation*. *IEEE Spectrum*, 36(1):12-13, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [MT92]
- [Mor99b] M. G. Morgan. A new science policy classic [book reviews]. *IEEE Spectrum*, 36(6):16-22, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [MT96]
- [Mos96] J. Moskun. Viewpoint: Improving software quality requires a 'check early, check often' approach. *IEEE Spectrum*, 33(1):63, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Mosher:1997:GPB**
- D. E. Mosher. The grand plans [ballistic missile defense]. *IEEE Spectrum*, 34(9):28-39, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Mirotznik:1997:HCE**
- Mark S. Mirotznik and D. Prather. How to choose electromagnetic software. *IEEE Spectrum*, 34(12):53-58, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Maunder:1992:TT**
- C. M. Maunder and R. E. Tulloss. Testability on TAP. *IEEE Spectrum*, 29(2):34-37, February 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Morgan:1996:NRN**
- M. G. Morgan and S. Talukdar. Nurturing R&D in the new electric power regime. *IEEE Spectrum*, 33(7):32-33, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Munn:1996:MTS**
- W. Munn. More than significant others-much more [books]. *IEEE Spectrum*, 33(12):10-13, December 1996.

CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Murphy:1990:ADT

- [Mur90a] E. E. Murphy. Applications '90: design tools. *IEEE Spectrum*, 27(2):34–36, February 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Mur96]

Murphy:1990:RCD

- [Mur90b] E. E. Murphy. Reconciling conflicting design-automation standards. *IEEE Spectrum*, 27(3):44–45, March 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [MV90]

Murphy:1990:SRA

- [Mur90c] E. E. Murphy. Software R&D: from an art to a science. *IEEE Spectrum*, 27(10):44–46, October 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [MVJ96]

Murphy:1990:TT

- [Mur90d] E. E. Murphy. Technology '90: transportation. *IEEE Spectrum*, 27(1):47–48, January 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [MW96]

Murphy:1990:T

- [Mur90e] E. E. Murphy. Transportation. *IEEE Spectrum*, 27(6):26–28, June 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [MWP97]

9235 (print), 1939-9340 (electronic).

Murphy:1996:TPP

J. Murphy. Ten points to ponder in picking an oscilloscope. *IEEE Spectrum*, 33(7):69–73, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Murphy:1990:TSS

E. E. Murphy and J. Voelcker. Technology '90: systems software. *IEEE Spectrum*, 27(1):38–40, January 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Moore:1996:VV

Carl E. Moore, Alfred Von Smolinski, and Bruno Jaselskis. Volta as voltmeter. *IEEE Spectrum*, 33(3):38–41, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Morgan:1996:SDU

M. G. Morgan and R. M. White. Speakout, dismantling the U.S. technology infrastructure. *IEEE Spectrum*, 33(1):22–24, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Magin:1997:MMR

R. L. Magin, A. G. Webb, and T. L. Peck. Miniature magnetic resonance machines.

IEEE Spectrum, 34(10):51–61, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Nahin:1991:BLT

[Nah91] Paul J. Nahin. Behind the Laplace transform. *IEEE Spectrum*, 28(3):60, March 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Nahin:1992:MGU

[Nah92] Paul J. Nahin. Maxwell's grand unification. *IEEE Spectrum*, 29(3):45, March 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Natarajan:1995:VST

[Nat95] K. Natarajan. Video servers take root. *IEEE Spectrum*, 32(4):66–69, April 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Ng:1992:MFC

[Ng92] R. Ng. Memory — fast computer memories. *IEEE Spectrum*, 29(10):36–39, October 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Nagle:1998:HWE

[NGOS98] H. T. Nagle, R. Gutierrez-Osuna, and S. S. Schiffman. The how and why of electronic noses. *IEEE Spectrum*, 35(9):

22–31, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Ninomiya:1995:JSD

[Nin95] Y. Ninomiya. The Japanese scene [digital HDTV]. *IEEE Spectrum*, 32(4):54–57, April 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Nair:1990:EFJ

[NM90] I. Nair and G. Morgan. Electromagnetic fields: the jury's still out. 1. Biological effects. *IEEE Spectrum*, 27(8):23–27, August 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Normann:1996:CIB

[NMGW96] R. A. Normann, E. M. Maynard, K. S. Guillory, and D. J. Warren. Cortical implants for the blind. *IEEE Spectrum*, 33(5):54–59, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Noah:1997:RAT

[Noa97] J. O. Noah. A rational approach to testing MPEG-2. *IEEE Spectrum*, 34(5):67–72, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Nor95] **Norris:1995:BSW**
G. Norris. Boeing's seventh wonder. *IEEE Spectrum*, 32(10):20–23, October 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Nor99] **Norman:1999:BRT**
D. A. Norman. Backing the right technical horse. *IEEE Spectrum*, 36(2):57–61, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [NP90] **Nickerson:1990:TMC**
R. S. Nickerson and R. W. Pew. Toward more compatible human-computer interfaces. *IEEE Spectrum*, 27(7):40–43, July 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Obe95] **Oberg:1995:RSP**
J. Oberg. Russia space program. *IEEE Spectrum*, 32(12):18–35, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Obe97] **Oberg:1997:FF**
J. Oberg. Faults failures. *IEEE Spectrum*, 34(8):17, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Obe98] **Oberg:1998:SML**
J. Oberg. Shuttle–Mir's lessons for the International Space Station. *IEEE Spectrum*, 35(6):28–37, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Obe99a] **Oberc:1999:SD**
J. Oberc. Spying for dummies. *IEEE Spectrum*, 36(11):62–69, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Obe99b] **Oberg:1999:MAN**
J. Oberg. Missiles for all: the new global threat. *IEEE Spectrum*, 36(3):20–28, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Obe99c] **Oberg:1999:URS**
J. Oberg. The U.S.–Russian space relationship: symbolism at any cost? *IEEE Spectrum*, 36(7):74–81, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Obe99d] **Oberg:1999:WMP**
J. Oberg. Why the Mars probe went off course [accident investigation]. *IEEE Spectrum*, 36(12):34–39, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Oli99] **Oliphant:1999:MPM**
M. W. Oliphant. The mobile phone meets the Internet. *IEEE Spectrum*, 36(8):20–28, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ove97] **Overly:1997:NWS**
M. R. Overly. Negotiating a Web site agreement. *IEEE Spectrum*, 34(5):60–66, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [PA91] **Perry:1991:ATCb**
Tekla S. Perry and J. A. Adam. Air traffic control: expert observers define top priorities to ensure safe and accessible skies. *IEEE Spectrum*, 28(2):33–36, February 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [PA92] **Perry:1992:EMMa**
Tekla S. Perry and J. A. Adam. Electronic mail — E-mail: pervasive and persuasive. *IEEE Spectrum*, 29(10):22–23, October 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [PA97] **Proctor:1997:OAC**
F. M. Proctor and J. S. Albus. Open architecture controllers. *IEEE Spectrum*, 34(6):60–64, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Pac99] **Packer:1999:SRB**
R. Packer. Software review — breezy DSP designs. *IEEE Spectrum*, 36(6):95–97, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Pad98] **Padgett:1998:SR**
W. T. Padgett. Software reviews. *IEEE Spectrum*, 35(8):75, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Pan97] **Panofsky:1997:DDE**
W. K. H. Panofsky. Degrees of defense effectiveness. *IEEE Spectrum*, 34(11):74–75, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Par96] **Partridge:1996:VSA**
C. Partridge. Viewpoint: Staying ahead of the elephants. *IEEE Spectrum*, 33(1):36–37, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Par97] **Paradiso:1997:EMN**
J. A. Paradiso. Electronic music: new ways to play. *IEEE Spectrum*, 34(12):18–30, December 1997. CO-

DEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Passino:1995:ICA

[Pas95]

K. M. Passino. Intelligent control for autonomous systems. *IEEE Spectrum*, 32(6):55–62, June 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Poggio:1996:LS

[PB96]

T. Poggio and D. Beymer. Learning to see. *IEEE Spectrum*, 33(5):60–69, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Paul:1998:SCS

[PC98]

W. Paul and M. Chen. Superconducting control for surge currents. *IEEE Spectrum*, 35(5):49–54, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Peleeger:1997:LTL

[Pel97]

S. L. Peleeger. Love them or leave them? *IEEE Spectrum*, 34(11):14–15, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Pensak:1999:QVH

[Pen99]

D. Pensak. Quality visualization for the hierarchical data format [software reviews]. *IEEE Spectrum*, 36

(8):80, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1990:BEA

[Per90a]

Tekla S. Perry. Biomechanically engineered athletes. *IEEE Spectrum*, 27(4):43–44, April 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1990:CE

[Per90b]

Tekla S. Perry. Consumer electronics. *IEEE Spectrum*, 27(6):33–34, June 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1990:TPT

[Per90c]

Tekla S. Perry. Teamwork plus technology cuts development time. *IEEE Spectrum*, 27(10):61–67, October 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1990:TCP

[Per90d]

Tekla S. Perry. Telephone challenges: a plethora of services. *IEEE Spectrum*, 27(7):25–28, July 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1990:WEM

[Per90e]

Tekla S. Perry. When East meets West (management

- problems). *IEEE Spectrum*, 27 (8):53–55, August 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Per93a]
- Perry:1991:ATCa**
- [Per91] Tekla S. Perry. Air traffic control: a system-wide upgrade races to replace two-decade-old equipment. *IEEE Spectrum*, 28(2):22–27, February 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Per93b]
- Perry:1992:EMMb**
- [Per92a] Tekla S. Perry. Electronic mail — E-mail at work. *IEEE Spectrum*, 29(10):24–28, October 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Per94a]
- Perry:1992:EMF**
- [Per92b] Tekla S. Perry. Electronic mail — forces for social change. *IEEE Spectrum*, 29(10):30–32, October 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Per94b]
- Perry:1992:EP**
- [Per92c] Tekla S. Perry. Engineers in profile. *IEEE Spectrum*, 29(12):29–36, December 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Per94c]
- Perry:1993:CEI**
- Tekla S. Perry. Cleaning (electronics industry safety). *IEEE Spectrum*, 30(2):20–26, February 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Perry:1993:EMW**
- Tekla S. Perry. Environment — modeling the world’s climate. *IEEE Spectrum*, 30(7):33–37, July 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Perry:1994:CE**
- Tekla S. Perry. Consumer electronics. *IEEE Spectrum*, 31(1):30–34, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Perry:1994:EBE**
- Tekla S. Perry. EEs in the boardroom [electrical engineers]. *IEEE Spectrum*, 31(4):20–24, April 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Perry:1994:GR**
- Tekla S. Perry. ‘Green’ refrigerators. *IEEE Spectrum*, 31(8):25–30, August 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1994:MHJ

- [Per94d] Tekla S. Perry. Marcian E. Hoff, Jr. *IEEE Spectrum*, 31(2):46–49, February 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1994:ME

- [Per94e] Tekla S. Perry. The media event. *IEEE Spectrum*, 31(1):21, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1994:TVM

- [Per94f] Tekla S. Perry. Today's view of magnetic fields. *IEEE Spectrum*, 31(12):14–23, December 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1995:CE

- [Per95a] Tekla S. Perry. Consumer electronics. *IEEE Spectrum*, 32(1):40–43, January 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1995:EER

- [Per95b] Tekla S. Perry. The environment [energy/resource conservation]. *IEEE Spectrum*, 32(1):60–61, January 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1995:HND

- [Per95c] Tekla S. Perry. HDTV and the new digital television. *IEEE Spectrum*, 32(4):34–35, April 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1995:LZF

- [Per95d] Tekla S. Perry. Lotfi A. Zadeh [fuzzy logic inventor biography]. *IEEE Spectrum*, 32(6):32–35, June 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1995:MGC

- [Per95e] Tekla S. Perry. M. George Craford [biography]. *IEEE Spectrum*, 32(2):52–55, February 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1996:TTI

- [Per96] Tekla S. Perry. The trials and travails of interactive TV. *IEEE Spectrum*, 33(4):22–28, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Perry:1997:CE

- [Per97a] Tekla S. Perry. Consumer electronics. *IEEE Spectrum*, 34(1):43–48, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Per97b] **Perry:1997:EMT** Tekla S. Perry. Electronic money: Toward a virtual wallet. *IEEE Spectrum*, 34(2):18–19, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Per97c] **Perry:1997:SFA** Tekla S. Perry. In search of the future of air traffic control. *IEEE Spectrum*, 34(8):18–35, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Per98a] **Perry:1998:DPE** T. Perry. Donald O. Pederson [electronic engineering biography]. *IEEE Spectrum*, 35(6):22–27, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Per98b] **Perry:1998:CET** Tekla S. Perry. Consumer electronics [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):57–61, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Per99a] **Perry:1999:CY** Tekla S. Perry. Checking up on y2k. *IEEE Spectrum*, 36(7):61–70, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Per99b] **Perry:1999:HS** Tekla S. Perry. Henry Samuelli. *IEEE Spectrum*, 36(9):70–75, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Pet95] **Pettersson:1995:ICC** G. Pettersson. ISDN: from custom to commodity service. *IEEE Spectrum*, 32(6):26–31, June 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [PF96] **Piedra:1996:DSP** R. M. Piedra and A. Fritsch. Digital signal processing comes of age. *IEEE Spectrum*, 33(5):70–74, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Pf92] **Pfleeger:1992:MSR** S. L. Pfleeger. Measuring software reliability. *IEEE Spectrum*, 29(8):56–60, August 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Pf96] **Pfleeger:1996:MSD** S. L. Pfleeger. Managing software development [book review]. *IEEE Spectrum*, 33(8):11, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [PG96] **Perry:1996:DPE**
 Tekla S. Perry and L. Gepert. Do portable electronics endanger flight? The evidence mounts. *IEEE Spectrum*, 33(9):26–33, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Phi98] **Phillips:1998:TTA**
 D. Phillips. Transportation [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):84–89, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Pic95] **Pickover:1995:EIR**
 C. A. Pickover. Exploring infinite realms. *IEEE Spectrum*, 32(11):58–60, November 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Pix96] **Pixley:1996:DCF**
 C. Pixley. Debugging a cache flush unit. *IEEE Spectrum*, 33(6):63, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [PM98] **Picraux:1998:BSI**
 S. T. Picraux and P. J. McWhorter. The broad sweep of integrated microsystems. *IEEE Spectrum*, 35(12):24–33, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Pow96] **Powers:1996:PW**
 C. B. Powers. Preparing for the worst. *IEEE Spectrum*, 33(12):49–54, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [PP93] **Pennino:1993:DM**
 T. P. Pennino and J. Potechin. Design for manufacture. *IEEE Spectrum*, 30(9):51–53, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [PR92] **Perso:1992:CEP**
 H. Persoz and J. Remondeulaz. Consolidating European power. *IEEE Spectrum*, 29(10):62–65, October 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Pra94] **Pradhan:1994:TLP**
 B. D. Pradhan. Telecommunications: at least a phone in every village. *IEEE Spectrum*, 31(3):43–47, March 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Pri94] **Prince:1994:MFL**
 B. Prince. Memory in the fast lane. *IEEE Spectrum*, 31(2):38–41, February 1994. CODEN IEESAM. ISSN 0018-

9235 (print), 1939-9340 (electronic).

Prince:1992:IGV

- [PS92] B. Prince and R. H. W. Salters. ICs going on a 3-V diet. *IEEE Spectrum*, 29(5):22–25, May 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Rau93]

Peterson:1998:PER

- [PS98] J. Peterson and M. Sharp. Pan European R&D: a perspective. *IEEE Spectrum*, 35(10):54–59, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [RDK90]

Radford:1996:SSD

- [Rad96] D. Radford. Spread spectrum data leap through AC power wiring. *IEEE Spectrum*, 33(11):48–53, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Rec92]

Raji:1994:SNC

- [Raj94] R. S. Raji. Smart networks for control. *IEEE Spectrum*, 31(6):49–55, June 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Rec97]

Ramamoorthy:1994:EPG

- [Ram94] M. Ramamoorthy. Electric power: a government priority. *IEEE Spectrum*, 31(3):

51–52, March 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Rauch:1993:LRE

J. G. Rauch. The law on reverse engineering. *IEEE Spectrum*, 30(8):47–48, August 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Rush:1990:CHS

K. Rush, S. Draving, and J. Kerley. Characterizing high-speed oscilloscopes. *IEEE Spectrum*, 27(9):38–39, September 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Rechtin:1992:ASA

E. Rechtin. The art of systems architecting. *IEEE Spectrum*, 29(10):66–69, October 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Rechtin:1997:SCS

E. Rechtin. The synthesis of complex systems. *IEEE Spectrum*, 34(7):50–55, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Reinhart:1992:B

E. E. Reinhart. Broadcasting. *IEEE Spectrum*, 29(2):

- 24–26, February 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rei92b] **Reinhart:1992:MC** [Rho96]
F. E. Reinhart. Mobile communications. *IEEE Spectrum*, 29(2):27–29, February 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [RGG⁺92] **Riezenman:1992:CCE** [Ric92]
M. J. Riezenman, J. S. Gansler, J. J. Guarrera, H. Gracon, G. L. Brown, D. L. Schilling, E. B. Woollen, R. J. Polutchoko, and R. F. Rogers. The courage to convert (engineers). *IEEE Spectrum*, 29(12):62–68, December 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [RGH90] **Rouse:1990:CAF**
W. B. Rouse, N. D. Geddes, and J. M. Hammer. Computer-aided fighter pilots. *IEEE Spectrum*, 27(3):38–41, March 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [RH97] **Riordan:1997:OPJ** [Rie91a]
Michael Riordan and Lillian Hoddeson. The origins of the pn junction. *IEEE Spectrum*, 34(6):46–51, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Rhodes:1996:DLA**
D. L. Rhodes. A design language for analog circuits. *IEEE Spectrum*, 33(10):43–48, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Richards:1992:DHT**
S. Richards. Diversity in the high-tech workplace: making engineers feel at home. *IEEE Spectrum*, 29(6):29–30, June 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Riddle:1994:MPT**
[Rid94] A. Riddle. Mathematical power tools. *IEEE Spectrum*, 31(11):35–38, November 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Riddle:1998:TIS** [Rid98]
A. N. Riddle. A truly interactive spice tool. *IEEE Spectrum*, 35(4):84, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Riezenman:1991:GLR**
M. Riezenman. Gulf legacy: revising the script after Patriot. *IEEE Spectrum*, 28(9):49–52, September 1991. CODEN IEESAM. ISSN 0018-

9235 (print), 1939-9340 (electronic).

Riezenman:1991:WCC

[Rie91b] M. J. Riezenman. Wanlass's CMOS circuit. *IEEE Spectrum*, 28(5):44, May 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Riezenman:1992:EV

[Rie92a] M. J. Riezenman. Electric vehicles. *IEEE Spectrum*, 29(11):18-21, November 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Riezenman:1992:EVP

[Rie92b] M. J. Riezenman. Electric vehicles — pursuing efficiency. *IEEE Spectrum*, 29(11):22-24, November 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Riezenman:1992:EVA

[Rie92c] M. J. Riezenman. Electric vehicles-architecting the system. *IEEE Spectrum*, 29(11):94-96, November 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Riezenman:1992:EVG

[Rie92d] M. J. Riezenman. Electric vehicles-the great battery barrier. *IEEE Spectrum*, 29(11):97-101, November 1992. CODEN IEESAM. ISSN 0018-

9235 (print), 1939-9340 (electronic).

Riezenman:1992:TTM

[Rie92e] M. J. Riezenman. Technology 1992 — test and measurement. *IEEE Spectrum*, 29(1):45-46, January 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Riezenman:1993:ESE

[Rie93] M. J. Riezenman. Engineering software — efficient data acquisition. *IEEE Spectrum*, 30(11):76-84, November 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Riezenman:1994:TM

[Rie94] M. J. Riezenman. Test and measurement. *IEEE Spectrum*, 31(1):54-57, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Riezenman:1995:SBB

[Rie95a] M. J. Riezenman. The search for better batteries. *IEEE Spectrum*, 32(5):51-56, May 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Riezenman:1995:TM

[Rie95b] M. J. Riezenman. Test and measurement. *IEEE Spectrum*, 32(1):52-55, January 1995. CODEN IEESAM.

- ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie96a] M. J. Riezenman. EEs' tools toys. *IEEE Spectrum*, 33(1):119–121, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie96b] M. J. Riezenman. EEs' tools toys. *IEEE Spectrum*, 33(3):69–70, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie96c] M. J. Riezenman. EEs' tools toys. *IEEE Spectrum*, 33(11):81–84, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie96d] M. J. Riezenman. Tests and measurement. *IEEE Spectrum*, 33(1):65–69, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie97a] M. J. Riezenman. EEs' tools toys. *IEEE Spectrum*, 34(1):106–110, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie97b] M. J. Riezenman. EEs' tools toys. *IEEE Spectrum*, 34(3):75–76, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie97c] M. J. Riezenman. EEs' tools toys. *IEEE Spectrum*, 34(4):53–56, April 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie97d] M. J. Riezenman. EEs' tools toys. *IEEE Spectrum*, 34(5):73–76, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie97e] M. J. Riezenman. EEs' tools toys. *IEEE Spectrum*, 34(6):73–75, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie97f] M. J. Riezenman. EEs' tools toys. *IEEE Spectrum*, 34(7):76, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Rie97g] **Riezenman:1997:ETTg**
M. J. Riezenman. Ees' tools toys. *IEEE Spectrum*, 34(8):78–80, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie97h] **Riezenman:1997:ETTh**
M. J. Riezenman. EEs' tools toys. *IEEE Spectrum*, 34(12):61–64, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie97i] **Riezenman:1997:EWa**
M. J. Riezenman. EV watch. *IEEE Spectrum*, 34(3):77–78, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie97j] **Riezenman:1997:EWb**
M. J. Riezenman. EV watch. *IEEE Spectrum*, 34(6):68, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie97k] **Riezenman:1997:EWc**
M. J. Riezenman. EV watch. *IEEE Spectrum*, 34(9):24, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie97l] **Riezenman:1997:EWd**
M. J. Riezenman. EV watch. *IEEE Spectrum*, 34(12):68–70, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie98a] **Riezenman:1998:ETT**
M. J. Riezenman. EEs' tools toys. *IEEE Spectrum*, 35(1):106–107, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie98b] **Riezenman:1998:EEF**
M. J. Riezenman. Engineering the EV future. *IEEE Spectrum*, 35(11):18–20, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie98c] **Riezenman:1998:EWa**
M. J. Riezenman. EV watch. *IEEE Spectrum*, 35(6):93, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie98d] **Riezenman:1998:EWb**
M. J. Riezenman. EV watch. *IEEE Spectrum*, 35(9):19–20, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie98e] **Riezenmann:1998:CTA**
M. J. Riezenmann. Communications [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):29–36, January 1998. CODEN IEESAM.

- ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie99a] **Riezenman:1999:EWa**
M. J. Riezenman. EV watch. *IEEE Spectrum*, 36(6):89–90, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie99b] **Riezenman:1999:EWb**
M. J. Riezenman. EV watch. *IEEE Spectrum*, 36(9):100, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rie99c] **Riezenman:1999:EWc**
M. J. Riezenman. EV watch. *IEEE Spectrum*, 36(12):112–114, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Riv95] **Rivera:1995:TA**
C. Rivera. Technology for all. *IEEE Spectrum*, 32(12):8–??, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [RKGB92] **Ralston:1992:CS**
R. W. Ralston, M. A. Kastner, W. J. Gallagher, and B. Batlogg. Cooperating on superconductivity. *IEEE Spectrum*, 29(8):50–55, August 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [RLH93] **Rush:1993:TWC**
K. Rush and T. Lucero-Hall. Two ways to catch a wave (oscilloscopes). *IEEE Spectrum*, 30(2):38–41, February 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [RMAA91] **Rachowitz:1991:GEW**
B. I. Rachowitz, R. K. Maue, N. P. Angrisano, and B. Abramson. A guide to engineering workstations: using workstations efficiently. *IEEE Spectrum*, 28(4):38–40, April 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [RN97] **Rahman:1997:HCC**
M. M. Rahman and M. Nassi. High capacity cable’s role in once and future grids. *IEEE Spectrum*, 34(7):31–35, July 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rob92] **Robison:1992:EST**
R. W. Robison. Engineering software — tools for embedding DSP. *IEEE Spectrum*, 29(11):81–82, November 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rob95] **Robison:1995:TTK**
R. Robison. The twin towers of Kuala Lumpur. *IEEE*

- Spectrum*, 32(10):44–47, October 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Rod99]
- Robinson:1997:BRF**
- [Rob97] W. A. Robinson. Book review: *Forecasting the Next Century's Weather* [books]. *IEEE Spectrum*, 34(1):10–14, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Roe97]
- Robinson:1999:GYS**
- [Rob99] W. A. Robinson. *Greenhouse: The 200-Year story of global warming*, Christianson, Gale E., Walker & Co., New York, 1999, 303 pp., ISBN 0-8027-1346-7, \$25 [book review]. *IEEE Spectrum*, 36(11):16–17, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ros91a]
- Rockwell:1997:ISS**
- [Roc97] R. Rockwell. An infrastructure for social software. *IEEE Spectrum*, 34(3):26–31, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ros91b]
- Rodrigo:1998:RLH**
- [Rod98] G. C. Rodrigo. A revisionist look at hits and flops. *IEEE Spectrum*, 35(9):12, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Ros91c]
- Rodrigo:1999:SCE**
- G. C. Rodrigo. Software as Capitol: an economic perspective on software engineering [book review]. *IEEE Spectrum*, 36(4):14–16, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Roehle:1997:CDF**
- B. Roehle. Channeling the data flood. *IEEE Spectrum*, 34(3):32–38, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Rosenblatt:1991:TDC**
- A. Rosenblatt. Technology 1991: data communications. *IEEE Spectrum*, 28(1):48–51, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Rosenblatt:1991:TPW**
- A. Rosenblatt. Technology 1991: PCs and workstations. *IEEE Spectrum*, 28(1):32–35, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Rosenblatt:1991:WAH**
- A. Rosenblatt. Who's ahead in hi-tech? *IEEE Spectrum*, 28(4):22–27, April 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Ros92a] **Rosenblatt:1992:EWV**
A. Rosenblatt. Engineering workstations — what the vendors wrought. *IEEE Spectrum*, 29(4):38–42, April 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ros92b] **Rosenblatt:1992:TPW**
A. Rosenblatt. Technology 1992 — PCs and workstations. *IEEE Spectrum*, 29(1):27–29, January 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ros96] **Rosenblatt:1996:CMT**
A. Rosenblatt. Catching up with modern times [modernization of Brazil's infrastructure]. *IEEE Spectrum*, 33(6):22–28, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ros98] **Rosengren:1998:MET**
J. Rosengren. Medical electronics [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):62–66, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [RPD⁺91] **Rosenblatt:1991:FCE**
A. Rosenblatt, Tekla S. Perry, S. M. Dambrot, P. Gwynne, G. Watson, and K. Fitzgerald. Formula for competitiveness (electronics). *IEEE Spectrum*, 28(6):49–62, June 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [RS99a] **Riezenman:1999:CTA**
M. J. Riezenman and W. Sweet. Communications [technology 1999 analysis and forecast]. *IEEE Spectrum*, 36(1):29–34, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [RS99b] **Ronald:1999:S**
E. Ronald and M. Sipper. Speakout. *IEEE Spectrum*, 36(9):28–31, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [RT98] **Rogowitz:1998:DVE**
B. E. Rogowitz and L. A. Treinish. Data visualization: the end of the rainbow. *IEEE Spectrum*, 35(12):52–59, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [RTD97] **Redl:1997:PEP**
R. Redl, P. Tenti, and J. Daan van Wyk. Power electronics' polluting effects. *IEEE Spectrum*, 34(5):32–39, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [RTHM92] **Reinhart:1992:WLA**
E. E. Reinhart, R. M. Taylor, A. O. Heyward, and J. Miller. WARC's last act? *IEEE Spectrum*, 29(2):20–23, February 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [RWC91] **Reddy:1991:CED**
R. Reddy, R. T. Wood, and K. J. Cleetus. Concurrent engineering: The DARPA initiative: encouraging new industrial practices. *IEEE Spectrum*, 28(7):26–27, July 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rud96] **Rudnick:1996:PER**
H. Rudnick. Pioneering electricity reform in South America. *IEEE Spectrum*, 33(8):38–44, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rui94] **Ruiu:1994:TAS**
B. Ruiu. Testing ATM systems. *IEEE Spectrum*, 31(6):25–27, June 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Run99] **Runyon:1999:TBC**
S. Runyon. Testing big chips becomes an internal affair. *IEEE Spectrum*, 36(4):49–55, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [RW98] **Reizenman:1998:ERA**
M. J. Reizenman and V. Wouk. EVs: The road ahead. *IEEE Spectrum*, 35(12):42–51, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Rya98] **Ryan:1998:SUM**
L. Ryan. Software usage metrics for real-world software testing. *IEEE Spectrum*, 35(4):64–68, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ryd91] **Ryder:1991:MM**
J. D. Ryder. Magnetism without magnets. *IEEE Spectrum*, 28(10):28, October 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sai90] **Saito:1990:JTC**
T. Saito. Japan telecommunications at the crossroads. *IEEE Spectrum*, 27(11):126–128, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sal92] **Salters:1992:MFD**
R. H. W. Salters. Memory — fast DRAMs for sharper TV. *IEEE Spectrum*, 29(10):

40–42, October 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Santori:1990:IIR

[San90] M. Santori. An instrument that isn't really (Laboratory Virtual Instrument Engineering Workbench). *IEEE Spectrum*, 27(8):36–39, August 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Santos:1996:PCH

[San96] A. Santos. Personal computers are hot. *IEEE Spectrum*, 33(7):34–39, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sarch:1993:TDC

[Sar93] R. Sarch. Technology 1993 — data communications. *IEEE Spectrum*, 30(1):42–45, January 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sawyer:1995:BC

[Saw95] P. B. Sawyer. Basic chemistry. *IEEE Spectrum*, 32(12):8–??, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sweet:1998:CRL

[SB98a] W. Sweet and E. A. Bretz. Corporate R&D leaders reflect

on their mutual European future. *IEEE Spectrum*, 35(10):60–68, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sweet:1998:OER

[SB98b] W. Sweet and E. A. Bretz. One Europe, raring to go. *IEEE Spectrum*, 35(10):19–22, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Singh:1999:IPS

[SB99a] V. Singh and E. A. Bretz. India's power struggles. *IEEE Spectrum*, 36(11):48–56, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sweet:1999:SVI

[SB99b] W. Sweet and E. A. Bretz. Site visits illustrate advanced grid design. *IEEE Spectrum*, 36(12):64–68, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sweet:1999:TCF

[SB99c] W. Sweet and E. A. Bretz. Toward carbon free energy. *IEEE Spectrum*, 36(11):28–33, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [SC90] **Santo:1990:TSS**
 B. Santo and K. T. Chen. Technology '90: solid state (semiconductor storage). *IEEE Spectrum*, 27(1):41–43, January 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sch91] **Schmalzel:1991:DH**
 J. L. Schmalzel. Data handling. *IEEE Spectrum*, 28(11):38–42, November 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sch97] **Schaller:1997:MLP**
 R. R. Schaller. Moore's Law: past, present and future. *IEEE Spectrum*, 34(6):52–59, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [SCS91] **Socarras:1991:AXT**
 A. E. Socarras, R. S. Cooper, and W. F. Stoneycypher. Anatomy of an X terminal. *IEEE Spectrum*, 28(3):52–55, March 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [SD94] **Serapio:1994:FRU**
 M. G. Serapio and D. H. Dalton. Foreign R&D in the United States. *IEEE Spectrum*, 31(11):26–30, November 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sei99] **Seidel:1999:LC**
 R. W. Seidel. Lives of computers. *IEEE Spectrum*, 36(7):13–14, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel90] **Self:1990:DFL**
 K. Self. Designing with fuzzy logic. *IEEE Spectrum*, 27(11):42–44, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel93] **Self:1993:TSS**
 K. Self. Technology 1993 — solid state. *IEEE Spectrum*, 30(1):46–49, January 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel96a] **Self:1996:TSa**
 K. Self. Technically speaking. *IEEE Spectrum*, 33(10):17, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel96b] **Self:1996:TSb**
 K. Self. Technically speaking. *IEEE Spectrum*, 33(12):23, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Sel96c] **Self:1996:TPQ**
K. Self. Toward a postmodern, quantum-gravitational ruckus [technically speaking]. *IEEE Spectrum*, 33(8):20, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel97a] **Self:1997:TSa**
K. Self. Technically speaking. *IEEE Spectrum*, 34(4):17, April 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel97b] **Self:1997:TSb**
K. Self. Technically speaking. *IEEE Spectrum*, 34(6):17, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel97c] **Self:1997:TSc**
K. Self. Technically speaking. *IEEE Spectrum*, 34(8):15, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel97d] **Self:1997:TSd**
K. Self. Technically speaking. *IEEE Spectrum*, 34(12):17, December 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel97e] **Self:1997:TSN**
K. Self. Technically speaking: a node named Nosfer-
- atu. *IEEE Spectrum*, 34(10):18, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel98a] **Self:1998:TSa**
K. Self. Technically speaking. *IEEE Spectrum*, 35(2):17, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel98b] **Self:1998:TSb**
K. Self. Technically speaking. *IEEE Spectrum*, 35(4):17, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel98c] **Self:1998:TSc**
K. Self. Technically speaking. *IEEE Spectrum*, 35(6):21, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel98d] **Self:1998:TSd**
K. Self. Technically speaking. *IEEE Spectrum*, 35(8):13, August 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel98e] **Self:1998:TSe**
K. Self. Technically speaking. *IEEE Spectrum*, 35(10):18, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Sel98f] **Self:1998:TSf**
K. Self. Technically speaking. *IEEE Spectrum*, 35(12):17, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel99a] **Self:1999:TSa**
K. Self. Technically speaking. *IEEE Spectrum*, 36(2):17, February 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel99b] **Self:1999:TSb**
K. Self. Technically speaking. *IEEE Spectrum*, 36(4):26, April 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel99c] **Self:1999:TSc**
K. Self. Technically speaking. *IEEE Spectrum*, 36(6):27, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel99d] **Self:1999:TSD**
K. Self. Technically speaking. *IEEE Spectrum*, 36(8):18, August 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sel99e] **Self:1999:TSe**
K. Self. Technically speaking. *IEEE Spectrum*, 36(10):27, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [SH99] **Sweet:1999:CCC**
W. Sweet and M. Hood. Can China consume less coal? *IEEE Spectrum*, 36(11):39-47, November 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sha91] **Sharma:1991:GDC**
R. L. Sharma. A guide to data communications: interconnecting LANs. *IEEE Spectrum*, 28(8):32-34 37, August 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sha93] **Shapira:1993:JLA**
P. Shapira. Japan looks after the little guys (manufacturing industries). *IEEE Spectrum*, 30(9):70-73, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sha94] **Shapiro:1994:GHH**
J. Shapiro. George H. Heilmeyer. *IEEE Spectrum*, 31(6):56-59, June 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sha95] **Shapiro:1995:TA**
D. Shapiro. Technology for all. *IEEE Spectrum*, 32(12):

- 8-??, December 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Sir97]
- [Sha99] M. Shahram. Calibrating simulation tools for nanometer designs. *IEEE Spectrum*, 36(6):77-82, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [SJ93]
- [Shi91] S. G. Shina. Concurrent engineering: new rules for world-class companies. *IEEE Spectrum*, 28(7):22-26, July 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [SK92a]
- [SHM96] J. M. Soden, C. F. Hawkins, and A. C. Miller. Identifying defects in deep-submicron CMOS ICs. *IEEE Spectrum*, 33(9):66-71, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [SK92b]
- [Sin96] M. P. Singh. Agents misunderstood. *IEEE Spectrum*, 33(2):10-64, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Sky94]
- Sirbu:1997:CDI**
M. A. Sirbu. Credits and debits on the Internet. *IEEE Spectrum*, 34(2):23-29, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Strobel:1993:PPL**
R. A. Strobel and A. Johnson. Pocket pagers in lots of one CIM. *IEEE Spectrum*, 30(9):29-32, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Sabonnadiere:1992:ESC**
J.-C. Sabonnadiere and A. Konrad. Engineering software — computing EM fields. *IEEE Spectrum*, 29(11):52-54, November 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Schwartz:1992:FLF**
D. G. Schwartz and G. J. Klir. Fuzzy logic flowers in Japan. *IEEE Spectrum*, 29(7):32-35, July 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Skytte:1994:ESS**
K. Skytte. Engineering a small system. *IEEE Spectrum*, 31(3):63-65, March 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Shahram:1999:CST**
- Shina:1991:CEN**
- Soden:1996:IDD**
- Singh:1996:AM**

- [SLHM94] **Stoyenko:1994:DEU**
A. D. Stoyenko, P. A. Laplante, R. Harrison, and T. J. Marlowe. Doubling the engineer's utility. *IEEE Spectrum*, 31(12):32–39, December 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Smi93] **Stein:1997:FCB**
R. M. Stein, J. Little, G. N. Lewis, and T. A. Postol. 'Future challenges to ballistic missile defense' paints wrong picture [comments and reply]. *IEEE Spectrum*, 34(11):70–72, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). See reply [LP97b].
- [SLLP97] **Slovick:1996:TC**
M. Slovic. Table of contents. *IEEE Spectrum*, 33(7):68, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Slo96] **Smith:1992:ESM**
M. J. S. Smith. Engineering software — more logic synthesis for ASICs. *IEEE Spectrum*, 29(11):44–48, November 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Smi92a] **Smith:1992:DHT**
T. J. Smith. Diversity in the high-tech workplace: preparing for responsibility. *IEEE Spectrum*, 29(6):31, June 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Smi93] **Smith:1993:SSD**
B. Smith. Six-sigma design (quality control). *IEEE Spectrum*, 30(9):43–47, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [SOGC98] **Stempel:1998:NMH**
Robert C. Stempel, Stanford R. Ovshinsky, Paul R. Gifford, and Dennis A. Corrigan. Nickel metal hydride: ready to serve. *IEEE Spectrum*, 35(11):29–34, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Soo94] **Soota:1994:POS**
A. Soota. A partner on the other side of the globe. *IEEE Spectrum*, 31(3):34–36, March 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Sou98] **Soule:1998:PEG**
C. A. Soule. The practical engineer [give priority to heat sinks to reduce design time]. *IEEE Spectrum*, 35(2):61–66, February 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Spa97] **Spadaro:1997:TMT**
 J. Spadaro. Test and measurement [technology analysis and forecast]. *IEEE Spectrum*, 34(1):74–78, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [SS92]
- [Spi94] **Spicer:1994:BN**
 J. Spicer. Backing up the network. *IEEE Spectrum*, 31(4):66–70, April 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [SS96]
- [Spi96] **Spicer:1996:MWM**
 D. Spicer. Meeting world market requirements. *IEEE Spectrum*, 33(2):10, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [SS99]
- [SPM90] **Schilling:1990:SSG**
 D. L. Schilling, R. L. Pickholtz, and L. B. Milstein. Spread spectrum goes commercial. *IEEE Spectrum*, 27(8):40–41, August 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [SSD92]
- [SS91] **Souders:1991:CHC**
 T. M. Souders and G. N. Stenbakken. Cutting the high cost of testing. *IEEE Spectrum*, 28(3):48–51, March 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [SSH99]
- Schoch:1992:CP**
 K. F. Schoch and H. E. Saunders. Conducting polymers. *IEEE Spectrum*, 29(6):52–55, June 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Sabin:1996:QER**
 D. D. Sabin and A. Sundaram. Quality enhances reliability [power supplies]. *IEEE Spectrum*, 33(2):34–41, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Samant:1999:HRF**
 A. Samant and S. Shearman. High-resolution frequency analysis with a small data record. *IEEE Spectrum*, 36(9):82–86, September 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Simmons:1992:TBE**
 J. A. Simmons, P. A. Saillant, and S. P. Dear. Through a bat's ear. *IEEE Spectrum*, 29(3):46–48, March 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Sathbye:1999:DBL**
 J. Sathbye, J. Sinton, and T. Heller. Doing better with less energy [fuel-efficient power generation]. *IEEE Spectrum*, 36(12):42–49, December 1999. CODEN IEESAM.

ISSN 0018-9235 (print), 1939-9340 (electronic).

Schwab:1993:CE

[SSZ93]

A. J. Schwab, B. Schilli, and K. Zinser. Concurrent engineering. *IEEE Spectrum*, 30(9):56–60, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

StJohn:1992:GSR

[St.92]

Anthony N. St. John. Grounds for signal referencing (earthing). *IEEE Spectrum*, 29(6):42–45, June 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Stamen:1993:SDA

[Sta93]

J. P. Stamen. Structuring databases for analysis. *IEEE Spectrum*, 30(10):55–58, October 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sternglass:1992:FPC

[Ste92]

D. Sternglass. The future is in the PC cards. *IEEE Spectrum*, 29(6):46–50, June 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Stephenson:1993:TME

[Ste93]

J. Stephenson. Technology 1993 — medical electronics. *IEEE Spectrum*, 30(1):76–79, January 1993. CODEN IEESAM. ISSN 0018-

9235 (print), 1939-9340 (electronic).

Stevens:1996:FEC

[Ste96]

C. F. Stevens. Five equations that changed the world: the power and poetry of mathematics [books]. *IEEE Spectrum*, 33(3):11, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Stern:1998:SEI

[Ste98a]

L. Stern. Staying employed in interesting times (book review). *IEEE Spectrum*, 35(1):8, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Stevens:1998:DC

[Ste98b]

J. Stevens. DSPs in communications. *IEEE Spectrum*, 35(9):39–46, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Stern:1999:WLB

[Ste99]

L. Stern. Winning and losing, big (review of *Turbo capitalism: winners and losers in the global economy*; Luttwak, E.; 1999). *IEEE Spectrum*, 36(12):10–12, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Sti90a] Gary Stix. Americans in Paris ... (European Community). *IEEE Spectrum*, 27(6):55–56, June 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Stix:1990:APL**
- [Sti90b] Gary Stix. Technology '90: data communications. *IEEE Spectrum*, 27(1):35–37, January 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Stix:1990:TDC**
- [Sti90c] Gary Stix. Telecommunications. *IEEE Spectrum*, 27(6):25–26, June 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Stix:1990:T**
- [Sto95] B. Stone. Between the Alps and a hard place [rail network modernisation]. *IEEE Spectrum*, 32(10):34–39, October 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Stone:1995:BAH**
- [Sto97] C. Stoll. Networking locally, area-wise. *IEEE Spectrum*, 34(6):8, June 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Stoll:1997:NLA**
- [Sto98] A. Stone. (re)butting heads over privacy. *IEEE Spectrum*, 35(7):10–13, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Stone:1998:RBH**
- [Sto99] D. Stoneking. Improving the manufacturability of electronic designs. *IEEE Spectrum*, 36(6):70–76, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Stoneking:1999:IME**
- [Str96] S. J. Strong. Power windows. Building-integrated photovoltaics. *IEEE Spectrum*, 33(10):49–55, October 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Strong:1996:PWB**
- [Sur90] J. J. Suran. A view from the other side (engineering education). *IEEE Spectrum*, 27(9):52–54, September 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). **Suran:1990:VOS**
- [SW97] K. E. Stahlkopf and M. R. Wilhelm. Tighter controls for busier systems [power systems]. *IEEE Spectrum*, 34(4):48–52, April 1997. CODEN IEESAM. ISSN 0018-

- 9235 (print), 1939-9340 (electronic).
- [Swa91] D. G. Swanson. Simulating EM fields. *IEEE Spectrum*, 28(11):34-37, November 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swa93] P. M. Swamidass. Technology, people, and management. *IEEE Spectrum*, 30(9):68-69, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swa96] H. Swann. A tour of the calculus [books]. *IEEE Spectrum*, 33(11):13-18, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swa98] H. Swann. A mathematical messiah. *IEEE Spectrum*, 35(12):10-12, December 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). Review of two books: *The Man Who Loved Only Numbers*: Hoffman (Hyperion, P.; 1998) and *My Brain is Open* (Bruce, Schechter; 1998).
- [Swe94a] W. Sweet. Europe's supercollider project. *IEEE Spectrum*, 31(10):47-54, October 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swe94b] W. Sweet. Nuclear fusion advances. *IEEE Spectrum*, 31(2):31-36, February 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swe94c] G. F. Swetnam. A Capitol experience [IEEE Congressional Fellow, experience]. *IEEE Spectrum*, 31(7):40-43, July 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swe95] W. Sweet. The glass cockpit [flight deck automation]. *IEEE Spectrum*, 32(9):30-38, September 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swe96a] W. Sweet. Better networks for test ban monitoring. *IEEE Spectrum*, 33(2):24-33, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sweet:1994:ESP**Swanson:1991:SEF****Sweet:1994:NFA****Swamidass:1993:TPM****Swetnam:1994:CEI****Swann:1996:TCB****Sweet:1995:GCF****Swann:1998:MM****Sweet:1996:BNT**

Sweet:1996:CSA

- [Swe96b] W. Sweet. Chernobyl's stressful after-effects. *IEEE Spectrum*, 33(11):26–34, November 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sweet:1996:PE

- [Swe96c] W. Sweet. Power and energy. *IEEE Spectrum*, 33(1):70–75, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sweet:1996:RM

- [Swe96d] W. Sweet. Robert N. Metcalfe. *IEEE Spectrum*, 33(6):48–49, June 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sweet:1996:SNC

- [Swe96e] W. Sweet. A science for the next century [books]. *IEEE Spectrum*, 33(7):12–15, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sweet:1997:ARD

- [Swe97a] W. Sweet. Advanced reactor development rebounding. *IEEE Spectrum*, 34(11):41–48, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sweet:1997:CBM

- [Swe97b] W. Sweet. Chiariglione and the birth of MPEG. *IEEE Spectrum*, 34(9):70–77, September 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sweet:1997:ID

- [Swe97c] W. Sweet. Interim dangers. *IEEE Spectrum*, 34(11):16–18, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sweet:1997:NR

- [Swe97d] W. Sweet. A nuclear reconnaissance. *IEEE Spectrum*, 34(11):23–28, November 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sweet:1997:PE

- [Swe97e] W. Sweet. Power and energy. *IEEE Spectrum*, 34(1):38–42, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Sweet:1997:TYA

- [Swe97f] W. Sweet. Thirty years ago *IEEE Spectrum*, 34(1):20T12, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Swe98a] **Sweet:1998:EEE**
W. Sweet. Educating ethical engineering [roundtable]. *IEEE Spectrum*, 35(6):51–61, June 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swe98b] **Sweet:1998:FF**
W. Sweet. Faults failures. *IEEE Spectrum*, 35(7):87–88, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swe98c] **Sweet:1998:MFG**
W. Sweet. A many-faceted gem (book review) [*The Scientific Revolution*. Shapin, Steven, University of Chicago Press, Chicago, 1996 and 1998, 218 pp., \$19.95(hardcover), \$12 (paper)]. *IEEE Spectrum*, 35(3):12–16, March 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swe98d] **Sweet:1998:PSS**
W. Sweet. A peep at some social pitfalls [books]. *IEEE Spectrum*, 35(5):10–12, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swe98e] **Sweet:1998:PET**
W. Sweet. Power and energy [technology 1998 analysis and forecast]. *IEEE Spectrum*, 35(1):67–72, January 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swe98f] **Sweet:1998:TSC**
W. Sweet. Two sides at the (cyber) force. *IEEE Spectrum*, 35(11):12–14, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swe98g] **Sweet:1998:UCM**
W. Sweet. The unnumbered charms of math [books]. *IEEE Spectrum*, 35(5):10, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swe99a] **Sweet:1999:BLP**
W. Sweet. Battling for local phone customers. *IEEE Spectrum*, 36(5):32–37, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swe99b] **Sweet:1999:FF**
W. Sweet. Faults failures. *IEEE Spectrum*, 36(12):115–117, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Swe99c] **Sweet:1999:BB**
W. Sweet. Is bigger better? *IEEE Spectrum*, 36(5):38–44, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Swe99d] **Sweet:1999:TTM**
 W. Sweet. Of two (or three) minds on computationalism [books]. *IEEE Spectrum*, 36(3):9–12, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Tab96]
- [Swe99e] **Sweet:1999:POS**
 W. Sweet. Philosopher of the old school [books]. *IEEE Spectrum*, 36(3):12, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Tad98]
- [Swe99f] **Sweet:1999:PET**
 W. Sweet. Power and energy [1999 technology analysis and forecast]. *IEEE Spectrum*, 36(1):62–67, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Tan98]
- [Sym98] **Symons:1998:TSV**
 R. S. Symons. Tubes: still vital after all these years. *IEEE Spectrum*, 35(4):52–63, April 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Tau99]
- [SZ96] **Santori:1996:FBP**
 M. Santori and K. Zech. Fieldbus brings protocol to process control. *IEEE Spectrum*, 33(3):60–64, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Tay92]
- Tabors:1996:LUN**
 R. D. Tabors. Lessons from the UK and Norway. *IEEE Spectrum*, 33(8):45–49, August 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Tadmor:1998:PHE**
 Z. Tadmor. Proactive higher education for high technology. *IEEE Spectrum*, 35(5):39–42, May 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Tandon:1998:OET**
 V. Tandon. Opening Europe's telephone business to competition. *IEEE Spectrum*, 35(10):43–48, October 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Taur:1999:IST**
 Y. Taur. The incredible shrinking transistor. *IEEE Spectrum*, 36(7):25–29, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Taylor:1992:SC**
 R. M. Taylor. Space communications. *IEEE Spectrum*, 29(2):30–33, February 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Tay99] **Taylor:1999:IGB**
C. W. Taylor. Improving grid behaviour. *IEEE Spectrum*, 36(6):40–45, June 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Tiw94] **Tiwary:1994:BHM**
G. Tiwary. Below the half-micron mark. *IEEE Spectrum*, 31(11):84–87, November 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [TC97] **TL:1997:NLI**
Tsu-Chang Lee and J. Cong. The new line in IC design. *IEEE Spectrum*, 34(3):52–58, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [TLN98] **Teegarden:1998:HMS**
D. Teegarden, G. Lorenz, and R. Neuf. How to model and simulate microgyroscope systems. *IEEE Spectrum*, 35(7):66–75, July 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [ter97] **terMaat:1997:EC**
M. ter Maat. The economics of e-cash. *IEEE Spectrum*, 34(2):68–73, February 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Toe98] **Toepfer:1998:CEP**
C. B. Toepfer. Charge! EVs power up for the long haul. *IEEE Spectrum*, 35(11):41–47, November 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Tho96] **Thompson:1996:TTC**
M. Thompson. The thick and thin of car cabling. *IEEE Spectrum*, 33(2):42–45, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Top91] **Topper:1991:ASD**
Andrew Topper. Automating software development. *IEEE Spectrum*, 28(11):56, November 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Tho97] **Thompson:1997:CSP**
P. Thompson. Chip-scale packaging. *IEEE Spectrum*, 34(8):36–43, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [TPB95] **Trovato:1995:SAN**
S. A. Trovato, J. O. Parry, and J. M. Burger. Slowing the aging of nuclear power plants. *IEEE Spectrum*, 32(3):32–36, March 1995. CODEN IEESAM. ISSN 0018-

9235 (print), 1939-9340 (electronic).

Tracht:1993:ALD

[Tra93]

A. E. Tracht. Adapting laptops to data acquisition. *IEEE Spectrum*, 30(10):45-47, October 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Trlica:1996:SA

[Trl96]

C. Trlica. Software applications. *IEEE Spectrum*, 33(1):56-59, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Trlica:1997:STT

[Trl97]

C. Trlica. Software tools [technology analysis and forecast]. *IEEE Spectrum*, 34(1):60-64, January 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Trope:1999:HFY

[Tro99]

R. L. Trope. How NOT to forfeit Y2K Act protections [law]. *IEEE Spectrum*, 36(10):65-69, October 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Trumble:1998:GLL

[Tru98]

B. Trumble. Get the lead out! [lead free solder]. *IEEE Spectrum*, 35(5):55-60, May 1998. CODEN IEESAM.

ISSN 0018-9235 (print), 1939-9340 (electronic).

Tremblay:1995:PPD

[TT95]

M. Tremblay and P. Tirumalai. Partners in platform design. *IEEE Spectrum*, 32(4):20-26, April 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Turino:1991:CEM

[Tur91]

J. Turino. Concurrent engineering: making it work calls for input from everyone. *IEEE Spectrum*, 28(7):30-32, July 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Unger:1996:DRT

[Ung96]

S. H. Unger. Doing the right thing. *IEEE Spectrum*, 33(12):25-32, December 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Ungson:1999:EKB

[UT99]

G. R. Ungson and J. D. Trudel. The emerging knowledge-based economy. *IEEE Spectrum*, 36(5):60-65, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

VanWyk:1996:VMM

[Van96]

J. D. VanWyk. Viewpoint: The muscle of multikilowatts. *IEEE Spectrum*, 33(1):98-99, January 1996. CO-

- DEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Ven90] **Vendelin:1990:ENM** G. D. Vendelin. Evaluating nonlinear models for microwave GaAs FETs. *IEEE Spectrum*, 27(9):48–50, September 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [von94]
- [VG90] **Vaglica:1990:HSM** J. J. Vaglica and P. S. Gilmour. How to select a microcontroller. *IEEE Spectrum*, 27(11):106–109, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [VS97]
- [VG96] **Vieira:1996:CAT** P. Vieira and F. Gomide. Computer-aided train dispatch. *IEEE Spectrum*, 33(7):51–53, July 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Waf93]
- [Voe90a] **Voelcker:1990:APW** J. Voelcker. Applications '90: PCs and workstations. *IEEE Spectrum*, 27(2):24–27, February 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Wal96]
- [Voe90b] **Voelcker:1990:AP** J. Voelcker. Applications '90: peripherals. *IEEE Spectrum*, 27(2):28–30, February 1990. [Wal97]
- CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- vonAulock:1994:SCM** W. H. von Aulock. Smart cars may not be smart. *IEEE Spectrum*, 31(3):16, March 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Vallett:1997:FFD** D. P. Vallett and J. M. Soden. Finding fault with deep-submicron ICs. *IEEE Spectrum*, 34(10):39–50, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Waff:1993:RDS** C. B. Waff. The road to the deep space network. *IEEE Spectrum*, 30(4):50–57, April 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Wallach:1996:VWE** S. J. Wallach. Viewpoint: Windows everywhere? *IEEE Spectrum*, 33(1):44–45, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Wallman:1997:TTS** S. M. H. Wallman. Technology takes to securities trading. *IEEE Spectrum*, 34(2):60–65, February 1997. CODEN IEESAM. ISSN 0018-

9235 (print), 1939-9340 (electronic).

Warner:1996:EMF

[War96]

R. M. Warner. Earl Master-son: a fresh slant on video-recording. *IEEE Spectrum*, 33(2):51-57, February 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Watson:1991:TME

[Wat91a]

G. Watson. Technology 1991: the main event 64 Mb RAM. *IEEE Spectrum*, 28(1):30, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Watson:1991:TSS

[Wat91b]

G. F. Watson. Technology 1991: solid state. *IEEE Spectrum*, 28(1):52-55, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Watson:1992:MRN

[Wat92a]

G. F. Watson. MIL reliability: a new approach. *IEEE Spectrum*, 29(8):46-49, August 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Watson:1992:RC

[Wat92b]

G. F. Watson. Refreshing curricula. *IEEE Spectrum*, 29(3):31-35, March 1992. CODEN IEESAM. ISSN 0018-

9235 (print), 1939-9340 (electronic).

Watson:1992:SIP

[Wat92c]

G. F. Watson. Supercomputers — interconnections and packaging. *IEEE Spectrum*, 29(9):69-71, September 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Watson:1992:TSS

[Wat92d]

G. F. Watson. Technology 1992 — solid state. *IEEE Spectrum*, 29(1):42-44, January 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Waters:1997:RSV

[WB97]

R. C. Waters and J. W. Bar-
rus. The rise of shared virtual environments. *IEEE Spectrum*, 34(3):20-25, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Wheeler:1991:CES

[WBR91]

R. Wheeler, R. W. Burnett, and A. Rosenblatt. Concurrent engineering: success stories in instrumentation, communications. *IEEE Spectrum*, 28(7):32-37, July 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Werner:1993:FPF

[Wer93]

K. I. Werner. The flat panel's future. *IEEE Spec-*

- trum*, 30(11):18–22, November 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Wer94] K. Werner. Higher visibility for LEDs. *IEEE Spectrum*, 31(7):30–34, July 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Wer95] K. Werner. US display industry on the edge. *IEEE Spectrum*, 32(5):62–69, May 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Wer97] K. Werner. The flowering of flat displays. *IEEE Spectrum*, 34(5):40–49, May 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [WH99] Yanjia Wang and Kebin He. The air pollution picture in China. *IEEE Spectrum*, 36(12):55–58, December 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Whi92] R. M. White. A catalyst for US competitiveness. *IEEE Spectrum*, 29(3):49–50, March 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Whi93a] R. M. White. Competitive measures. *IEEE Spectrum*, 30(4):29–33, April 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Whi93b] D. Whitney. When people are too large and dirty (manufacturing computer control). *IEEE Spectrum*, 30(9):39–42, September 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Wic96a] I. Wickelgren. The strange senses of other species. *IEEE Spectrum*, 33(3):32–37, March 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Wic96b] I. J. Wickelgren. Local-area networks go wireless. *IEEE Spectrum*, 33(9):34–40, September 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Wic97] I. J. Wickelgren. The facts about FireWire [serial communication bus]. *IEEE Spectrum*, 34(4):19–25, April 1997.

CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Williams:1993:MVV

[Wil93]

J. Williams. Mixing 3-V and 5-V ICs. *IEEE Spectrum*, 30(3):40–42, March 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

[WJT96]

Willner:1997:MOB

[Wil97]

A. E. Willner. Mining the optical bandwidth for a terabit per second. *IEEE Spectrum*, 34(4):32–41, April 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

[WK90]

Winters:1996:FMA

[Win96]

J. M. Winters. Flatland movement analyzed interactively. *IEEE Spectrum*, 33(4):17–18, April 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

[WL98]

Wise:1996:FAE

[Wis96]

G. Wise. First among equals [book review]. *IEEE Spectrum*, 33(5):10–11, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Wise:1999:ELI

[Wis99]

G. Wise. *Edison: A Life of Invention*, Israel, Paul, John Wiley, New York, 1998, 552 pp., \$30 [book review]. *IEEE*

Spectrum, 36(1):10–12, January 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Werblin:1996:CE

F. Werblin, A. Jacobs, and J. Teeters. The computational eye. *IEEE Spectrum*, 33(5):30–37, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Whittaker:1990:JRA

W. L. Whittaker and T. Kanade. Japan robotics aim for unmanned space exploration. *IEEE Spectrum*, 27(12):64–67, December 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Werb:1998:DPS

J. Werb and C. Lanzl. Designing a positioning system for finding things and people indoors. *IEEE Spectrum*, 35(9):71–78, September 1998. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Wolff:1990:VGG

[Wol90]

M. F. Wolff. Van de Graaff's generator. *IEEE Spectrum*, 27(7):46, July 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [Wol92] **Wolff:1992:LNS**
H. Wolff. Learning new skills. *IEEE Spectrum*, 29(12):58–61, December 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Wol93] **Wolff:1993:HEV**
H. Wolff. How engineers view themselves. *IEEE Spectrum*, 30(4):24–28, April 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Wol99] **Wolk:1999:FCH**
R. H. Wolk. Fuel cells for homes and hospitals. *IEEE Spectrum*, 36(5):45–52, May 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Woo90] **Wood:1990:MM**
R. Wood. Magnetic megabits. *IEEE Spectrum*, 27(5):32–33, May 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Wou95] **Wouk:1995:HTN**
V. Wouk. Hybrids: then and now. *IEEE Spectrum*, 32(7):16–21, July 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [WR96] **Wyatt:1996:OIB**
J. Wyatt and J. Rizzo. Ocular implants for the blind. *IEEE Spectrum*, 33(5):47–53, May 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [WS93] **Weiss:1993:PDD**
J. Weiss and D. Schremp. Putting data on a diet. *IEEE Spectrum*, 30(8):36–39, August 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Yal97] **Yale:1997:PRD**
K. Yale. Preparing the right data diet for training neural networks. *IEEE Spectrum*, 34(3):64–66, March 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Yea96] **Yeager:1996:VCV**
K. E. Yeager. Viewpoint: Count the value of R&D, not just its cost. *IEEE Spectrum*, 33(1):74–75, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [YL90] **Youst:1990:TLG**
D. B. Youst and L. Lipsett. The technical ladder gets harder to climb (engineering career advancement). *IEEE Spectrum*, 27(9):46–47, September 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

- [YL94] **Youst:1994:SFT** D. B. Youst and L. Lipsett. Survival of the fittest [technical skills development]. *IEEE Spectrum*, 31(10):67–69, October 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Zak99]
- [Yof96] **Yoffa:1996:VMT** E. J. Yoffa. Viewpoint: Methodology, not tools, is the key to winning the design race. *IEEE Spectrum*, 33(1):58, January 1996. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [ZF94]
- [You93] **Younse:1993:MC** J. M. Younse. Mirrors on a chip. *IEEE Spectrum*, 30(11):27–31, November 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Zim97]
- [YS91] **Yuan:1991:PLS** J. Yuan and C. Svensson. Pushing the limits of standard CMOS. *IEEE Spectrum*, 28(2):52–53, February 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Zor90a]
- [Zac95] **Zachary:1995:VBB** G. P. Zachary. Vannevar Bush [biography]. *IEEE Spectrum*, 32(7):65–69, July 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic). [Zor90b]
- Zakheim:1999:ORN** D. S. Zakheim. Old rivalries, new arsenals: should the US worry? *IEEE Spectrum*, 36(3):29–31, March 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Zinser:1994:MPP** K. Zinser and F. Frischenschlager. Multimedia's push into power. *IEEE Spectrum*, 31(7):44–48, July 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Zimmerman:1997:EEW** D. Zimmerman. Exploiting enemy weaknesses [books]. *IEEE Spectrum*, 34(8):10, August 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Zorpette:1990:DSC** Glenn Zorpette. Defense: suppliers are challenged to downsize gracefully as they seek to diversify. *IEEE Spectrum*, 27(11):33–36, November 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Zorpette:1990:ECI** Glenn Zorpette. Electronics consortia to impact products for generations. *IEEE Spectrum*, 27(10):50–52, October 1990. CODEN IEESAM.

ISSN 0018-9235 (print), 1939-9340 (electronic).

Zorpette:1990:FHE

- [Zor90c] Glenn Zorpette. Fish and hydroelectricity: engineering a better coexistence. *IEEE Spectrum*, 27(12):68–70, December 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Zorpette:1990:MM

- [Zor90d] Glenn Zorpette. Multinationals on the move. *IEEE Spectrum*, 27(6):50–52, June 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Zorpette:1990:NPP

- [Zor90e] Glenn Zorpette. New pay phones hit the street. *IEEE Spectrum*, 27(5):28–31, May 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Zorpette:1990:PE

- [Zor90f] Glenn Zorpette. Power and energy. *IEEE Spectrum*, 27(6):28–30, June 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Zorpette:1990:TMM

- [Zor90g] Glenn Zorpette. Technology '90: minis and mainframes. *IEEE Spectrum*, 27(1):30–34, January 1990. CODEN IEESAM. ISSN 0018-

9235 (print), 1939-9340 (electronic).

Zorpette:1990:TPE

Glenn Zorpette. Technology '90: power and energy. *IEEE Spectrum*, 27(1):44–46, January 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Zorpette:1991:EML

Glenn Zorpette. Energy management — loosening the bonds of oil. *IEEE Spectrum*, 28(3):34–38, March 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Zorpette:1991:EMD

Glenn Zorpette. Energy management — the DOE: agency under fire. *IEEE Spectrum*, 28(3):32–33, March 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Zorpette:1991:GLE

Glenn Zorpette. Gulf legacy: emulating the battlefield. *IEEE Spectrum*, 28(9):36–39, September 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Zorpette:1991:GLF

Glenn Zorpette. Gulf legacy: from factory floor to desert war. *IEEE Spectrum*, 28(9):

- 40–42, September 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor91e] **Zorpette:1991:TMM** [Zor92c] Glenn Zorpette. Technology 1991: minis and mainframes. *IEEE Spectrum*, 28(1):40–43, January 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor91f] **Zorpette:1991:TPE** [Zor92d] Glenn Zorpette. Seeking nuclear safeguards. I. How Iraq reverse-engineered the bomb. *IEEE Spectrum*, 29(4):20–24, April 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor91g] **Zorpette:1991:UGS** [Zor92e] Glenn Zorpette. Utilities get serious about efficiency. *IEEE Spectrum*, 28(5):42–43, May 1991. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor92a] **Zorpette:1992:EL** [Zor92f] Glenn Zorpette. Elizabeth Laverick. *IEEE Spectrum*, 29(5):40–42, May 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor92b] **Zorpette:1992:HGP** [Zor92g] Glenn Zorpette. Hawaii's geothermal program. *IEEE Spectrum*, 29(2):49–50, February 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Zorpette:1992:RXR** Glenn Zorpette. Rethinking X-ray lithography. *IEEE Spectrum*, 29(6):33–36, June 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Zorpette:1992:SNS** Glenn Zorpette. Seeking nuclear safeguards. I. How Iraq reverse-engineered the bomb. *IEEE Spectrum*, 29(4):20–24, April 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Zorpette:1992:SPP** Glenn Zorpette. Supercomputers — the power of parallelism. *IEEE Spectrum*, 29(9):28–33, September 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Zorpette:1992:TLC** Glenn Zorpette. Technology 1992 — large computers. *IEEE Spectrum*, 29(1):33–35, January 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- Zorpette:1992:TPE** Glenn Zorpette. Technology 1992 — power and energy. *IEEE Spectrum*, 29(1):

- 49–51, January 1992. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor93a] **Zorpette:1993:ESC** Glenn Zorpette. Environment — sensing climate change. *IEEE Spectrum*, 30(7):20–27, July 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor93b] **Zorpette:1993:TLC** Glenn Zorpette. Technology 1993 — large computers. *IEEE Spectrum*, 30(1):34–37, January 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor93c] **Zorpette:1993:TPE** Glenn Zorpette. Technology 1993 — power and energy. *IEEE Spectrum*, 30(1):61–64, January 1993. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor94a] **Zorpette:1994:AD** Glenn Zorpette. Autopilots of the deep. *IEEE Spectrum*, 31(8):38–44, August 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor94b] **Zorpette:1994:PPG** Glenn Zorpette. A peripatetic prodigy goes home. *IEEE Spectrum*, 31(7):56–58, July 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor94c] **Zorpette:1994:PE** Glenn Zorpette. Power and energy. *IEEE Spectrum*, 31(1):58–61, January 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor94d] **Zorpette:1994:SSE** Glenn Zorpette. A slow start for emissions trading. *IEEE Spectrum*, 31(7):49–52, July 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor94e] **Zorpette:1994:TI** Glenn Zorpette. Technology in India. *IEEE Spectrum*, 31(3):24–32, March 1994. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor95a] **Zorpette:1995:PE** Glenn Zorpette. Power and energy. *IEEE Spectrum*, 32(1):56–59, January 1995. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).
- [Zor95b] **Zorpette:1995:RAN** Glenn Zorpette. Radio astronomy: new windows on the Universe. *IEEE Spectrum*, 32(2):18–19, February 1995. CODEN IEESAM. ISSN 0018-

9235 (print), 1939-9340 (electronic).

Zorpette:1997:ETM

- [Zor97] Glenn Zorpette. Entertainment for the technically mature [book reviews]. *IEEE Spectrum*, 34(10):12–14, October 1997. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Zorian:1999:TMC

- [Zor99] Y. Zorian. Testing the monster chip. *IEEE Spectrum*, 36(7):54–60, July 1999. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).

Zorpette:1990:NWC

- [ZS90] Glenn Zorpette and Gary Stix. Nuclear waste: the challenge is global. *IEEE Spectrum*, 27(7):18–24, July 1990. CODEN IEESAM. ISSN 0018-9235 (print), 1939-9340 (electronic).