A Complete Bibliography of *ACM Transactions on Design Automation of Electronic Systems*

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/

22 March 2019  
Version 1.68

**Title word cross-reference**

1 [AGM01]. 2 [FWCL05, GH00, RL13]. 2.5 [WCB15, WWCT18]. 3 [ADDM+13, CLT+15, DLC+17, JGM14, KK11, KKHK16, KLE18, LLKC’13, LDD+18, LHZ+06, LHC16, LW17, LS17, OS03, SYX12, THM15, TMDF10, WYC10, YHH09, ZYS12]. 4 [JCPG05]. \(d\) [MLMM08]. \(\text{DDX}\) [SW04]. \(F_{\text{max}}\) [PMB10]. \(\text{GF}(2^n)\) [RMPJ08]. \(H\) [CLT+15]. \(k\) [CLH12]. \(k/m\) [CHY05]. \(\mu\) [DHZ+11]. \(N\) [Pom16a, CLH12, Pom17a]. \(o(\min(m,n))\) [LM05]. \(t/t\) [CH13]. \(V_t\) [KOS09].

-\text{Ary} [CLH12]. -\text{based} [SW04]. -\text{Cubes} [CLH12]. -\text{D} [OS03, WYC10]. -\text{Detection} [Pom17a, Pom16b]. -\text{Diagnosability} [CH13]. -\text{distinguishability} [AGM01]. -\text{domain} [FWCL05]. -\text{driven} [MSD06]. -\text{geometry} [JCGP05]. -\text{macrocell-based} [CHY05]. -\text{Matrix-Based} [CLT+15].

0.35\(V\) [ACF+11]. 0.35\(V\)-\text{Optimized} [ACF+11].

2-stage [KSA+10]. 2.0 [CLYP09, HWGY16, LLL+18]. 2009 [GK09]. 252\text{Kgates} [CCC°09a]. 252\text{Kgates}/4.9\text{Kbytes} [CCC°09a].

36 [DHZ+11].

4.9\text{Kbytes} [CCC°09a]. 40\text{nm} [ACF+11]. 45\text{-degree} [CT13, TP08]. 45\text{nm} [BFL10].
71mW [CCC+09a].

90nm [CFD+16].

A3MAP [JP12]. aberration [KPSW09].
absence [SPA+03]. Abstraction
[HZS+19, CMNQ08, CLM+10, HMB98].
abstraction/refinement [CLM+10]. ABW
[CIX15]. Accelerated
[LD17, BHDS09, MLC08]. Accelerating
[HW14, LS11, SKS12]. acceleration
[GPK+09]. Accelerator
[LYL+19, AHL+08]. Accelerators
[SV11, LSPC14, YLP+13]. Access
[GSB+18, OKC08, YXY+16, Cha01, KLS11, KCKG13]. Accesses
[HPK08, OKC08, XYG+16, Cha01, KLSP11, KCKG13].

Accurate
[DKZ+15, L18, SV16, SKCM06, TWL16, TEK18, MFS09, RCD07, SGD10, XK97].
Achieving [KJT04, STL+13]. ACM
[GBK09, BC08, CH18a, KLSZ09, QS11, SN10, CPX14]. acoustic [FIR+97]. acquisition
[NR03]. across [LBV+06]. action [KC98].

Active [LKC+18, VEO16]. Actively
[PCT+17]. Activity
[GFJ16, KOO18, PR11, SX+06]. Actor
[RTG+14]. Actor-Oriented [RTG+14].
acyclic [LKT98]. Adaptable
[CRC15, KKK12, SHN12]. Adaptation
[LYHL14, MDR15]. Adapting
[SBO16].

Adaptive
[BML11, CB17, CIX15, EW18b, JM14, KKH16, LLKY13, SOS15, TZ17, WTR12, WCQ+16, ZLY+15, CCYC14, CR12, CLQ12, DPO4, FS13, HCK13, LMB+12, LSL+13, RL13, RAKK12, SCB01].
Adaptively [KLK+17, DL11]. ADC
[EO19]. ADCs [HWCL15, PKP+03]. Add
[LWZ+19]. Adders [KKK12]. Address
[LP03, SR12]. addressing [SSP04].

adjustable [KSA+10, LLHT12]. ADL
[MSD06]. Admission [DZCD15]. advanced
[DFFR13]. Advances [CO18]. Affine
[WK1+18, BC11]. after [XFJ+16]. Against
[DZS+18, DF15, GDTF17, ZLQ15].

AGENTS [dW97]. Agglomerative
[LLLC13]. Agglomerative-based
[LLLC13]. Aging
[FYCT15, GC18, OT15, HTCP13]. Aging-
[FYCT15]. Aging-Aware [OT15].
Agnostic [BDBB19]. ahead [CSAHR07].
Airgap [HS19]. algebra
[AMO05, KRH18]. algebraic [ALRJH06]. Algorithm
[DHV18, GDPRG11, GYT12, HCRK11, HLC+15, KLSZ09, KLSZ11, MA16, TZ17, YVC14, ZLG+19, BDB08, CD09, CT13, CSL+07, CCW08, EK97, GBC07, JHL02, KT96, KL05, MB01, MKB05, MLML08, MWG07, SCB01, SG06, VKRR02, XTW05, YMC+13, YYY+10, ZH08]. Algorithmic
[AMO05, KRH18]. Algorithms
[ACFM12, GMN+13, SV16, SZB17, TCP97, Das04, Das09, EMO03, GMSSS02, JLF+12, LKM04, LIA00, OW08, PB14, PW99, TC98, YW09, YCHT00, ZS10, Z02].

Aligned [XYG+16]. Allocating
[KAKSP16, YHH09]. Allocation
[ABC+17, BK00, BM11, CET16, CARH18, KK14, KKL15, SCB18, YZ12, AOC02, CLM+10, CL99b, LCK+09, SM00].

Alternative [KRL15, SYZ08]. among
[DK08]. AMS
[CVMP19, DDNAV04, MDM+12, MPDG09].

Analog [BBEM15, CFD+16, DZ18, LHJ12, LCN18, SHD17, STGR15, SOS15, TZ17, WJYZ11, ZS18, BC05, DC07, DDNAV04, LON08, LFG+09, LCK12, LTPR+13, ST99, SCJ01, WV02]. Analog/Mixed
[STGR15].

Analog/Mixed-Signal [STGR15].

Analog/RF [BBEM15]. Analyses
[BFG17b]. Analysis [BS14b, CZW+03, CLT+15, CB17, CH17, CYH19, CLMZ10, DKZ+15, GLY+12, HKL+15, HHL14, JM14, KM97, KOO18, KC13, LJJ18, LV14, MAS16, NSCM17, OM08, PHK12, Pie16, PEP06, QBTM16, STWX12, THT12, WLT12, XT16, ZFLS11, ZYW+18, KS+16, ZBF18, AC06, APB+08, BWB14, BK10, CTR+02,
DCK10, Das04, DH06, FZKS11, GM08, GGZB02, GDG+08, IBMD07, JB98, JT98, KPR06, KVMM07, LW07, LCHT02, LON08, LTPR+13, MDG98, MFS09, MCMW08, NM13, QSK12, RM10, ST99, VMP+00, WYC10, YWGI09, ZHM07.

Analytic [AMM+18, JP12]. Analytical [HHL14, MA16, SV16, XLL+16, GG04, LON08].

analyzing [LH13]. Android [THC+14]. Annealing [VLH04].

Annotating [BD05]. ant [WGDK07]. anti [HTCP13]. anti-aging [HTCP13].

Application [CYV+14, HKL+15, HCZ+16, LPD+17, LYHL14, LHF12, LF12, MDR15, RCK+15, STJG16, TCL14, VAI7a, XLL+16, XTL16, YP01, ZYPD08, ZYPIC17, CSCO8, HLKN07, Hsi00, JCPG05, LM96, MMP09, MP07, SXZV13, WKR09, WSEA99, ZMTC13].

Application-aware [ZYDP08].

Application-Driven [YP10]. application-oriented [Hsi00].

Application-Specific [HKL+15, HCZ+16, LPD+17, LHF12, LF12, RCK+15, TCL14, VAI7a, CSCO8, WKR09].

Applications [ACF+11, BFV15, ETAV18, EO19, HC17, HAB+17, MLH+17, NTSA18, RS18, SBR+17, SVK17, SESN15, WZDG16, ZLL+16, CCC+09a, DCK09, DCK10, DPNB02, DSH12, DVA02, HG07, KSS+09, KCA04, KFH+08, MHD+04, NT05, PND97, Pedi96, SR12, VCLD03, VMP+00, WLL+11, WGI11, ZHM07, ZAZ13].

Applying [CHBK15].

Arithmetic [BZ08, MPDG09, TBZ13].

ASIC [KLV15, THL+13]. ARM-Based [LLH+17]. ARM2 [HV98].

Array [CDF+16, KCKG16, SP+15, AOC02, CZW00, LC13, LCL08, WV02, ZYZ+13].

array-based [CZW00]. Array-Style [CDF+16]. Arrays [HCW+16, TRM+16, AC06, CH02, CD96, LMB+12, PWY05, WAZ98].

ASICs [PW99].

ASIPs [SM00], ASP [YMB15].

ASP-Based [YMB15]. aspects [AMO05]. assembled [BC05]. assembly [AMR00].

assertion [BZ08, MPDG09, TBZ13].

assertion-based [TBZ13].
Assumption
[CK16, KLE18, LYCP17, LMS16, SV16, Yan16, Yan17, BDB98, CCX06, CHH09, CPW04, CLY09, KNDK06, Kuc03, LJV02, LCC11, LT11, VJBC07, WWG08, WLCJ09, XTW05, Yan11]. Assisted
[GFJ16, PTC+15, CSL+07, MBB01].
Assistive [MVK+18]. Assurance
[XLY+18]. Asymmetric
[SBR+17, RAKK12]. Asynchronous
[PMS15, WWW+12]. At-Speed
[PTC+15, TPC+17, SXZV13]. ATM
[RFY18]. ATPG [HCC01, MT02, SGK08]. Attack [Che18, DDFR13]. Attacks
[DZS+18, DHB16, MLH+17, ZLQ15, LWK11]. Attestation [CRT19]. Attributed
[PRCK08]. Authentication
[HRK18, MPM+17, YFT17]. Authorization
[MPM+17]. Autogenerated [APD+11].
Automata [BZ08, KT01].
Automata-based [BZ08]. Automated
[BPTB17, IE12, KLV15, GWR13].
Automatic [BFV15, CK96, CJLZ11, MS08, SHD17, SRTG19, WKR09, ADS+09, KSS+09, LFG+09, TDE08, WCC04].
Automating [HA05, RSR01]. Automation
[CH10a, CPX14, CO18, DZS+18, GHY19, KLSZ09, DTC+09, LOC12]. Automotive
[HK18, LZSV15, LMS16, MPM+17, SRTG19, XLY+18]. Autonomous
[ML09, STL+13]. Auxiliary
[BDC08, CCQ98, Piel6]. Available
[TEK18]. Average [ZLW+15]. Averaging
[TWL16]. Avoiding [HLG+15, HGLC16, LLLL18, WSRH16, XLP2+18, LYKW09].
Award [GK09, QS11]. Aware
[AKAP18, BDBB19, CMP10, CET16, DZ18, FYCT15, GV15, HHK+17, HC17, HCG+16, KPF16, KWI16, LHW+17, LLL+18, LHIK+15, LZSV15, LNG+16, LMS16, MT15, OT15, PBZM19, RS18, RCK+15, SYX12, TBCH17, WSH+18, WLLH16, YYG+16, ZYPC17, ADP+07, CHH09, CLQ12, DD02, ETR07, FS13, GM08, GKM05, JHL02, JP12, JCS+08, KPSW09, KJJKK03, LC14, MJM11, MHQ07, MKW08, PPDK09, RGM09, SSG12, SBC08, SMYH07, SKS12, SNL12, WH05, WPH08, WLL+11, YYLL09, ZYDP08, ZYP09].
Awareness [RL13].
B* [WCC03]. B*-trees [WCC03]. back
[CK+18, GAB00]. back-end [GAB00].
Backward [BS14b]. balanced [LLHT12].
Balancing [MT15]. Band [WTR12].
Bandwidth
[KLK+17, BD08, GM03, LKLC13]. bank
[CPW04, Kan06, SM00, Wu09]. banked
[OK08]. Based
[APDC17, ASAP17, AVG19, AAA15, BHK17, BS14a, BD14, CPS16, CCH+15a, CLT+15, DLC+17, ETAV18, EO19, GDTF17, GHY19, HCL+14, HWX+14, HLG+15, JHMS18, JPHL16, JM14, KCO10, KLK+17, KMO+12, LLH+17, LG18, LS11, LHK+15, LLLL18, LH11, LGGJ14, LCC+15, LKC+18, MCZ+16, MA16, MCD12, PSNC18, PG15, Pom17a, Pom18b, QBTM15, RSL18, SV16, STGR15, TZ17, VE016, WCB15, WQC+16, WWCT18, WC10, WL12, XS16, XCF18, YMB15, ZS16, ZHC+18, AHA08, AM10, ADDM+13, BLM00, BPR98, BC11, BBD00, BOC00, BH10, BZ08, CLM+10, CN13, CGN96, CZW00, CFHM09, CH02, CBR+05, CD96, CHY05, CFX09, CM13, CCL04, DP02, DCK09, DDNAV04, DVA02, EMO03, EY12, FS13, GK14, GG99, GPH+09, GBC07, GDF09, GPK+09, GH00, HCK13, HWCL13, JLF+12, KBN09, KK11, KNRK06, KSA+10, LC13, LB00, LKM04, LWC07].
Based
[LCL11, LWZ+19, LDK99, LCHT02, LOC12, LWK11, LLLC13, MP07, ML08, OM08, OKC08, OK08, PND00, PRCK08, PMB10, PR09, Pom14b, RL13, RS98, SW04, SGK08, SOC06, SC06, TN99, TBZ13, VKT02, WWC04, WC06, WSEA99, Yan00, Yan08,
YYC09, ZHM07, AA17, PBZM19, CCQ98, CH00, MW97, MHT14, MGW97, PBSV+06. basic [VMP+00]. Batch [LYL+19].
Battery [MRL+19, NSS+16, Rak09, SKM+16, CSAHR07, LCZ+08].
battery-powered [CSAHR07]. Bayesian [BLR06]. BDD [CCQ98, VKT02].
BDD-based [CCQ98, VKT02]. BDDs [BC16]. Beam [LZ17]. Behavior
[CCQ98, VKT02]. Behavior-Level [CCQ98]. Behavioral [APD+11, AA17, CLMZ10, SCH17, KRS06].
BIBN [CLMZ10]. Biased [JCK+18]. biasing [CFHM09]. BICS [RM09, RM10].
BIFEST [LTH99]. Bifurcation [HHL14]. Binary [SV07, BCR+08].
Binding [CET16, KK14, LH12, ZLQ15, BD97, CLM+10, CFX09, DS06, HLKN07, MJK13, MJM11, XK97].
Biochemical [RCK+15]. Biochips [GHR91, LHC16, LKC+18, MGR+15, RCK+15, SKS+18, SOC06, SC06].
biomedical [APB+08]. Bipartitioning [RTNL05, DPN02]. bipolar [ZYZ+13].
BIST [BBEM15, JNS+17, LWC07, PKP+03, PGB01, SSGS03]. Bit
[HHK+17, LYP13, NdL03, RMP08, RM09, RMB10, SBH+06]. bit-width
[LYCP13, SBH+06]. Bits [SSO16]. black [LAS01]. BLAS [CCYC14]. Block
[CCYC14, CCK+18, DK16, ZLG+19, KR506, LPP00, MHD+04, MS00, WCC03].
Block-level [CCYC14]. block-processing [LPP00]. Blockage [JD18]. Blocks
[AFM14, DK08, FLWW02, FLWC07, MHD+04, MS00]. BNF [WWC04].
BNF-based [WWC04]. Board [MW97]. Board-level [MW97]. Boards
[GDTF17, BPRR98, OW06]. body
[CFHM09]. body-biasing [CFHM09]. BonniRoute [GNN+13]. Boolean
[PRCK08, BR12, BD07, BC11, CCQ98, GPK+09, SGJ96]. Boosting [CMNQ08].
borrowing [LCHT02]. bottleneck [NM13]. Bound [JL15, LC96, LTPR+13, YWK+03].
Boundary [Pom19a]. Boundary-Functional [Pom19a].
boxes [LAS01]. BoxRouter [CLYP09]. branch [CBHK11]. branch-and-cut
[LLQ+03, EBR+09]. bridging [LTH99, TCP97]. Broadside
[Pom15a, Pom16a, Pom14b]. BSP [SYHL14]. BTI [GC18]. BTI-Aging
[GC18]. bubble [Yan00].
bubble-sorting-based [Yan00]. Budgeting [CXH+16, STGR15, LLHT08, LCHT02].
Budgeting-Based [STGR15]. Buffer
[LYL17, MB04, SAL19, TCI14, WHRC12, CW01, FHH12, JHL02, LLHT12, LT11, XTW05].
Buffered [Yan16, CM08]. buffering [KRS06, KC13]. Buffers [CK16].
Buildings [ZHC+18]. Built
[EO19, Pom13, SBB+18, WCB15, LTH99]. Built-In
[EO19, SBB+18, WCB15, Pom13, LTH99]. bump [DVA02]. bump-and-refit [DVA02].
Burst [CHBK15, CIX15]. Burst-Writes [CIX15]. Bus [GG99, JWL+03, LCOM07, LV02, OW06, SC01, YW09].
Bus-based [GG99]. Buses [Yan17, YG204]. Butterfly
[YP17]. Bypass [YP17].
C [LWC18, RMP08]. C-Mine [LWC18].
C-testable [RMP08]. C2RTL [ZLL+16]. Cache
[BFG+19, CPS16, GG04, HWX+14, ZYX15, JKL15, KL14, LYL17, MACV14, M16, NTSA18, SSS+19, SABSA15, SAL19, WDL17, YPF17, G16, JS13, LMM99,
[ADS+09]. Correcting [PGCB16].
Correction [DZ18, RM09, WHXZ13].
correlated [SXZV13]. cosimulation
[FLPP09]. Cost
[ABC+17, CHC+16, JPHL16, MHT14, QS09,
BPRR98, WBW14, Giv06, HCK13, LG12].
Cost-Effective [JPHL16, MHT14].
cosynthesis [Hsi00, Wol96].
Counting [YFT17].
countermeasures [DZS+18].
counting [PB12].
coupled [LMB+12].
coupling [KJKK03, LXCH04, SKCM06].
coupling-aware [KJKK03].
covariance [KPR06].
cover [SB98].
coverage [AKAKP18, CYV+14, CM13, IE12, DSH12,
FZKS11, GF06, Sen11, SDP+09, TCP97,
WPHL08]. Coverage-Directed
[IE12, CM13].
coverage-driven [CYV+14].
covering [BZWZ17].
CPU-time [SEN05, ZBP18].
CRA [LLH+17].
Crash [WL12].
Creation [NRZ+18].
criteria [CGN96].
Critical
[AKAKP18, FYCT15, GC18, IGN18,
KMR18, LC14, STJG16, ETR07, HKB+07].
critical-path-aware [LC14, ETR07].
criticality
[BB17, CV17, CYH19, SZB17, ZABGZ17].
Cross [XNZ+15].
Cross-Point [XNZ+15].
crossbar [THL+13].
crossbar-switch [THL+13].
crossing [SW99].
Crossstalk
[LWH06, HR06, JPCJ06, LCC11, MCMW08,
Mut09, ZW98].
crossstalk-driven [JPCJ06].
cryptographic [DP04].
Cubes [CLH12, WC10].
cuboidal [WYC10].
current
[CH10b, MN17, WLLL16, HLC107, HCN09].
current-ratio [WLLL16].
custom [AKAKP16, LW17, LHF12, LF12, TDF+09,
AMR00, HMVG13, TS96].
customizable [MPSJ07].
customization
[CBMM10, MKK13, MSB+09, YLP+13].
cut [CBHK11].
Cutting [LVS16].
Cyber
[SKM+16].
Cyber-Physical [SKM+16].
Cyberphysical [PGCB16].
Cycle
[LVS16, LS11, Das04, Pom14a].
Cycle-Level [LS11].
cycled [JSG09].
Cycles [AKAKP16].
Cyclic [BR12, Che18].
D [GH00, WCB15, ADDM+13, CLT+15,
DLC+17, JGM14, KKHK16, KLE18,
LLKC13, LDD+18, LHZ+06, LHC16, LW17,
LS17, OS03, RL13, SYX12, THM15,
TMDF10, WYCL10, WWC18, YHH09,
YSZ12].
D-ICs [LS17].
D-NoC [ADDM+13].
D-Stacked [STJG16].
daisy [KC13].
daisy-chained [KC13].
Dark [HAB+17].
DARP [CRC15].
DARP-MP [CRC15].
Data [CP16, DZCD15, JLU15,
KJ16, LCW18, NTS+13, PCL+09, Pom16b,
PAV17, SPC+15, SUC01, XCV12, XPZ+18,
BHW+13, BK00, WBW14, BHS11, FWCL05,
GFC+09, GMN+13, GDF09, IBMD07,
JCS+08, KMS12, KI01, KCA04, LSPC14,
LCT03, Meh98, NR03, PDE97, PDN00,
PGB01, RMKP03, SM00, VCLD03, YGZ04].
data-dominant [VCLD03].
Data-Driven
[DZCD15].
data-flow-driven [KMS12].
Databases [HCL+14].
Dataflow [ASA+17,
BMdlG17, BFG17a, BFG17b, CH17, HPB11,
JHC17, SS14, HKB+07, MHF96, MB04].
Datapath
[JR97, CL99b, GDTG07, MR05, XPSE12].
datapaths [Fuj05, Gk07, Gk09, NCP01].
DC [CFD+16, SBB+18, TWL16, WGT+17].
DC-DC [WGT+17].
DCM [TWL16].
deadlock [LM05, TDE08].
deadspace [SY07].
Debug
[EW18b, LHLP16, HW14].
Debugging [Ali12, BHK17, RPKC05].
Decade [XFJ+16].
decap [LCL08].
declare [TKV07].
decoder [CC+09a].
decoders [KHW06].
Decomposition
[ETAV18, GB07, HCD+16, KHW06, LW17,
YLZ+17, ZLY+15, CHHL06, CH00, EM03,
LM06, WSE99].
decomposition-based [EM03].
Decompression [PBL+17].
Decoupling [SCK18, XLS15].
deduction [DP02].
Deep [LYL+19].
defect
[ACT13, JT98].
defect-level [JT98].
defective [PB12].
defects [XLC13].
Defending [YFT18]. deficiency [ZCG06]. Defined [JHMGS18]. Definition [BC16, Pom15c, ZLG+19, CCC+09a, VCLD03]. Deflection [LLKC13]. degree [CT13, TP08]. Delay [FYCT15, JLI15, JK10, JOH17, MCD12, STJG16, XCW12, ZK15, BDB98, CFHM09, GS00, GMSSS02, HR06, KJKK03, LLHT12, MT02, MKW09, PT06, PMB10, PR98, PR96, RCD07, SC00, SSP04, TD03, WYY99, XLC13, XPSE12, YH97, YHL+11]. delay-area [XPSE12]. delay-sensitivity-based [PMB10]. Delivery [XLS15, ZFLS11, ZLL13]. Demand [AAA15, SKS+18, WQC+16]. Demand-Based [WQC+16]. Demand-Driven [SKS+18]. demonstrable [JW08, LP07]. density [FLWC07, OWH08, ZYP09]. dependence [DH06]. Dependencies [BR12]. dependent [BLM00]. depth [CH00, LH09, ZCG06]. depth-optimal [CH00]. depth-size [LH09]. derive [GS00]. derived [CACS05, Zho08]. Describing [RHA08]. description [MSD06, PHM00, SSCG12]. descriptions [Fu05, MWG97]. Design [ABC+17, AFM14, BJX15, BS14a, BZW17, BS14c, CD09, CH10a, CH10b, CPX14, CHC+16, CRC15, CO18, DZS+18, DHB16, EAP17, GCZ+15, GHLR91, HCRK11, HLH+15, JWJ+03, JLI15, KKL15, KLSZ09, KLSZ11, KLV15, KKS16, LLP+16, LW17, LF12, LHK+15, LZSSV15, OT15, PDS12, Poni14a, Pomi16a, Pomi18a, RS18, Sch17, SDP+09, SGGR14, SHN12, SESN15, SYX12, STGR15, TCL14, VAL17, VE016, WWCT18, WSS+18, XLS15, XNZ+15, YPCF17, YD16, ZLG+19, ZYS12, ACT13, AHL+08, APB+08, AMM+06. ADF+07, BC05, BW00, BP08, BASB01, CWW06, CIB01, CSL+07, DRG98, DTC+09, EU97, FLFV02, FLW07, FW00, FR97, GPH+09, GM03, GABP00, HV07, HA05, HJ08, HLCH07, JB98, JP08, KSS+09, KG99, KCA04, LC13, LSL+13, LFG+09, LCL08, MOZ06, MB01, MP07, MLG12, OCRS07, PB14, Ped96, Ped06, PBSV+06, PW99, RFYL98]. design [RS98, SW12, SGD10, SYL09, SSSS10, SUC01, SS11, SZV+12, TW96, THL+13, VAHH+98, Woe01, WAZ98, WR09, ZHH07]. Design-for-Testability [Pomi16a, Pomi18a, Pomi14a]. design-specific [ACT13]. Designed [KMO+12, SPT+17]. Designer [SS11]. Designing [BLNK14, DZS+18, HBC+08]. Designs [EK16, MACV14, PHKW12, VW+12, YVC14, Yan16, Yan17, ZK15, CH00, GM08, GOC02, HMB98, KI01, KK11, KWW06, LHW97, LCHT02, LLHT12, LAS01, LCKT12, MS00, MR96, RMK03, Sen11, SSSS10, SNL12, WTL+13, Yan11, ZMTC13]. Destination [RL13]. Destination-based [RL13]. detailed [CBHK11, PWY05]. Detection [CBO+18, KOO18, Pomi16b, Pomi17a, YFT17, ZHC+18, CR12, DHZ+11, FNP09, KI01, KRK98, KSA+10, LM05, PR07, RM09, SCCH08, TDE08]. Determined [Pomi18a]. Deterministic [YE12, KBV+15, LB11, KT01]. detour [YW09]. developing [SMSB05]. Development [THT12]. developments [Lin97]. Device [GHYR19]. Device-Based [GHYR19]. Devices [Kha12, LKH19, SVK17, JCS+08, ZYX+13]. DFT [DDFR13, PTC+15]. Diagnosability [CLH12, CCH15b, CH13, LH14]. Diagnosing [BDDB19]. Diagnosis [Pomi17b, SBB+18, CML98, KI01, TYH08]. Diagnostic [HVF+01]. diagonal [DSKB04]. diagrams [KC98]. dictionaries [LCT03]. dictionary [HH09]. difference [Das09]. differentiable [Cont06]. Differential [JDI+18, LLP+16, DDFR13]. differentiated [WHXZ13]. Digital [CM18, DZCD15, LHC16, LKC+18, MFHP12, MGR+15, PGCB16, RCK+15, SSS+18, SOS15, CPW04, RS03, SR12, SOC06]. Digitally [ZK15]. Dilution [GHYR19].
[RG15, KSQ+19, YYYC07, YYYC09].
Directed [IE12, QM12, CM13, HLCH07, HG07, LKTD08, MD08]. Direction [Yan18].
Direction-Constrained [Yan18].
discharging [HLCH07]. Discrete
[HLG+15, LGGJ14, MLG12, SV16].
Disjunctive [WYIG07]. Disk
[CD09, SLXZ12]. Dispatching [WHRC12].
Displacement [BFG+19]. Distance
[HRK18]. distinguishability [AGM01].
Distributed [EAP17, HXC+18, MVK18, SCK18, YMB15, CFX09, LC14, PEPP06, Wol96, dW97]. Distribution
[JCK+18, SS010, KSA+10, SW99].
Distributions [KY16, STJG16].
Disturbance [SBB+18]. Disturbance-Free
[SBB+18]. Divide [SW12, HPK99].
divide-and-conquer [HPK99]. Divided
[TMD010]. DME [wATkK02]. DNUCA
[DK16]. domain [FWC105, IAI+09, JBC+10, LTPR+13, SCV06].
domain-specific [SCV06]. Domains
[WWW+12, LBV+06]. dominant
[VCLL03]. dominated
[FRS97, K01, MWG97]. domino
[KJKK03, Z02, CL06, NTA18]. Don’t
[TPC+17, CBM10, SGK08]. don’t-cares
[CBM10, SGK08]. Double [XYG+16].
DPRTM [ADDM+13]. DRAM
[BLNK14, LYLW17, LMA+16, SSS+19, SAL19, ZZC017]. DRAM/PCM
[BLNK14, LYLW17]. DRDU [JMBD07].
DReAM [LMA+16]. Drive
[CCS15, VA17b]. Driven
[AMM+18, CYV+14, DKT+16, DZCD15, EAP17, HWG016, HWC15, LV16, LJJ12, LNC+16, SKS+18, Yan16, YP10, ZFLS11, ZSY18, CSAHR07, CZW00, DRG98, EK97, GK14, HW00, JPCJ06, KMS12, Kuc03, KSA+10, LOC12, MPSJ07, MD08, MRMP08, WY06, WLC02, XK07, Yan08, ZSZ10, MSD06]. drives [CCY14]. Droplet
[LKC+18]. DSA [YLZ+17]. DSP
[AFM14, CL99a, LP03, SXX+06, SES15].
DSPs [AM98]. Dual [BLNK14, BPTB17, HS18, KKS16, CT13, HLHT08, MLM10, SM00, WGD07, WY10]. Dual-Edge
[BPTB17]. Dual-Edge-Triggered [HS18].
Distributed [BLNK14]. dual-scanline [CT13].
dual-Vdd [HLHT08]. duplication
[CC06, WY06]. During [TPC+17, EW18b, HR06, MRC06, PTC+15, RGM90, XPSE12, YW+03, YWW10, ZM10]. duty
[JSG09]. duty-cycled [JSG09]. DVFS
[CKX+13]. Dynamic [ADDM+13, BM13, BHS11, HK15, HRP00, IAI+09, LHW+17, LV14, MDR15, ORGD+15, PBL+17, SV11, WMT+16, WSH16, AAKP08, ADM+13, AMM+06, BLR06, CMNQ10, G14, GP+09, KJ04, KSA+10, LTPT10, LLHT12, MR05, VBC07, KMR18].
Dynamically [CRC15, JPHL16, Pom18a, ARLJH06, WLC02, YLL09].
Dynamically [CRC15, JPHL16, Pom18a, ARLJH06, WLC02, YLL09].
education [CRC15, JPHL16, Pom18a, ARLJH06, WLC02, YLL09].
DynaSCORE [KMR18].
Dynamo [CRC15, JPHL16, Pom18a, ARLJH06, WLC02, YLL09].
DynaSCORE [KMR18].
Dynamo [CRC15, JPHL16, Pom18a, ARLJH06, WLC02, YLL09].
DynaSCORE [KMR18].
DynaSCORE [KMR18].
DynaSCORE [KMR18].
E-Beam [LZ17]. Early
[PBL+17, SZB17, MKBS05, SYL09].
Early-Release [SZB17]. Easy [VS12a].
ECC [KKG+16]. ECDSA
[DHB16]. ECG [APB+08]. echo
[FIR+97].
ECO [DVA02, LG12]. ECR [LTYW12].
EDA [JHMGS18]. EDF
[GDG+08, SB17, WDG16]. Edge
[BPTB17, HS18, R98]. edge-based [RS98].
editor [Ano13]. editor-in-chief [Ano13].
Editorial [CH10b, CPX14, D05, D06, D07, D08c, D08a, D08b, I00, MD13, PD08, TK18, SJ02, Mar00].
Effective
[LWH+17, NSS+16, WCC14, WSH+18, WSRH16, LTH99].
Effect [DS06, JP16, LC+10, LT+16, LCD18, PCT+17, XLY+18, YVC14, YLZ+17, LPP00, LSC14, MHT14, SBC08, WSV+14, XCL13]. effectiveness [WAZ98].
Effects
[BDB98, BFL10, GC18, MRB+11, RJS09].
Efficiency
[KKLG15, LWC18, TCL14, KJT04, ZAZ13].

Efficient
[AKAKP18, BS14a, BHD09, BW00, CYV+14, DMR10, EO19, GFJ16, HMB98, HAB+17, HKB+07, HCS01, HG07, HWX+14, JLK15, KBN09, KC10, KW02, LHLF16, LJ18, LDD+18, LHZ+06, LWZ+19, LF12, LHCT05, LM96, LB11, NTSA18, PMP17, RMR09, RGM15, SPC+15, SPMS02, SS15, SRC15, TLCF16, WKL+18, WJY+07, WWFT12, YPCF17, YCHT00, YP10, ZYW+18, ZLG+19, ARLJH06, Das09, FNP09, GM03, GBC07, IBMD07, JS13, JP08, KL05, LCD07, LH13, MR05, MP07, MWG97, SGD10, SLXX12, SHN12, SZV+12, VKKR02, Wu09, ZSZ10, ZYW+13, Zhao08].

Efficiently
[RCG+08, TY19, ABL+13].

Eh
[DKT+16, DBK+18].

Elastic
[LYL19, SZB17].

Electric
[VA17b].

Electron
[HCW+16].

Electronics
[CPX14, CH10a].

Electrostatics-Based
[CLC+15].

Element
[CLT+15, ZK15].

eliminate
[Mut09].

Elimination
[LHF12].

Embedded
[BMD17, BD14, BS14c, BM11, DFM15, EAP17, HCL+14, IGN18, KC10, LL15, LHLF16, LHK+15, NSH+16, PG15, SPT+17, SL18, WHRC12, XPZ+18, YP10, AM10, BPRR98, BH10, CSAHR07, CMM00, CSL+07, CM13, DCK07, DCK09, DRG98, GDTG09, GPH+99, GG04, GAB00, HKL+07, HV07, HCK13, IAI+09, JS13, KNDK96, LJV02, LCZ+08, LSDV10, LB00, LMW99, LDK99, MB01, MDG98, ML09, NG06, NR03, PDR97, PDB00, PHM00, PEPP06, QS09, RSR01, SR12, SUC01, TKVN07, WAZ98, Wdl06, XZC09, ZYDP08, ZP08].

Embodiment
[CM18].

Emerging
[BRC18, SN10, YPCF17, BC08].

Employing
[GS13, ZK15].

emulated
[THC+14].

encryption
[ADP+07, HMVG13, KRK98, MW97].

Enabled
[YSF+18, LSL+13, YFT18].

Enabling
[JS13, ZHOM08].

Encoder
[QSW+15].

Encoding
[MDR15, OT15, PMP17, YMB15, ZLG+19, KJT04, LCD07, LWC07, NT05, RTNL05, YGZ04].

Encryption
[Che18].

Endurance
[HCW+16].

Employing
[GS13, ZK15].

emulated
[THC+14].

energy/thermal/cooling
[ANR13].

Engine
[LLL+18, TMDF10, CNQ13, DP02, DP04].

Engineering
[CM18, EAP17, GDTF17, WSS+18].

Engines
[HLK+15].

Enhance
[DLC+17, GS13].

Enhanced
[CYM19, LKH19, Pum15a, TWL16, FWC15].

enhancement
[WX13, LCKT12].

Enhancements
[Che18, ZAZ13].

Enhancing
[CCL+16, NRDB19, PPP+15].

Enlarged
[GS13].

Enterprise
[DKK+15].

Enumerative
[STJG16].

Environment
[RHN00, HKL+07, Hsi01, SCV06].

Environmentally
[YBS+18].

EPGAs
[YTHC97].

EPIC
[AMR00].

ePlace
[CLC+15].

Equivalent
[AA17, Fuj05, AGM01].

era
[HAB+17].

ERfair
fixed-length [LCT03]. Fixed-Point [WDZG16, MHQ07].
Fixed-Priority [WDZG16, MHQ07]. Flash [CCK+18, HCL+14, KC10, PPP+15, WQC+16, WL12, ZLW+15, HCK13, JCS+08, Wu09].
Flash-Based [HCL+14, KC10].
Flash-memory [Wu09]. Flattened [ZYPC17]. Flexible [BHK17, IG18, LKC+18, RS18, CL99b, MS00]. FlexRay [SGC+14]. Flip [HS18, KMO+12, XCW12, Yan16, KOS09, KSA+10, LLLC13, Yan11, ZMTC13].
Flip-Chip [Yan16, Yan11, ZMTC13].
Flip-Flop [KMO+12, XCW12, LLLC13].
Flip-Flops [HS18, KOS09, KSA+10].
Floating [BS14a, SKCM06, WG11].
floating-point [WG11].
Floorplan [KQP+19, YVC14, YCCG03, HCS01, LCL08, MRMP08, SY07]. Floorplan-Guided [YVC14].
Floorplanning [HCRK11, HCZ+16, KLE18, HMLL11, LHZ+06, LCC11, LLM01, SYZ08, WLCJ09, YYC07, YYC09].
floorplanning-based [LCC11].
floorplans [DSK01, MSKBD07, MS00, WYC10].
Flops [KMO+12, XCW12, LLLC13].
Flow [HS18, KOS09, KSA+10].
Flow [HMO+14, IG18, KW16, PDS12, QSW+15, RJ14, BFP08, DTC+09, GDF09, KMS12, LC13, OM08, WC06]. Flows [JLJ15].
Fluids [GHYR19].
Fluids [RHK+15]. FOLD [Pom15b]. Folded [AFM14, HS18].
Folding [Pom15b, BHS11, TS96]. footprint [AMM+06]. Forced [RSR01]. form [CW01, PR09]. Formal
[Ali12, BGM04, EW18a, KMS12, KG99, SSS+19, SGGR14, VS12a, ADS+09, CMM00, MR06, RFYL08, SMSB05, VS12b, Zho08].
Formally [KRH18]. formats [AMR00].
Forming [PR07]. FORTIS [GSFT16].
Forward [GSFT16, GS00]. Four [HLC16].
Four-Step [HLC16].
Fourier [LCC+15].
FPGA [AMM+18, ACT13, BS14c, BHS11, CWW96, CZW+03, CH00, DP02, EW18b, FW00, GPK+09, GVJ15, HABS15, HLHT08, HW14, JLF+12, K96, KL05, KFH+08, LKM04, LLL+18, MW97, MA16, MP07, PL98, PSNC18, TW96, ZLQ15, ZHTC09].
FPGA-based [MW97, PSNC18, DP02, GPK+09].
FPGA/FPIC [CZW+03]. FPGAAs [CZW00, CEB06, CHY05, DVA02, GDG+08, KNK06, LB11, MCZ+16, MLMM08, SPMS02, Tes02, VKE02, WGL11, WLC02, WSEA99, YGH+10, YYLL09].
FPGAs [CZW+03]. Framework [DK16, GDTF17, JPH16, LL15, SKM+16, THT12, WWFT12, YP10, ZL+16, ADP+07, HR06, HV07, KJ+08, KH10, MPS07, MP07, RPKC05, SB98, SBH+06, SS11, ZM07]. Free [RGM15, SBB+18, BLR06]. frequencies [PL03]. Frequency [GC18, JPH16, WTR12, WGS16, GM08, JDT+08, LTPR+13, ML09].
freQUENCY [LTPR+13]. frequent [YGZ04]. FSM [AGM01]. FSMs [CK16]. fuel [LCZ+08].
fuel-cell-battery [LCZ+08].
Full [STWX12, HDL+12]. Full-Chip [STWX12].
fully [FW00]. Functional [CVMP19, DCK07, FR97, PR98, Pom15b, Pom15c, Pom16a, Pom16c, Pom18a, Pom18b, Pom19a, VLH98, WSEA99, XLY+18, CMB07, CK96, LOC12, MT02, Pom13, Pom14b, Vah99].
Functionality [BFV15, HLCH07]. functionality-directed [HLCH07].
fundamental [BC11, CCQ98, TW96].
Fundamental [XLNB17, Voe01]. FUNI [LIA00]. Future [HAB+17, KVB+15, ZZZY17].
FuzzRoute [RGM15].
GALS [SS11]. GALS-Designer [SS11].
game [HR06, RJJ+09].
game-theoretic [HR06].
Garbage [GSD+18, HCL+14, ZLW+15].
Gate [CDB11, Che96, HMO+14, KKS16, LGGJ14, SV16, SRC15, CCW08, CH02, CD96, CH00,
Gate-Level [CDB11, HMO+14, Che96].
Gated [CM08].
Gates [WS0+18, KO11].
Gateway [CDB11, HMO+14, Che96].
Gating [CM08].
Gaussian [ZYW+18].
GBDD [YTHC97].
General [CH02, wATkK02].
Generalized [Pom15c, DS06].
Generated [CCH15b].
Generating [MFS09, MN17, K01].
Generation [BKW15, BF15, CV+14, IE12, LCV12, LV14, LCY18, MFH12, MCD12, PCT+17, Pom17a, Pom17b, Pom18b, SH17, STJG16, SOS15, WWW+12, YLZ+17, YD16, AM98, CK96, Che96, CL99a, CCW08, GF06, HR00, KKM02, KJR+07, KNDK96, KH10, LTH99, LKT08, MMP00, MDS06, MD08, PR98, PR07, Pom13, QM12, SR12, SNL12, SM00, TB13, VM+00, dW97].
Generator [BCR+08, WWC04].
generic [FLWW02, FLWC07].
Genetic [MA16].
Genetic-Algorithm-Based [MA16].
Geometric [CM18, WJYZ11].
Geometry [JCGP05].
Global [AOC02, BM11, RGM15, WSH+18, CLY09, SPA+03, ZHTC09].
Global/Local [BM11].
Globally [PMS15].
GMDF [FIR+97].
good [GMN+13, YW+03].
GP [APS18].
GPPU [SBR+17].
GPPUs [HIW15, TLCF16].
GPlace3.0 [AMM+18].
GPU [CDB11, HCRK11, LLK+14, LH11].
GPU-Based [LH11].
GPUs [SABA15, TY19, WKL+18, ZWD11].
Gradient [SV16, GBC17].
gradient-based [GBC17].
grading [PT06].
Grain [LG18].
grained [KLSP11].
Grammar [JHMGS18].
Graph [CH17, JHMGS18, JOH17, LB00, SS14, WYC10, W06].
Graph-based [LB00].
Graph-Grammar-Based [JHMGS18].
graphene [YMC+13].
graphical [BLR06].
Graphs [ASAP17, BFG17b, CM18, CCH15b, HPB11, LH14, CH13, DSK01, HKB+07, KTD98, MAF96].
Gravity [OS03].
Grid [HXC+18, MN17, SCK18, ZS16, MFS09].
gridless [LCC11].
Grids [BS14b].
GRIP [JHMGS18].
Ground [LHJ12, YHH09].
Grouping [XCV12, KSA+10].
Guarantee [MN17].
Guaranteed [PMS15].
Guest [CH10b, Mar00, SJ01].
Guidance [ZKS+16].
Guided [YVC14].
Guiding [EW18a].
Hamming [HRK18].
Handling [DH06].
Hard [CHBK15, WDZ16, PW99, QS09].
hard/soft [QS09].
Hardened [BS14a].
hardness [WYC10].
Hardware [BS14a, BM11, CMM00, DZS+18, GFJ16, GQW19, IPWW17, KTKO13, LG18, LHF12, LF12, MFH12, MRL+19, TY19, XFJ+16, YSF+18, YGH+10, ZLG+19, AM005, BHDS09, BGM04, FNP09, GGB97, GPK+09, HKL+07, HBC+08, JW08, KSK+05, KG09, LP07, LVL03, MSB+09, MLC08, ML09, RHA08, SSG12].
hardware-accelerated [MLC08].
Hardware-Assisted [GFJ16].
Hardware-Based [BS14a].
Hardware-Efficient [ZLG+19].
Hardware-Enabled [YSF+18].
Hardware-Software [BM11, GGB97, HKL+07, LVL03].
Hardware/Software [LHF12, CM00, KTKO13, YGH+10, AM005, ML09].
Harvesting [SAL19, XP+18].
hash [YTHC97].
Hashing [JCK+18].
 hazards [HA05].
Heaps [KLK+17].
heartbeat [DHZ+11].
 heartbeat-detection [DHZ+11].
Heterogeneous [ETAV18, RS18, SPT+17, SVK17, SSL17, SAL19, TBC17, BSW14, CL99a, HV07, KJR+07, LLKY13, PTC05, QS09, SCB01, SJK12].
Heterogeneously [ZP08].
Heuristic [AKAP18, HGLC16, CLM+10, LCKT12, OCRS07, SBGD13].
heuristics [TN99].
Hierarchical
16

[CV17, LMB+12, LJ18, MSKBD07, TZ17, WMT+16, XT16, BG01, HKV+07, VKKR02, ZM07], hierarchy [FW00]. High

[AKAKP18, Ali12, CET16, CK16, DKT+16, DBK+18, DLC+17, GHW+12, HI15, JD00, LLL+18, LYKW09, MACV14, PTC05, RJ14, Sch17, SS14, VAAH+98, WMT+16, ZYW+18, ZLG+19, ACT13, AYM05, BHW+13, BD00, CCC+09a, GDTG07, GF06, GGDN04, GWR13, HJ08, JP08, KW02, KJT04, LJ02, LC14, Lin07, LFG+09, MKBS05, MJM11, MLMM08, NS03, OW06, OWH08, PB14, RFYL98, SW12, SLXZ12, TC98, VKKR02, X97, YWW10],

high-density [OW08]. High-Level

[AKAKP18, Ali12, CET16, CK16, DKT+16, DBK+18, DLC+17, GHW+12, HI15, JD00, LLL+18, WMT+16, ZYW+18, ZLG+19, ACT13, AYM05, BHW+13, BD00, CCC+09a, GDTG07, GF06, GGDN04, GWR13, HJ08, JP08, KW02, KJT04, LJ02, LC14, Lin07, LFG+09, MKBS05, MJM11, MLMM08, NS03, OW06, OWH08, PB14, RFYL98, SW12, SLXZ12, TC98, VKKR02, X97, YWW10],

High-Performance

[DKT+16, DLC+17, LLL+18, WMT+16, GHW+12, LYKW09, GDTG07, GWR13, LJ02, LFG+09, NS03, SLXZ12],

high-quality [BHW+13]. high-speed [OW06]. High-Throughput [HIW15].

Higher [BS14a, XPSE12]. History [JM14].

History-Based [JM14]. High-throughput [SAL19].

Hmap [YTHC97]. HMP [SP+17]. hold [KSA+10]. hold-driven [KSA+10]. holding [Pom14a]. Hole [YLZ+17]. Holistic

[RGT+14]. HoPE [PBL+17]. Hot

[PBL+17]. Hot-Cacheline [PBL+17].

Huffman [BH10, NT05]. Huffman-based [BH10]. huge [HCK13]. huge-scale [HCK13].

HW

[AD+07, FLPP09, WWFT12]. HW-SW [AD+07]. HW/SW [FLPP09, WWFT12].

Hybrid

[BLNK14, GCL+16, KK12, LK17, LYLW17, LV14, LGJJ14, MACV14, SLXZ12, WSS+18, CLYP09, KT01, KKMB02, LCZ+08].

Hypercub [TMDF10].

I/O [LC13, Wu09, Yan16]. IC

[AB+17, EK97, K11, KKHK16, LCJ+10, Ped06, WCB15, WSS+18, ZLL13].

IC/MCM [EK97]. ICOS [HLC98]. ICs

[CM18, CLT+15, GSFT16, LH12, LS17, THM15, WWCT18, YHHO9]. IDDQ

[TCP97]. identification

[DA+12, JD+08]. identify [LIA00]. Idle

[LC07]. Idleness [GSD+18]. IDs [SOS15].

II [JW08]. ILA [HZS+19]. illegal [LIA00].

ILP [GBK07, MRC06, WM97, OCRS07, OK08, SR12]. ILP-based [MWG97, OK08].

image [WYIG07]. Impact

[GBK07, MDR15, TY19, XNZ+15, KTKO13]. implement [ADM+13]. Implementation

[ALL17, HCRK11, JM14, KKLP15, MAS16, ORG+15, ZABGZ17, CD09, JWL+03, KYN+12]. Implementing

[HKL+15, KBA08]. implication [WC06]. implications

[BLM00, DA+12, GGBZ02, ZLL13].

Implicit [PT06]. imprecise [PKP+03].

Improve [KKG15, Pom19b, WHXZ13]. Improved [HWGY16, KKLP15, LW18, Giv06, LV02, PDN97, Vah99].

Improvement

[JGM14, KMO+12, THM15, DD02]. Improvements [AKSP16, VLH98].

Improving [CL13, CHC+16, KRS06, KY16, RAKK12, WDD17, WSH+18].

In-Cache [BFG19]. In-network

[CKX+13]. In-Order [ZBP18]. in-place

[KCKG13, WW10]. In-Scratchpad

[DFM15]. In-Situ [SL18]. Incomplete

[Pom19b]. Inconsistency [XP+18].

Increase [KMR18]. Increasing [HW14].

Incremental

[BS14b, EO19, HKV+07, LYP17, LNG+16, SGGR14, DVA02, LG12, LLM01, SMSB05].

Independent [Pom16b, VEO16]. Index

[BC16, HCL+14, HCK13]. index-based

[HCK13]. Index-Resilient [BC16].

indexed [AC06]. indexing [Giv06]. indices

[LCT03]. indirectly [AC06]. Indoor
Induced [CIX15, GSD+18]. Inductive [IPWW17, HMLL11, LXCX404]. Information [HMO+14, ZBPF18]. Informative [TEK18]. Initializability [CPR+02]. Initialization [WL12].

Injection [MLH+17, BPRR98]. Input [JK10, LV14, Pom16a, Pom16c, SRC15, BD05, BH03, CCW08, KM97]. Inputs [Pom18a]. Insertion [HS19, LTW+16, CW01, JHL02, LXCX404, LLHT12, LCL08]. Insertion/sizing [CW01]. Instinctive [MVK+18]. Instruction [HKL+15, HZS+19, KKMB02, LPD+17, LCD07, LHF12, LF12, OT15, SEN05, AMRO00, Hua01, KSK+05, KTKO13, KW06, LP03, LLHT03, LYCP13, LMG09, WH05].

Instruction-Level [HZS+19, SEN05]. Instruction-Set [HKL+15, LP03]. Instructions [KAKSP16]. Instrumenting [MPDG09]. Integer [ETA18, TZ17, GH00]. Integer-programming-based [GH00]. Integrate [LLH+17]. Integrated [HMLL11, HWX+14, HS19, JNCS19, KK14, KLE18, NCP01, RGM15, SHD17, BWB14, LF12, OT15, SEN05]. AMRO00, Hua01, KSK+05, KTKO13, KW06, LP03, LLHT03, LYCP13, LMW09, WH05].

Interconnection [CFX09]. Interconnections [KM97]. interconnects [CML09, CH06, XZC09]. Interface [LHLP16]. Interfaces [PMP17].


Investigation [XLB17]. IO [Yan11]. IoT [CARH18, XLB17, YFT17, YFT18]. IP [BFV15, JHMG18, SGSS03].

IP-Integration [JHMG18]. IPs [GSFT16, LHX+17, LG18, SCH17]. Irregular [KCKG16, KCKG13]. ISAs [SBH+06]. Island [LCY12, GM08]. Islands [JPH16].


Jointly [CCK+18, GYT12, ZLW+15]. Journal [SN10]. JPEG2000 [GFC+09].


languages [BGM04, Edw03, SSG12]. Large [CSX+05, JZYX15, LYL+19, YVC14, AM10, DD02, HH09, MRB+11, SCB01].

Large-Scale [LYL+19, YVC14, CSX+05].

Last [KLJ14, SABSA15, SAL19, CKX+13].
Last-Level [KLJ14, SABSA15, SAL19].
Latch [JNCS19, LCHT02]. latch-based [LCHT02]. Late [LG12]. Latencies [Sch17].
Latency [QBTM16, YKCG14, ZYPC17, WHXXZ13].
Latency-Minimal [ZYPC17]. Lattices [GSS14, HMO+14].
Launch [PTC+15, WWW+12, XCW12, WPHL08]. launch-off-shift [WPHL08].
Launch-on-Capture [XCW12]. Launch-On-Shift [PTC+15, WWW+12]. Launch-to-Capture [PTC+15].
Layer [LYCP17, WL12, Yan17, CLYP09, DDNAV04, OW06, Yan00]. Layout [CFD+16, DZ18, LZ17, LCYN18, RCK+15, SPC+15, WPHL08, XK97, YLZ+17, ZLY+15, GS00, GH00, KG97, WJJYZ11]. Layout-Aware [RCK+15, WPHL08]. Layout-driven [XK97]. layouts [GFC+09, LM96]. Lazy [ZLW+15, ZLW+15]. Lazy-RTGC [ZLW+15]. LDOs [SCK18].
leaf [dW97]. Leak [PCT+17]. Leakage [CFHM09, DHB16, HYN15, JK10, STWX12, SYHL14, XT16, YLLL09, ZBPF18, CS07, CCW08, KOS09, MLG12, YLL06]. Leakage-aware [YLL09]. Learned [XFJ+16]. Learning [EW18a, HXC+18, IE12, LG18, LYHL14, PJ14, TEK18, ZKS+16, ZHC+18, STL+13]. Learning-Based [LG18]. Least [LLJ15].
Legalizer [DBK+18, DBK+18]. length [CCC09b, Con06, LCT03]. Lens [KPSW09].
Lessons [XFJ+16]. Level [CDB11, CET16, CLMIZ10, DKZ+15, HKL+15, HMO+14, HZS+19, KLJ14, LL15, LG18, LS11, PDS12, Pie16, RJ14, SABSA15, Sch17, SS14, SAL19, WLDL17, AYM05, BdM00, BD00, CCYC14, CIB01, CXX+13, Che96, GM08, GG99, GS00, GGD04, HJ08, JD00, JR97, JP08, JT98, KI01, KRK98, KW02, LC14, LLQ+03, LTPT10, Lin97, MW97, MOZ06, MKBS05, MT02, MJM11, MLM08, OCRS07, PB14, PDPK09, PTC05, Ped06, PBSV+06, RFYL98, SW12, Sen11, SEN05, TC98, TJ99, Vah99, VAAH+98, VKKR02, VS12b, WTL+13, XK97, YWW10, ZHM07, ZLL13].
Leveling [CCH+15a, CHC+16, Kha12, CD09]. levelized [KPR06]. Levels [BFL10]. LFSR [KJT04, Pom17a, Pom18b]. LFSR-Based [Pom17a, Pom18b]. Libraries [ACF+11]. Library [KRH18, KKS16, MCZ+16, BD97, DDNAV04, JD00]. Library-Based [MCZ+16, DDNAV04]. lifetime [HDL+12].
ACF+11, ALL17, BPTB17, CH10b, CM08, CHHL96, CLMZ10, GBR07, HLKN07,
HTCP13, LTYW12, LSL+13, LS17, MKK13, MACV14, PMB10, Pom14b, RFB10, SESN15,
TWL16, TMDF10, WGT+17, YKCG14, ZK15, BD00, BPRR98, CH10a, CCX06, DS06,
GOC02, HLCH07, HCK13, JWL+03, KBN09, KKH+02, KJR+07, KHW06, KYN+12,
LLHT03, LYCP13, LHW97, ML09, RTNL05, SUC01, TJ99, YGZ04, ZYDP08, ZP08].
Low-Complexity [LTYW12]. Low-cost [BPRR98, HCK13]. Low-energy [LSL+13].
Low-Latency [YKCG14]. Low-overhead [PMB10]. Low-Power [ALL17, BPTB17,
CH10b, CLMZ10, GBR07, LS17, TWL16, TMDF10, WGT+17, ZK15, CM08, HTCP13,
MKK13, Pom14b, RFB10, BD00, CH10a, DS06, GOC02, HLCH07, JWL+03, KBN09,
KKH+02, KHW06, KYN+12, LYCP13, ML09, RTNL05, SUC01, ZYDP08, ZP08].
Lower [LC96, TC98]. lower-bound [LC96]. Lowering [JLK15].
LUT [CD96, CH00, KNRK06, LKM04, VKT02].
LUT-based [CH00, KNRK06, LKM04, VKT02]. LVS [LBV+06].
MAC [BS14a]. Machine [EW18a, HXC+18, IE12, LYHL14, ZHC+18, CK96, KMC97, MMP00, PHM00, MSR09].
Machine-Learning [ZHC+18]. Machines [DMR10, BDC08, CHHL96, MS08, BHDS09].
Macro [LJ18], macrocell [CHY05].
Management [ABC+17, BM11, CHBK15, DLC+17, DMR10, GCL+16, HC17, HXC+18,
KKLG15, LHW+17, MDR15, PJL14, PBZM19, VA17b, WMT+16, AHAKP08,
ADDM+13, AMM+06, ANR13, BHDS09, BMJ13, CLQ12, DS05, FHHG12, GK14,
HCK13, IBM07, LMB+12, STL+13].
Many [SESN15, WMT+16]. Many-Core [SESN15, WMT+16]. Manycore [KLK+17].
Manycore-Based [KLK+17]. mapper [YTHC97]. Mapping [CPS16, ETAV18, HABS15, HAB+17, ZYP17, CSL+07, CH02, CH00, CHY05, JP12, JD00, KL05, LKM04, MB01, PL98, SKS12, WY06, WSEA99, ZS02]. Marching [CCH+15a]. Marching-Based [CCH+15a].
MCEmu [THT12]. MCM [EK97]. MCM [EK16]. MPAT [LLK+14].
MCUs [MRB+11]. MDE [ORGD+15].
mean [Das04]. Measurement [APDC17, CRT19, JB98, LG12].
Mechanisms [CBO+18, GBK07]. memetic [LFG+09]. Memories [AAA15, DFM15, JSA18, JD00, MRB+11, NR03, OK08, RMB10, SFG+08]. Memory [BLNK14, BD14, CPS16, CCK+18, CIX15, DFM15, JCK+18, KLSP11, KKLG15, LLL+16, LWZ+19, PND97, PPP+15, PBZM19, SSL17, TLF16, TRM+16, TMDF10, WQC+16, WDZG16, WGS16, XNZ+15, ZLW+15, ZZCY17, AMM+06, BD08, BHDS09, BGN+07, CPW04, CJLZ11, HKV+07, IBM07, JCS+08, Kan06, KG09, LSPC14, MB04, NdLCR03, OK08, PDNO0, PCD+01, SUC01, SM00, WH05, Wu09, ZYZ+13, ZP08]. Memory-Based [BD14, CPS16, LWZ+19].
Modification [JK10, PAV17]. Module
[LCYN18, SC06, CCX06, SCJ01, TW96].
modules
[CWW96, CZW+03, KT96, OWH08].
Modulo [PG15]. Monitoring [FYCT15,
LL15, LHL16, LLH+17, SL18, APB+08,
CXX+13, CBR+05, KP13, WJY+07].
Monolithic [LDD+18]. Monotone
[DPNB02]. Monte [GLY+12]. morphing
[RAKK12]. MOS [ZK15]. MOSFET
[BFL10]. motes [RFB10]. Motion
[FG18, ZLG+19, DHV+00, KMS12].
Movement [HWGY16]. MP [CRC15].
MPSoC
[BGN+07, GK14, KKJ+08, KH10, SGD10].
MPSoCs [ADP+07, MHT14, RGT+14,
SKS12, SSL17, YP10]. MRAM [JZY15].
MSG [WY06]. MTCMOS [HLCH07].
Multi [BS14c, CYH19, ETAV18, HC17,
JOH17, KLE18, ZLY+15, CNQ13, HGBH09,
HMB98, KOS99, MPSJ07, PB14, Pom14a,
RAKK12, SZY+12, Wu09]. multi-
[KOS99]. multi-bank [Wu09]. Multi-Core
[CYGH19, ETAV18, RAKK12, SZY+12].
multi-cycle [Pom14a]. multi-engine
[CNQ13]. Multi-FPGA [BS14c].
multi-MoC [MPJ07]. Multi-Mode
[JOH17]. Multi-Objective [KLE18, PB14].
multi-phase [HMB98]. multi-processor
[HGBH09]. Multi-Start [ZLY+15].
Multi-threaded [HC17]. multibank
[WH05]. Multicast
[WWCT18, XS16, XCF18]. multichip
[OWH08]. Multicore
[BM11, CRC15, DFM15, HWX+14, JPHL16,
KLSZ11, LS11, LHK+15, LMA+16, QBTM16,
SPT+17, SAL19, THT12, WDZG16,
BHV+13, CNQ13, DSH12, HLD+12, KP13,
LPTP10, Pdl11, QM12, SNL12, WTL+13].
Multicycle [Pom15a, Pom13].
multidimensional [SGBD13].
multidomain [AM10, BMJ13].
multifunctional [AM10]. Multiharmonic
[WGT+17]. Multilayer
[KKHK16, LLLL18]. Multilevel
[HPBW14, JZYZ15, PJL14, JCS+08, SGK08].
multilevel-cell [JCS+08]. multimedia
[HLK+07, ZHM07, ZHOM08]. multimetric
[HR06, RGM09]. Multimode [SSG03].
multiplane [AJM13]. Multiple
[BM11, GY12, KRL15, Pom16b, SRC15, WC06,
YLZ+17, CH96, GM08, JH97, KFH+08,
LBV+06, LLHT12, MRB+11, MR05,
NdLCR03, PT06, PMB10, RMKP03, RM09,
SBGD13, WLT08, WLCJ09, WSEA99].
multiple-bit [RM09]. multiple-choice
[SGBD13]. multiple-output [WSEA99].
multiple-project [WLT08].
Multiple-Supply [BM11].
Multiple-Transient [KRL15].
Multiplexed [LHC16]. Multiplexer
[Pom18a]. Multiplication [GYT12].
Multiplierless [ACFM12, AFM14].
multipliers [RMPJ08]. multiprocessing
[ZM07]. Multiprocessor
[CHBK15, CH17, JOH17, KFH+08, NSH+16,
APB+08, DCK07, DCK09, DCK10, HCLC98,
Kan06, MOZ06, WLL+11, WG11, ZAJ+12].
Multiprocessors [HAB+17, JGM14,
KBV+15, PJL14, IAI+09, PT05, ZYDP08].
Multirate [ZAGBZ17]. multistage
[LO08]. multistandard [CCC+09a].
Multitarget [SKS+18]. multitasking
[NG06, PW99]. multiterminal
[JCP05, MW97]. Multithread [SYHL14].
Multithreaded [HPB11]. Multiversion
[HCL+14]. multivoltage [CCX06].
Multiway [FW00]. mutually [DK08].
N [PR07]. N-detection [PR07]. NAND
[PPP+15, WQC+16, ZLY+15]. Nanometer
[BFL10, BPTB17, STWX12]. nanoribbon
[YMC+13]. Nanotube [WSH+18].
Navigation [MV+18]. NBTI
[BDB12, CMP10]. NBTI-Aware [CMP10].
Near [KCKG13, SHN12]. Near-optimal
[KCKG13]. near/sub [SHN12].
near/sub-threshold [SHN12]. Nested
[AA17, CL99a]. Nesterov [LCC+15]. net
[LXCH04, MW97]. nets [JCGP05].

Network
[CARH18, HCZ+16, HXC+18, KLK+17, LDD+18, LW17, MT15, XS16, XCF18, YKCG14, ZYS12, CSC08, CL13, CM08, CKX+13, CCL04, HW14, KMC97, LCOM07, LLKY13, LLKC13, OCRS07, RFB10].

Network-on-Chip [LDD+18, LW17, XS16, XCF18, YKCG14, ZYS12, CSC08, LCOM07, LLKY13, LLKC13]. Network-on-Chips [HCZ+16]. Networked [KC10]. Networks [BKW15, BDBB19, IHM15, JLJ15, LYL+19, MPM+17, SRTG19, XLS15, YMB15, ZFSL11, ZYPC17, ZMP16, BLR06, CKX+13, CBR+05, GWR13, HMVG13, JP12, JSG09, MD13, MDM07, OM08, RL13, TDE08, VS12a].

Networks-on-Chip [BDBB19, IHM15, JLJ15, CKX+13, JP12, OM08]. Networks-on-Chips [BPTB17, CLMZ10, GDTF17, MACV14, KJR+07].

Neumann [KT01]. Neural [LYL+19]. Neuron [ZK15]. Neuron-MOS [ZK15].

Next [YD16]. NoC [ADDM+13, HWX+14, MHT14, QBTM16, TCL14, SPT+17].

NoC-based [MHT14, HWX+14, QBTM16]. NoC-HMP [SPT+17]. NoCs [AJM13, DLC+17, JM14, KPF16, MT15].

Node [BDB12, PDS12, DHZ+11, JSG09, ZHOM08]. node-centric [ZHOM08]. Nodes [BPTB17, NSS+16]. noise [GBBZ02, HR06, HMLL11]. nominations [Ano13]. Non [GLY+12, LL15, SL18, STJG16, WDLD17, ZYW+18, KCKG13].


obstacle-aware [SMYH07]. obtain [MS00]. Occupancy [ZHC+18]. Octilinear [HGLC16, Yan08]. Off [FG18, PDN00, RYL+09, WPHL08]. off-chip [PDN00]. Office [GCL+16]. Offline [MGR+15]. offs [FFHG12, PCC09, WYG99, WGDK07, XPE12]. OLED [LKH19]. On-Chip [ALL17, JNS+17, JZYZ15, SCK18, ZYPC17, LCOM07, PDN00, ZSZ10, ADS+09, CCL04, KP13, LH13, NR03, PPDK09, YLP+13, ZM07].

On-Demand [AAA15]. Once [CHBK15]. One [XFJ+16]. Ones [PB12]. Online [ZAJ+12, ADDM+13, CSAH+07, RAKK12]. Only [CHBK15]. open [BCR+08, BD05]. open-source [BCR+08]. Operating [TWL16, PBM10]. Operation [BPTB17, CLMZ10, GDTF17, MACV14, KJR+07].

Operations [BC16, LWZ+19, ARLJH06, BG01, HPK99]. operators [BD05]. opportunities
Opposite [HCN09]. Opposite-phase [HCN09]. Optical [DZ18]. Optimal
[ABC^17, BKW15, BASB01, Cha01, CCX06, CARH18, CH06, FG18, GSS14, HWCL13, KNDK96, LCHT02, OWH08, PL98, SCK18, TS96, TPC^+17, ZW98, BW00, BMJ13, CACS05, CGN96, CH00, DSK01, GH00, KCKG13, LH09, MKW08]. Optimization
[ACFM12, BZWZ17, CYH19, CK16, DHVW18, DZCD15, GLY^+12, GK07, HLG^+15, HS19, JPCS19, KKK12, KKS16, LHC16, LZZSV15, LH11, LYCP17, PPP^+15, SYHL14, SRTG19, TRM^+16, WHRC12, WK12, WSRH16, BLM00, BDM^+99, BdM00, BCC08, BDB98, BFP08, BOC00, BGN^+07, CL2L06, CSC08, CCC09b, CFX09, CBJL11, Con06, DP02, G04, GBC07, GDF09, GHW^+12, H06, HPK99, HG07, JC06, KJKK03, KLSP11, KCKG13, KSA^+10, LLHT03, LCHT02, LC07, LLC13, MBK05, MHT14, MKW09, MLG12, OM08, PCD^+01, PEPP06, RGM09, RJBS09, SB98, SPA^+03, THL^+13, VKKR02, VLH04, WGD07, WLL^+11, XZC09, G09]. optimizations
[GG04, KRS06, SSG12, SC00, ZHTC09]. Optimized
[ACF^+11, BC05, HCRK11, VA17b, ZABGZ17, ZYS12, KCA04, SY07]. Optimizing
[GYT12, KSK^+05, LPP00, LAS01, SY08, ZLW^+15]. optimum
[Das04]. Orchestrated [SAL19].
Orchestration [EW18a]. Order
[DZCD15, KQP^+19, SXZ13, ZBPF18].
Ordered [JD18]. Ordering
[AJM13, GKM05, LHC04, MKW08]. organization
[PDN97]. Oriented
[RGT^+14, HCLC98, Hsi00, Hsi01, LHZ^+06, Sen11]. Orthogonal [GLY^+12].
outbreak [FNP09]. Output
[JMI4, WSEA99]. Overhead
[WLL^+11, MHQ07, PMB10].
Overhead-aware [WLL^+11]. Overlapping
[KCKG16, YYG^+16, KCKG13]. Overlay
[EW18b].
FYCT15, KPF16, LVS16, LLLL18, MCD12, STJG16, TD03, ETR07, LC14, PT06, PMB10, SHLL98, SSP04, XLCL13, Yan08.
Polynomials [GLY+12]. port
[CL13, SBC08]. port-scalable [SBC08].
portable [LCZ+08, Rak09]. POSE [Hsi01].
Positioning [HK18]. Postlayout [CLLK06].
Postplacement [CMB07, LCY12, WWG08, XLL+16].
Postscheduling [FHHG12]. postsilicon [MKK13].
Power [ACF+11, ALL17, BLM00, BS14b, BM11,
BPTB17, CMP10, CH10b, CHBK15,
CXM+16, CLMZ10, DLC+17, FG18, GBR07,
GCL+16, HPK99, HYN15, JLK15, KKHK16,
LG18, LKM04, LYHL14, LLK+14, LHIJ2,
LHIK+15, LHIK19, LSI7, MAS16, MKW09,
MN17, PJL14, Ped96, PTC+15, SCK18,
SC00, SBC08, SYHL14, SSCS10, SSN15,
TWL16, TRM+16, TMDF10, TLI14,
WVY99, WGT+17, WC10, WSRH16,
XL15, ZFLS11, ZK15, ZS16, ZMTC13,
AHAPK08, BDM+99, BmD00, BD00, BM13,
BBD00, CS07, C10a, CM08, CIB01, CCX06,
CCW08, CHHL96, CCC09b, CJLZ11,
CLQ12, DS06, DTC+09, ETR07, GOC02,
GD09, GF10, GS13, HR06, HLCO7,
HHT08, HTCP13, JWL+03, KBN09,
KKF+02, KOS09, KC13, KHWO6, KYN+12,
LMB+12, LHT03, LCY13, LH+17,
LBV+06, LHV97, MKK13, MRC06,
MKW08, MLG12, MFS09, ML09, NT05,
PPDK09, Pom14b, PWY05, PR96, RFB10].

Power [RTNL05, STL+13, SUC01, SPMS02, SNL12,
SZV+12, TKV07, T199, TH+14, WJY+07,
YHL+11, YGZ04, YL06, YHH09,
ZHM07, ZLL13, ZYDP08, ZP08, ZYP09].

Power-Aware [LHK+15, SBC08, SNL12].

Power-delay [MKW09, SC00, WVY99].

Power-density [ZYP09]. Power-Efficient
[JL15, SZV+12]. Power-Gating
[KKHK16, YHL07]. power-optimal
[MK10]. Power-safe [ZMT13].
power-transmission [KC13].
Power/Ground [LHJ12]. Powered
[XPZ+18, CSAHR07]. Powerful
[LYW12, MB04]. PowerPC [WAZ98].
Practical [Pic16, VJBC07]. Practice
[MDM+12, SSCS10]. PRAM [KYL16].
precedence [ZAZ13]. Precise [Ali12].
prefixed [PSK08]. Predictability
[NSCM17]. predictable [HGBH09].
Prediction
[CS07, DKZ+15, FG18, HWX+14, JGM14,
PBL+17, CR12, OM08, SYL09].
prediction-based [OM08]. Predictive
[AVG19, HW00, TKV07]. Preemptive
[HH15, SS17, GD+08]. Preface [YD16].
Preferred [Pom18a]. Prefetching [LV02].
prefix [LH09, ZCG06]. Preparation
[PGCB16, RCK+15, SKS+18]. prescribed
[DSR02]. Presence [EKS+14, MCM08].
Preserving [HK18]. Prevent [WSS+18].
Primary [Pom16a]. Principle [CHBK15].
principles [Ped96]. Print [DZCD15].
Printed [GDTF17, OW06]. Priority
[HH15, KPF16, LMS16, WDZG16, MHQ07].
Priority-Aware [KPF16].
Priority-Preemptive [HH15]. Privacy
[HK18]. Proactive [KBV+15].
Probabilistic
[APS18, CKAP07, CB17, GQW19, KW16,
KVMH08, LBL06, FZKS11]. Probe
[Kha12, BC05]. Probe-Wear [Kha12].
problem [DPN02, DS06, FMS01, LVL03,
NR01, PDN00, SW99, YW10]. problems
[SB08, WG07]. Procedure [Vah09].
Process [AKAP18, GC18, LWZ+19, RJ14,
VEO16, CS07, GM08, KTK013, KPR06,
LG12, LH13, LT+13].
Process-in-memory [LWZ+19]. processes
[JB08]. Processing
[BM11, GFJ16, LYL+19, MFHP12, HVMG13,
JSG09, LPP00, NM13, TYH08, ZHOM08].
Processor [HHK+15, ISE08, HLP16,
LYHL14, LF12, NSH+16, NRZ+18, SPT+17,
VLLG01, DHZ+11, GGG04, Giv06, HGBH09,
KBA08, LMB+12, OCRS07, PND97, PNN00,
RFN10, SGD10, WKR09]. processor-based
[PD00]. Processors


recompilation [GF10]. Reconfigurable [AVG19, BKW15, CPS16, EK16, JPHL16, MLC08, MRL+19, ORGD+15, SCC17, SVK17, ZLQ15, ARLJH06, GDG+08, HBC+08, HW14, JBC+10, KKMBO2, KSLP11, LCK+09, RHA08, WKRO9, WLC02, YLP+13, YGH+10, YULL09]. Reconfiguration [MCZ+16]. reconstructions [RCG+08]. reconstructions [RCG+08]. reconstructions [WC06]. reconstruction [Yan08]. Recover [BFV15]. Recovering [JCK+18]. Recovery [NSS+16, WL12, ZAZ13]. Rectangle

RL [NT05]. RL-Huffman [NT05]. RLC [MN17]. Robust [BJX15, DZ18, GCZ’15, MCD12, STGR15, TLF16, ZK15, CLYP09, ST99]. rotary [TDF’09]. Routability [AMM’18, HWGY16, THL’13, ZSY18, CLYP09, HSA’04, SYZ08, WSV’14, YCHT00]. Routability-Driven [AMM’18, HWGY16, ZSY18]. Routable [LCYN18]. Router [TCL14, XS16, CLYP09, JCGP05, MLC08, TDF’09, wATkK02]. Routers [JM14]. Routing [GKM05, JD18, LHZJ2, LLLL18, LKC’18, MCZ’16, RGM15, TZ17, WLLH16, XYG’16, Yan18, CZW00, CKK98, DSKB04, DVA02, GMN’13, LLKC13, LCC11, LCJ’10, MW97, OW06, OHW08, RI13, SMYH07, Yan00, YW09, Yan11, YM’13, YCHTO0, ZW98, ZHTC09]. Routing-aware [GKM05]. Routing-Based [LLLL18]. Row [SAL19, LC13]. row-based [LC13]. Row-Buffer [SAL19]. RTGC [ZLW’15]. RTL [BK00, BBD00, BFP08, BFV15, Fu05, GS00, LV14, PGB01, PSK08, XK07]. Rule [KMO’12, MS17, RS08]. Run [DP02, HMLL11]. Run-time [DP02, HMLL11]. Runtime [BHW’13, LL15, NRZ’18, ADDM’13, GFC’09, GDG’08, HW14, RCG’08, SKS12, WJY’07, YGH’10]. runtime-reconfigurable [GDG’08].

safe [ZMTC13]. Safety [MN17, XLY’18, MS08]. Salsa20 [MAS16]. Sample [PGCB16, ZK5’16]. Sampling [WTR12, ZYW’18]. SAT [CLM’10, Che18, CVY’14, DP02, RCD07, SGK08]. SAT-based [CLM’10, SGK08].

Satisfiability [BR12, GMSSS02, PG15, GPK’09, HSA’04]. satisfying [QSS90]. saturation [CCL03]. saving [HW00]. Savings [LKH19].


Schedulability [GDG’08]. Schedule [SGC’14]. Scheduler [NHS’16, JP08]. schedules [DSRV02, LC96]. Scheduling [ABC’17, BB17, BDBB19, CAC505, CX15, JOH17, LHW97, PMS15, SSC17, SAL19, SZB17, WCB15, WDZG16, WWCT18, CLM’10, CJLZ11, DS05, DHV’00, GBC07, HN07, JR97, KW02, Kmc03, LLHT03, MKBS05, MJM11, MHQ07, MR05, MGW97, NR01, RCG’08, SXX’06, TC98, WH05, WGD07, YW10, YGH’10, YLYL09].

schematic [KG09]. Scheme [BM11, KKLG15, KLK’17, LTYW12, WHRC12, XS16, HCK13, KSA’10, XLCL13]. Schemes [MGR’15, CSC08, KCKG13].
Score [XLL+16]. scratch [IBMD07].
scratch-pad [IBMD07]. Scratchpad
[CPS16, DFM15, BD14]. Scrubbing
[SVK17]. Search
[VCLD03, CMB07, DVA02, YWW10].
search-based [DVA02]. Searching
[DK16, SYZ08]. Section [BMDG17, CO18,
KLZ11, YD16, CH10a, CLQ12, HJ08,
JW08, KLSZ09, MD13, RBA+12]. Secure
[BHK17, HBC+08, ISE08, HRK18].
Security [GQW19, HMO+08, HRK18].
Self-Aligned [XYG16]. Self-Measurement
[BHK16, SYZ08]. Self-Alignment
[XYG16]. Self-Test
[EO19, SBB+18, WCB15, XYG+16, SEN05, SZV+12].
Self-Aligned [XYG+16].
Self-Measurement [CRT19]. Self-Test
[EO19, SBB+18, WCB15]. self-testing
[SE05]. self-tuning [SZV+12]. Semantic
[Pie16]. Semantics [KC98]. sensing
[LTH99, WJY+07]. Sensitive [YBS+18].
sensitivity [LON08, PMB10, ST99]. Sensor
[NS+16, PDS12, ZHC+18, DHZ+11, JSG09,
LCK+09, RFB10, ZSZ10]. sensor-driven
[LSZ10]. Sensors [FG18, YHL+11].
Separation [EK16]. sequence
[GF06, LC07, MMP00]. Sequences
[Pom15b, Pom15c, Pom17b, Pom18a, KT01,
LWC07, PL03, PR11]. Sequential
[PLS16, LD17, SPA+03, WK12, BLR06,
BOC00, Che96, CPR+02, Edw03, HVF+01,
HRP00, HCC01, JB98, KT96, KOS09,
MMP00, PL98, SNH02, Vah02, YWW09].
sequentially [LIA00]. SER [LD17]. Serial
[PMP17]. Serialized [KH10]. Series
[TW96]. Series-parallel [TW96]. server
dW97]. servers [ANR13]. Service
[DKZ+15, AHAKP08, CBR+05].
Service-Level [DKZ+15]. Set
[HLK+15, LP+17, LHF12, LF12, MCD12,
OT15, Pom19b, DPNB02, Hua01, LP03,
LDC07, LLYW10]. Sets
[Pom16b, YRH11, PR07, TCP97]. SEU
[MLF+12]. SHAPE [HRK18]. Shannon
[GBR07]. shaped [Meh98]. shapes [LM96].
Shaping [KLK+17]. Shared
[KLJ14, ZAZ13]. Sharing [LF12, TCL14,
WGSH16, BDB98, DK8, SHL98]. shield
[WLX04]. shielding [Mut09]. Shift
[PTC+15, WC10, WWW+12, LWK11,
WPH08]. shifter [Kag05]. short [SSP04].
short-path [SSP04]. Shuffling
[HHK+17, KJR+07]. shutdown [HW00].
SID [LHK+15]. SID-Based [LHK+15].
Side [DZZ+18, ZBF18]. Side-Channel
[DZZ+18, ZBF18]. Sigma [ZYW+18].
Signal
[MFHP12, STGR15, WGT+17, ZSY18,
CPW04, LLLC13, SR12, TYH08, XYZ09].
signal-integrity [XZC09]. Signals
[SMH08, MWK08]. Silicon [HAB+17].
Similarity [YRH11]. Simplifying [HA05].
Simulated [ZYS12, SMYH07]. simulating
[RHA08]. Simulation [CDB11, EKS+14,
EO19, GDPR01, HBPW14, HIW15,
HPB11, HMM15, MDMA+12, PRK08, ST99,
SKM+16, WWFT12, ZWD11, CVMP19,
DCK10, DL11, HVF+01, HKB+07, KMC97,
LOC12, PTC05, PHM00, RSR01, WTL+13].
Simulation-Based
[EO19, PRK08, LOC12]. Simulations
[LS11]. Simulator
[LHK+15, FWCL05, EBR+09]. simulators
[RPKC05]. Simultaneous [CC06, CYV+14,
CFX09, JK10, LHX04, SM00, CCX06,
CCW08, CW01, MRC06, YHH09]. simultaneously
[HLX07, SPS04]. Single
[BD14, HCW+16, KRL15, SKS+18, SSL17,
[AA17, BR12, BD00, CSKR05, CET16, CLMZ10, CCL03, EO19, GB07, HS18, HMVG13, HCZ+16, KK14, KKK12, KKS16, LS17, NG06, PDS12, PG15, QS+W15, RJ14, Sch17, GC+S14, SS14, SGGR08, SV11, SCCH08, WCC14, YMB15, ADS+09, BD+09, BZ08, CLKL06, CM00, CBAM10, CL99b, CD96, DDNAV04, FFHG12, GG99, GOC02, GH00, GGDN04, GWR13, HLKN07, HCLC98, Hsio1, HLHT08, Huo1, JLF+12, KSS+09, KKH+02, KK11, KW02, KHP05, KF+08, LCD07, LC14, Lin97, LLHT12, LW06, MM00, MDM07, MKB05, MJM11, MR06, PBS+06, RFYL98, RS03, SW12, SCB01, SV07, TN99, TC98, VLH98, VKT02, VKK02, WV02, WGI11, WKR09, XK97, XPSE12, YYW10].

Synthesized [SB17]. Synthesizing [SS14].

Systematic [PSK08].

System [BdM00, CH17, DMR10, GM08, GPH+09, HKL+15, HZS+19, LL15, LG18, NRZ+18, PDS12, PPK99, Pie16, PBSV+06, SL18, SGGR14, TK18, WL12, YGY+16, ZHM07, APB+08, BPRR98, BM13, Cha01, CKP07, CSC08, DC07, GG99, GABP00, HGBH09, HMVG13, HW00, LH99, LLCC11, MOZ06, MPSJ07, OCRS07, Ped06, SPG+08, Sen11, Vah09, ZL13, dW07, AHL+08, LVL03, WLL+11].

System-Level [HKL+15, LL15, LG18, PDS12, Pie16, B100, GM08, PPK99, ZHM07, MOZ06, OCRS07, Ped06, Sen11, Vah09, ZL13].

System-on-a-chip [Cha01, CKP07].

System-on-Chip [HZS+19, SGGR14, APB+08, BM13, CSC08, WLL+11, AHL+08].

System-scenario-based [GPH+09].

Systematic [AMM+06, KPR06, RPK05].

SystemC [BK10, CVMP19, HV07, WWFT12, RHA08].

SystemC-AMS [CVMP19].

SystemCoDesigner [KSS+09]. SystemJ [MSR09, SPT+17]. Systems [BHK17, BLNK14, BJX15, BB17, BS14c, CH10a, CCH+15a, CHBK15, CYH19, DF15, EAP17, HK18, IG18, KLSZ09, K10, KMR18, LL15, LHK+15, LZZS15, LMA+16, MRL+19, NSH+16, ORGD+15, PPP+15, PSNC18, PG15, PBZM19, QBTM16, SSC17, SPT+17, STWX12, SS14, SALT19, THT12, WHRC12, WQC+16, XPZ+18, YRH11, ZLW+15, ADM+13, AM10, ADDM+13, ARLJH06, BD00, BWB14, CSAHR07, CMM00, CSL+07, Con06, CLQ12, CCL04, DCK07, DRG98, DDNAV04, DTC+09, GDGD07, GPH+09, GDF09, HKL+07, HV07, HLD+12, HCLC98, Hsio1, HBC+08, JS13, JWL+03, JW08, KKMB02, KQ13, KFH+08, LCZ+08, LCK+09, LSDV10, LDK99, LP07, MBB01, MDG98, MHQ07, ML09, OKC08, PDN00, PCD+01, PSL+98, Ped11, PEP06, Q509, Rak09, RSR01, SCB01, SLXZ12, SUC01, SHN12, SS11, SZV+12, THC+14, W016, W09, ZAJ+12, ZP08, SN10, CPX14].

Systems-on-Chip [BHK17, HLD+12, KP13]. SystemVerilog [CVY+14].

T [YY09]. T-trees [YY09].

[T] [WSEA99]. table-based [WSEA99].

Tasks [CH02, YTC97]. Tag [YBS+18].

Tailoring [CSC08].

Tandem [MSR09].

Target [KYL16, FS13].

Targeted [SNL12].

Targeting [LPD+17, JBC+10, MLMM08].

Task [LMA+16, SZB17, DCK07, GK14, GBC07, YLL09].

Tasks [CH17, SSC17].

taxonomy [KP13].

TCONMAP [HABS15].

ddf [ZMTC13].

Technique [CV17, JK10, LGGJ14, SBB+18, DHV+00, HCH07, IBMD07, K101, LC96, MB04, Mut09, RSR01].

Techniques [MMD07, Mit16, PTC+15, TWL16, WSV+14, YD16, AM05, BD97, BdM00, BH10, BASB01, CLM+10, CSAHR07, CACS05, CFHM09, D06, D02, HPK99, HCS01, HCC01, KSK+05, KMS12, KHP05].
LSDV10, LB00, LHW97, LHCT05, LVL03, OCRS07, OK08, PCD+01, RJBS09, TY97, TBZ13, TYH08, VMP+00, XK97, ZHOM08.

Technologies [SN10, BC08]. Technology [BFL10, CHY05, DKT+16, DBK+18, HABS15, JZYZ15, SABSA15, YD16, ZS02, BM00, CH02, CH00, KL05, LKM04, PL98, WY06, WSEA99, ZLL13]. technology-dependent [BLM00].

Technology-Driven [DKT+16]. TEI [LHW+17]. TEI-power [LHW+17].

Temperature [JGM14, LHW+17, ZYP09, ADP+07, CLQ12, DH06, WJY+07]. Temperature-aware [ZYP09, ADP+07, CLQ12]. template [HGBH09]. Temporal [Pie16, SSC17, YYC07, BD05, Das09, YYC09]. Temporally [PRCK08]. terminals [ISE08].

Test [AYM05, BDBB19, EMO03, EO19, GF06, IE12, LCT03, MCD12, NSCM17, Pom15a, Pom15b, Pom15c, Pom16c, Pom17a, PAV17, Pom18a, Pom19b, RJ14, SBB+18, TBZ13, WCB15, WWCT18, WC10, WWW+12, XCW12, XLCL13, BC05, BWB14, Cha01, Che96, CCL04, ETR07, FNMS01, GM03, HLKN07, HRP00, HJ08, KT01, LTH09, MD08, NCP01, NT05, PR98, PR11, QM12, RMKP03, SW04, SBC08, SEN05, SNC12, TCP07, TD03, WPHL08, WWC04, XZC09, ZMTC13, SSS03].

Test-Architecture [WWCT18, XZC09]. Testability [Pom16a, Pom18a, FRS97, PS08, Pom14a, SCJ01]. Testable [GBR07, RMPJ08]. testbenches [BFP08].

Testing [NS03, SBC08]. Testing [NS03, PTC+15, TPC+17, WWCT18, WWW+12, XCW12, XS16, XCF18, JT98, KB09, LHCT05, PKP+03, SEN05, SXZV13, SCJ01, SOC06, TD03, XZC09]. Tests [Pom15a, Pom16a, Pom16c, Pom18b, Pom19a, Pom19b, DNA+12, PR09, Pom13, Pom14a, Pom14b]. text [LDK99].


Three-layer [Yan00]. three-step [Vah02]. Threshold [DHVW18, SV16, SHN12]. Throughput [HCRK11, HIW15, KLLJ14, SEN15, CJLZ11, GM08, SKS12, SHN12]. throughput-aware [SKS12].

Throughput-Optimized [HCRK11]. Tier [SSL17]. tightly [LMB+12]. tightly-coupled [LMB+12]. Tightness [APS18]. Tiled [DK16]. Tiled-DNUCA [DK16]. Time [APDC17, BB17, CHBK15, CH17, FG18, HXC+18, IGN18, KPF16, NSH+16, PSNC18, SSC17, WZGJ16, YRH11, ZLW+15, ZZC17, APB+08, ARLJH06, CSAHR07, DP02, DRG98, HMLL11, HLKN07, HMGV13, KRRK06, LCHT02, LTPR+13, MR96, MHQ07, NG06, PEP06, PW99, SCB01, WGDK07, WLL+11, ZAD13]. time-[ARLJH06]. time-constrained [NG06, SCB01]. time-constraints [CSAHR07]. time-domain [LTPR+13].

Time-Triggered [BB17, IGN18]. time/resource [WGDK07]. Times [PMS15]. Timing [CZW00, CB17, HIW15, HS19, JNCS19, KKK12, LV16, LJJ18, LWC18, LYCP17, LNG+16, M'M11].
MKW08, WSH+18, WKC12, WL12, Yan08, YRH11, DCK09, DRG98, DH06, KPSW09, KPR06, KC98, LC14, LCHT02, MCMW08, Q09, SX+06, SCCH08, YHL+11.

Timing-aware [MKW08]. Timing-Driven [LNG+16, CZW00, Yan08, DRG98].
timing-error [SCCH08]. Timing-Yield [WSH+18]. TinyOS [RFB10]. TLB [KSK+05]. TLM [BFPO8]. TLM-to-RTL [BFPO8]. TODEAS [CH10a, KLSZ09, BC08, GK09, QS11, TK18].

Tofoli [MDM07]. Toggles [TPC+17].

Tolerance [GVJ15]. Tolerant [CYH19, LW17, XCF18, CEB06, NaLCR03, SC06].
tolerate [SPG+08]. Tool [BBEM15, JHMG18, TDE08, VLH98].

Toolchain [GVJ15]. toolkit [MSD06]. tools [BDm00, GS00, MD13, MT02].

Topological [SHD17]. Topology [BDBB19, HCZ+16, TDF+09].

Topology-Agnostic [BDBB19]. Trace [BHK17, BHW+13]. Trace-Based [BHK17].

Traceability [YFT17]. track [LCC11].

Tracking [HMO+14, FS13]. Trade [PCC09, FHHG12, RJL+09, WYYG99, WGDK07, XPSE12]. trade-off [RJL+09].

Trade-offs [PCC09, FHHG12, WYYG99, WGDK07, XPSE12]. Tradeoff [RS18].

Tradeoff-Aware [RS18].

Transferring [LDD+18]. Trading [FG18]. Traffic [QBTM16]. Training [ALL17].

Transactions [CH10a, CPX14, KLSZ09].

Transceivers [JNS+17]. transform [KLo1, KVMH08]. Transform [LCC+15].

Transformation [SPC+15, BGN+07, KKH+02, Vah99, VJBCC07].

transformational [Voe01].

transformations [HKV+07, LLM01, PCC09, WYYG99].

Transforms [ACFM12, MFHP12].

Transient [KRL15, DC07, MRC06].

Transistor [CFD+16, HCW+16, PR96, RS03, WSH+18].

Transition [JOH17, MHQ07, LHCT05, PL03, PR09, WPHL08].

Transition-overhead-aware [MHQ07].

transitions [Mut09]. transitive [YYC07].

Translation [WL12]. transmission [KC13].

Transmissions [CBO+18]. Transparency [WHRC12].

Transparent [Pom17b, SV11, PR11]. Transparent-Scan [Pom17b, PR11].

Transposition [CCH15b]. traversal [HRP00]. Tree [HGLC16, KK11, KKS16, LLLL18, LNG+16, LS17, WCC14, CHH09, LLHT12, LYKW09, LLLL13, TDF+09, wATkK02, Yan08, YYC09].

tree-based [YYC09]. Trees [CCH15b, KE16, GC06, WCC03, YYC09].

Trends [CH10b, HHL14].

Triggered [BB17, HS18, IGN18, BDC08].

Triggering [EW18b, HW14]. Triple [LZ17, ZLY+15].

Tristate [CK16].

Trojans [XFJ+16].

Trust [GSFT16].

TSocket [CCH15b].

TSV-based [KK11].

tunable [CFHM09], tuned [RFB10].

tuning [LT11, SZV+12].

Turbine [WSRH16].

Tutorial [Edw03].

twisted [YW09].

Two [LZ17, OW06, TJ99, CSC08, DDDN04, LHZ+06].

Two-layer [OW06, DDN04].

Two-level [TJ99].

two-stacked-die [LHZ+06].

Two-Stage [LZ17].

UCR [YBS+18]. Ultra [ACF+11, CK16, GBC07, MACV14, SESN15, ZLG+19].

Ultra-fast [GBC07].

Ultra-High-Definition [ZLG+19].

Ultra-High-Speed [CK16].

Ultra-Low [ACF+11, MACV14, SESN15].

UltraScale [AMM+18].

Unauthorized [CBO+18, GDFT17, K0018].

Unbounded [VSI2a].

Uncertain [KW16].

uncertainties [CS07].

Uncertainty [GC18, STGR15].

Uncloable [YBS+18].

Uncore [WGSH16].

Understanding [HHL14].

Undetectable [Pom19b].

Unicast [XS16, XCF18].

Unicat-Based [XS16, XCF18].

uniform [Kag05].

Uniform [HZS+19, KCG16].
Unique [SOS15]. UNISIM [LS11].
UNISIM-Based [LS11]. Unison [SGJ96].
Unit [BM11, HWCL15, HWCL13].
Unit-Capacitor [HWCL15]. Universal
[CW96, JCK+18, FLW+02, FLWC07].
universality [RHN00]. Unknown [SSO16].
Unknowns [EKS+14]. Unnecessary
[Pom15c]. unpredictability [DS05].
unpredictability [SPG+08]. unscheduled
[MHG96]. untangling [YW09]. untestable
[LI00]. UPaK [WKR09]. Update [KC10].
Upper [JLJ15]. upset [NdLC03, RM09].
upsets [MRB+11]. Use
[KBV+15, KFH+08, MS00]. use-cases
[KFH+08]. Using
[APD17, APD+11, ASAP17, AVG19,
AGM01, BBEM15, BBD12, BS14b, BM11,
CVY+14, DNA+12, EWI8a, EWI8b, EK16,
FWCL05, FVCT15, GFJ16, GB07,
GHYR19, HS18, JNS+17, KQP+19, LLH+17,
LYHL14, LLK+14, LCC+15, MA16, PJL14,
PGL15, PR09, Pom15a, SKS+18, THM15,
TMDFA0, TCI4, WKL+18, WSS+18,
YHL+11, ZHC+18, ZYS12, BLR06, BWB14,
BK10, BGN+07, BASB01, CACS05,
CBM010, CFHM09, CK96, GGBZ02, G0K7,
G0K9, HVF+01, HMB98, HPK99, HCC01,
HW14, KSK+05, KRS06, KPR06, KMS12,
KMC97, LCT03, LSL+13, LNO8, MHD+04,
MSR09, MS08, MR05, MP07, MLC08,
MKV+18, NRZ+18, PRCK08, PKP+03,
PMB10, PHM00, RJL+09, RCD07, SGK08,
SABS15, STL+13, SBH+06, SCJ01,
TLCF16, TWL16, TX99, TD03, TYH08,
Vah02, WVVY99, WYJZ11, WCC03,
XCLC13, XK97, YTH97, YYC07,
ZHOM08]. UST [wATK02]. UST/DME
[wATK02]. utility [BCR+08]. Utilization
[KKL15, KMR18, MT15, GM03, SBC08,
SY07]. Utilizing
[BLN14, CK16, EB+09]. UTPlaceF
[LLL+18].

V [MLMM08]. Validation

[VS12a, CM13, DRG98, FLPP09, HJ08,
MD08, QM12, RPKC05, WAZ98]. value
[YGZ04]. Valued [WTR12]. Values
[Pom18a]. Variability
[CFD+16, NRZ+18, TY19, LON08].
Variable
[PSN18, ZL+19, LHW97, WH05].
Variables
[Pie16, CCQ98, Pom14a, SXZV13].
Variation [APD17, AKAKP18, FVCT15,
RG09, WCC09, WDLD17, WSH+18,
GM08, KTK03, MJM11, PPKD09].
Variation-Aware [FVCT15, WSH+18,
RG09, MJM11, PPKD09]. Variations
[GC18, ZZCY17, KPR06, LH13, LTPR+13,
ST99]. various [WAZ98]. Varying
[SSO16]. VBR [JLJ15]. Vdd [HLHT08].
Vector
[JK10, CCW08, EM03, KBA08].
vector-thread [KBA08]. Vectorizing
[LPD+17]. Vectors [Pom15c, CK96].
Vehicle [VA17b]. Verification
[Ali12, BKW15, DSH12, EWI8a, HZS+19,
KYN+12, PDI11, SSS+19, BHW+13, BDC08,
BG04, DCK07, DCK09, DCK10, DC07,
GF06, HA05, HDL+12, HV98, KMS12, KG99,
KC98, LBV+06, LOC12, MS08, MPDG09,
PRCK08, RFYL98, RBA+12, Sen11,
VAHH+98, VS12b, WYJG07, WCC04].
Verify [KRH18]. Verifying
[APD+11, HCC01]. versatile [TYH08].
vertical [LLK13]. VFI [DLC+17].
VFI-Based [DLC+17]. vGreen [DMR10].
VHDL
[DDNA04, GPRG11, MR96, MWG97].
VHDL-AMS [DDNA04]. via
[BZ17, CRT19, CCC09b, HHL14,
HSA+04, IPW17, KOO18, KRL15,
KLK+17, LHZ+06, PB12, RAKK12, SAL19,
VAHH+98, WB16, WHXZ13, WYG09].
vias [YHH09]. Victim [SSS+19]. Video
[MD15, ZL+19, CCC+09a, ZHOM08].
viewpoint [LKD98]. violations [Das09].
Virtual [BHDS09, DMR10, JLJ15, MSR09,
SSL17, Fj05, KMC97, LLKY13, ZP08].
virtualization [ISE08]. visibility [HW14].
visual [FS13]. VLAN [SRTG19]. VLIW
[AMR00, GBK07, KJR07, LJV02, LLHT03,
LYCP13, SXX06]. VLSI
[DPNB02, DD02, GMN13, GOC02.
HLG15, JT98, LM96, MKSB07, MKW09,
OS03, RS03, STWX12, SB98, SCS10].
VLSI-CAD [SB98]. Volatile
[WDLD17, LSL13]. Voltage
[DHVW18, DSO5, JPHL16, JLK15, KLE18,
LCY12, MACV14, SV16, WCCC14,
WGS16, ZLL13, GM08, GBC07, KSA10,
LHW97, LLHT12, MHQ07, ML09, Rak09,
SHN12, WGW08, WLC09].
Voltage-Frequency [JPHL16, GM08].
voltage/frequency [ML09]. voltages
[JR97, MR05]. Volume [Pom16c, RMKP03].
Volumes [PAV17]. vs [KG09, PDN00].
VSSD [CCS15]. Vulnerabilities
[QGW19, MAS16].
W [DHZ11]. Wafer
[THM15, BC05, WLT08, ZMTC13].
wafer-probe [BC05]. Wafer-to-Wafer
[THM15]. Wake [WSRH16]. Walks
[BS14b]. Warp [LSV06]. Warping [SV11].
Washing [MGR15]. watt [RAKK12].
waveform [MCMW08]. Wavelet
[AHAKP08, GFC09]. Wavelet-based
[AHAKP08]. WaveSync [YKCG14].
WCET [APS18]. WCRT [CYH19]. Wear
[CCH15a, CHC16, Kha12, CD09].
Wear-Leveling [CCH15a, CD09].
Wearable [FG18]. Wearables [GFJ16].
WEB [MS08]. while [QS09]. Wide
[WTR12]. width [LYCP13, SBH06]. Wind
[WSRH16]. wire
[CW01, HR06, MKW09, WC06].
wirelength [LLLC13, SYZ08]. Wireless
[CBO18, SXX16, PDS12, DHZ11, JSG09,
RFB10]. wiringsizing [CH96]. within
[SCK18]. Without [MS17, KKLG15, PR07].
Word [CCC09b, Con06, WDLD17, RMB10].
Word-length [CCC09b, Con06]. work [KYN12].
Workload [CSAH07, GC18, TBCH17,
CR12, WHX13]. Workload-ahead-driven
[CSAH07]. workstations [KMC97]. world
[RBA12]. worm [FNP09]. wormhole
[TDE08]. Worst [APDC17, CH17, ZLW15].
Worst-Case [APDC17, CH17]. wrapper
[LV02]. Write [CCK18, CIX15, KLY16,
LLP16, WDLD17]. Write-back [CCK18].
Write-Conscious [LLP16].
Write-Induced [CIX15]. Writeback
[PBZM19]. Writeback-Aware [PBZM19].
Writebacks [BFG19]. Writes [CIX15].
X [HLG15]. X-Architecture [ILG15].
XFM [SMSB05].
Yield
[GLY12, JGM14, KAKSP16, KMO12,
SV16, THM15, WSH18, ZYW18,
HWCL13, KPSW09, LCKT12, MHT14].
Zero [BC16, Giv06, JK10, HTCP13, ZCG06].
zero-deficiency
[ZCG06]. Zero-Suppressed [BC16]. Zoom
[EO19]. Zoom-ADC [EO19].

References


[AAA15] Marjan Asadinia, Mohammad


Abouelella:2013:HEI

Atienza:2007:HSE

Avnit:2009:PCC

Aksoy:2014:MDF

Ashar:2001:UCD

Abbasian:2008:WBD

Ahn:2008:SSC
[AHL⁺08] Yongjin Ahn, Keesung Han, Ganghee Lee, Hyunjik Song, Junhee Yoo, Kiyoung Choi, and Xingguang Feng. SoCDAL:
REFERENCES


Waseem Ahmed and Douglas Myers. Concept-based partitioning for large multidomain multifunctional embedded sys-

**Atienza:2006:SDM**


**Abuowaimer:2018:GRD**


**Anonymous:2013:CNE**


**Ayoub:2013:CCM**

ISSN 1084-4309 (print), 1557-7309 (electronic).

[AOC02] Guido Araujo, Guilherme Otti
	oni, and Marcelo Cintra. Global
array reference allocation. *ACM
Transactions on Design Au-

tomation of Electronic Systems,*
7(2):336–357, April 2002. CO-
DEN ATASFO. ISSN 1084-4309
(print), 1557-7309 (electronic).

[APB08] Iyad Al Khatib, Francesco Po-
letti, Davide Bertozzi, Luca
Benini, Mohamed Bechara,
Hasan Khalifeh, Axel Jantsch,
and Rustam Nabie.
A multiprocessor system-from-on-chip for
real-time biomedical monitoring and analysis: ECG prototype ar-
chitectural design space explo-
ration. *ACM Transactions on
Design Automation of Electronic
Systems,* 13(2):31:1–31:??, April
2008. CODEN ATASFO. ISSN 1084-4309
(print), 1557-7309 (electronic).

Dasgupta, Siddhartha Mukhopad-
hyay, Rajdeep Mukhopadhyay,
and John Gough. Chassis: a
platform for verifying PMU inte-
gration using autogenerated be-
havioral models. *ACM Trans-
actions on Design Automation of
Electronic Systems,* 16(3):
33:1–33:??, June 2011. CO-
DEN ATASFO. ISSN 1084-4309
(print), 1557-7309 (electronic).

[ARLJH06] M. Ayala-Rincón, C. H. Llanos,
R. P. Jacobi, and R. W. Harten-
stein. Prototyping time- and
space-efficient computations of
algebraic operations over dy-
namically reconfigurable sys-
tems modeled by rewriting-logic.
*ACM Transactions on Design
Automation of Electronic Sys-
CODEN ATASFO. ISSN 1084-
4309 (print), 1557-7309 (electronic).
REFERENCES

Ali:2017:RCD

Amir:2019:SPC

Behera:2017:TTS

Bogliolo:2000:RBR

Beznia:2015:TAR
Bhattacharya:2005:OWP


Bahar:2008:IJA


Bernasconi:2011:DRB


Bernasconi:2016:IRZ


Bernasconi:2008:OKS


Baldassin:2008:OSB


Benini:1997:SBM

REFERENCES

Benini:2000:SLPb

Banerjee:2005:OFT

Bathen:2014:STS

Bhattachary:1998:ERS

Bild:2012:SNR
David R. Bild, Robert P. Dick, and Gregory E. Bok. Static NBTI reduction using internal
REFERENCES


Bouakaz:2017:SAD


Bakhshalipour:2019:RWT


Bol:2010:NME


Bombieri:2008:ROT


Bombieri:2015:MRR


Bakshi:2001:PCH

Bunker:2004:FHS


Bouchebaba:2007:MMO


Blanton:2003:PIP


Bonny:2010:HBC


Bertels:2009:EMM


Backer:2017:SFT


Bruneel:2011:DDF

REFERENCES


REFERENCES

Benso:1998:ELC


Bonetti:2017:AID


Boukhobza:2018:ENS


BasiriM:2014:EHB


Boghrati:2014:IAP


Bolchini:2014:DHE

Cristiana Bolchini and Chiara Sandionigi. Design of hardened embedded systems on multi-FPGA platforms. *ACM Transactions on Design Automation
Blythe:2000:EOD


Biswas:2014:RTC


Boule:2008:ABA


Bi:2017:OQE


Boule:2008:ABA


Biswas:2014:RTC


Boule:2008:ABA


Biswas:2014:RTC


Biswas:2014:RTC


Biswas:2014:RTC


Biswas:2014:RTC

REFERENCES

Chen:2017:AMM

Cauley:2011:PBC

Chang:2010:LSC

Chen:2006:SPC

Chien:2009:SMV


[Cabodi:1998:AVB] Gianpiero Cabodi, Paolo Camurati, and Stefano Quer. Auxiliary variables for BDD-

Chang:2015:VPI

Cheng:2008:FSI

Chen:2006:OSM
[CCX06] Deming Chen, Jason Cong, and Junjuan Xu. Optimal simultaneous module and multivolt-


Chang:2014:BBL

Cong:1996:CLS

Chang:2009:DIE
[CD09] Li-Pin Chang and Chun-Da Du. Design and implementation of an efficient wear-leveling algorithm for solid-state-disk mi-


REFERENCES

ISSN 1084-4309 (print), 1557-7309 (electronic).


REFERENCES


Choi:1999:FDA


Chang:2013:IPP


Chang:2012:CDA


Cao:2006:POS


Cabodi:2010:SHA


Cong:2010:BLO

Coskun:2012:ISS


Chen:2015:MBF


Cho:2009:BHR


Chao:2008:LPG


Costa:2013:CDO


Cakir:2018:RED


Chang:2007:PRE

REFERENCES


Corno:2002:IAS

Chakraborty:2016:PDM

Cho:2004:FMB

Chang:2014:EBT

Cochran:2012:TPA

Chen:2015:DMD

Carpent:2019:RAS
REFERENCES

Chang:2007:PLP

Cai:2007:WAD

Chang:2008:TCS

Cao:2005:SSL

Chen:2007:NMA

Cong:2005:LSC

Chang:2013:PDS


Choi:2019:OFT


Cheng:2014:EC


Chang:2000:TDR


Chang:2003:AFF


Dasdan:2004:EAF


Dasdan:2009:PEA


Darav:2018:ELH

[DBK+18] Nima Karimpour Darav, Ismail S. Bustany, Andrew Kennings, David Westwick, and Laleh Behjat. Eh?Legalizer:


Delshadtehrani:2015:SMR


Dasdan:2006:HIT


Dubeuf:2016:EPA


DosSantos:2000:CMP


Daboul:2018:AAT


Duarte:2011:HDP

Filipa Duarte, Jos Hulzink, Jun Zhou, Jan Stuijt, Jos Huisken, and Harmke De Groot. A 36μW heartbeat-detection processor for a wireless sensor node. ACM Transactions on Design Automation of Electronic Systems, 16(4):51:1–51:??, October...
Das:2008:RSA


Das:2016:FBP


Dara:2016:EPH


Duan:2015:AAP


Dong:2011:PCS


Das:2017:VBP


Dhiman:2010:VSE

Gaurav Dhiman, Giacomo Marchetti, and Tajana Rosing.
<table>
<thead>
<tr>
<th>REFERENCES</th>
<th></th>
</tr>
</thead>
</table>
REFERENCES


Dutt:2007:E

Dutt:2008:Ea

Dutt:2008:Eb

Dutt:2008:E

DVT:2002:SBB

deAbreuMoreira:1997:ADC

Dong:2018:PAA

Duan:2015:DDO
Qing Duan, Jun Zeng, Krishnendu Chakrabarty, and Gary Dispoto. Data-driven optimization of order admission poli-

**Delledonne:2018:CDA**


**Enrici:2017:MDE**


**Engelke:2009:SSU**


**Edwards:2003:TCC**


**Esbensen:1997:PDI**


**Ewetz:2016:CR**

[EK16] Rickard Ewetz and Cheng-Kok Koh. Construction of reconfigurable clock trees for MCMM designs using mode separation and scenario compression. *ACM Transactions on Design Automation of Electronic Sys-
Erb:2014:ELF


El-Maleh:2003:TVD


Erol:2019:KSB


Emeretlis:2018:SMA


Elshoukry:2007:CPA


Elmandouh:2018:GFV

REFERENCES

**Eslami:2018:RTC**


**Elwakil:2012:DRM**


**Fallahzadeh:2018:TPC**


**Foroozannejad:2012:PBM**


**Fummi:2009:CMH**


**Fan:2007:ECD**

[FLWC07] Hongbing Fan, Jiping Liu, Yuliang Wu, and Chak-Chung Cheung. The exact channel density and compound design for...

Fan:2002:RDG

Flores:2001:ESM

Faezipour:2009:HPE

Fummi:1997:FDT

Forte:2013:RAA

Fujita:2005:ECB
Fang:2000:MFP


Feng:2005:UDP


Firouzi:2015:AVA


Fournier:2011:PAC


Gogniat:2000:CBE


Gorjiara:2007:UFE

REFERENCES

Gangwar:2007:IIC


Ghosh:2007:LPT


Ganley:1996:RST


Gomez:2018:SCP


Gingade:2016:HPM


Guo:2015:RDS


Grosse:2009:MPO

[GDF09] Philippe Grosse, Yves Durand, and Paul Feautrier. Methods for power optimization in

**Guan:2008:SAP**


**García-Dopico:2011:NAV**


**Guo:2017:OBP**


**Galanis:2007:SES**


**Goren:2006:TSG**


**Guan:2010:RFP**

REFERENCES

Geelen:2009:SLE


Ghasemzadeh:2016:HAE


Gasteier:1999:BBC


Ghosh:2004:COE


Gong:1997:MRH


Glebov:2002:FNA


Ganeshpure:2014:PDD


Gupta:2005:RAS


Gong:2012:FNM


Goel:2003:STA


Garg:2008:SLT


Gester:2013:BAD


REFERENCES

Gupta:2013:ECR

Gao:2018:ECI

Guin:2016:FCS

Gange:2014:SOS

Gupte:2015:FAT

Guthaus:2013:RAP

Gately:2012:AJO
REFERENCES


REFERENCES


[HNC09] Shih-Hsu Huang, Chia-Ming Chang, and Yow-Tying Nieh. Opposite-phase register switching for peak current minimiza-
REFERENCES

Han:2011:DIT

Hu:2001:ELA

Ho:2016:AAD

Holt:2012:FLP

Huang:2007:ESC
REFERENCES

Hansson:2009:CTC


Huang:2016:FOF


Hong:2009:RFD


Han:2017:CAB


Ho:2014:USS


Holst:2015:HTL


Hsiao:2008:ISS

REFERENCES


[Huang:2015:OAA] Xing Huang, Genggeng Liu, Wenzhong Guo, Yuzhen Niu, and Guolong Chen. Obstacle-

Hu:2008:PSF


Hosseinabady:2007:LTA


Hasteer:1998:EEC


Healy:2011:IMF


Hu:2014:GLI


Huang:2013:SNC

[HMVG13] Chen Huang, Bailey Miller, Frank Vahid, and Tony Givargis. Synthesis of networks of custom processing elements for real-

**Huang:2007:CSS**


**Hsu:2011:MSS**


**Hong:1999:POU**


**Hanc\_hate:2006:GTF**


**Hussain:2018:SSH**


**Hsiao:2000:DST**


Han:2018:FCS

Hyun:2019:IAA

Hung:2004:SCR

Hsiung:2000:CCM

Hsiung:2001:PPO

Huang:2013:LPA
Shih-Hsu Huang, Wen-Pin Tu, Chia-Ming Chang, and Song-Bin Pan. Low-power anti-aging zero
REFERENCES


[Huang:2001:CSP]


[Huggins:1998:SVP]


[Herrera:2007:FHS]


[HVF+01]


[Hwang:2000:PSS]

REFERENCES

Hung:2014:AFD


Huang:2013:OCC


Huang:2015:PDU


He:2016:RIM


Huang:2014:ICP


Huang:2018:DML


Huang:2015:CPM

[HYN15] Shih-Hsu Huang, Hua-Hsin Yeh, and Yow-Tyng Nieh. Clock period minimization with minimum leakage power. *ACM Transactions on Design Au-
REFERENCES

[Huang:2019:ILA]

[Inoue:2009:DSD]

[Issenin:2007:DDR]

[Ioannides:2012:CDT]

[Ittershagen:2018:IFM]

[Indrusiak:2015:FSN]
REFERENCES


Irwin:2000:E


Inoue:2008:PVS


Johnson:1998:MAS


Jamieson:2010:BER


Jan:2005:GMR


Jun:2018:RBD

Jaeyung Jun, Kyu Hyun Choi, Hokwon Kim, Sang Ho Yu, Seon Wook Kim, and Youngsun Han. Recovering from biased distribution of faulty cells in memory by reorganizing replacement regions through universal

**Joo:2008:ECP**


**Jha:2000:HLL**


**Jiao:2018:OER**


**Jones:2008:RFI**


**Juan:2014:SPT**


**Jagannathan:2002:FAC**

Jassi:2018:GGB


Jayakumar:2010:SIV


Jung:2015:LMS


Jose:2014:IAH


Jung:2019:ILP

Jinwook Jung, Gi-Joon Nam, Woohyun Chung, and Youngsoo Shin. Integrated latch

**Jeong:2017:CSP**


**Jung:2017:MSM**


**Johnson:2008:IME**


**Jang:2012:AAA**


**Jiang:2006:RCD**


**Jim:2016:CEE**

REFERENCES

Johnson:1997:DSM


Jeyapaul:2013:EEE


Jalili:2018:ERM


Jin:2009:GND


Jone:1998:CAD


Jones:2008:ISS


Angeliki Kritikakou, Francky Catthoor, Vasilios Kelefouras, and Costas Goutis. Array

**Kumar:2008:MSS**


**Kern:1999:FVH**


**Koushanfar:2005:BST**


**Kuo:2006:DID**

[Wu-An Kuo, Tingting Hwang, and Allen C.-H. Wu. Decompo-

**Karri:2001:IRT**


**Karri:2001:IRT**


**Karri:2001:IRT**


**Karri:2001:IRT**


**Karri:2001:IRT**


**Krishna:2004:AHE**


**Kim:2011:CTS**


**Kang:2014:IRA**


**Kim:2002:LTL**

[Ki-Wook Kim, Taewhan Kim, Ting-Ting Hwang, Sung-Mo Kang, and C. L. Liu. Logic

Kim:2016:NAP

Kwon:2008:RPP

Kastner:2002:IGH

Kahng:2015:IMR

Kim:2012:SAH

Kim:2015:MMS

Kim:2016:NAP

Kwon:2008:RPP

Kastner:2002:IGH

Kahng:2015:IMR

Kim:2012:SAH

Kim:2015:MMS


Kim:2016:SDM


Kao:2005:EAF


Knechtl:2018:MOF


Kuo:2014:RCS


[Keutzer:2009:ATD

REFERENCES


[Keutzer:2011:SSM]

[Kim:2015:AIP]

[Kahng:1997:ARI]

[KMC97]

[KMO+12]

[Kritikakou:2018:DDS]
REFERENCES


Karfa:2012:FVC

Kolson:1996:ORA

Kulkarni:2006:CTA

Karabacak:2018:RDU

Kornaros:2013:STC
<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
</tr>
</thead>
</table>
| [KRL15]   | Bradley T. Kiddie, William H. Robinson, and Daniel B. Lim-

**Kandemir:2006:IEB**


**Kurimoto:2010:PAE**


**Kadayif:2005:OIT**


**Keinert:2009:SAE**


**Kagaris:1996:FAM**

Kagaris:2001:NHC

Kadayif:2013:HSA

Kuchcinski:2003:CDS

Krishnaswamy:2008:PTM

Kountouris:2002:ESC

Katoen:2016:PMC

Kim:2016:IWP
Kurimoto:2012:VWR


Liu:2001:ODC


Leupers:2000:GBC


Ludwin:2011:EDP


Li:2006:LVA


Langevin:1996:RTC

Liu:2007:IEM

Lee:2013:SRB

Lee:2014:CPA

Li:2011:GRS

Lu:2015:EEB

Lee:2007:ISS

Lin:2002:OTB
REFERENCES

Liu:2010:ECR


Lee:2009:TSA


Liu:2012:FHA


Lu:2008:EDI


Lee:2007:CCA


Li:2003:TDC


Leung:2012:PVI


Liu:2018:RML


Lee:2008:FCB


Li:2017:ASE


Lee:2018:PTT


Liao:1999:TCB


Lin:2012:RSP

REFERENCES

ISSN 1084-4309 (print), 1557-7309 (electronic).


Lee:2012:ECM


Lee:2018:LBF


Livramento:2014:HTD


Lee:2011:GBP


Lee:2013:EMA

REFERENCES

Lee:2014:DCC


Li:2016:ODM


Liu:2005:ETT


Lin:2012:RDP


Lin:2015:DES


Lee:2016:ESM

REFERENCES

[4309] (print), 1557-7309 (electronic).


[4309] (print), 1557-7309 (electronic).


[LJ18] Pei-Yu Lee and Iris Hui-Ru


REFERENCES


[LLL+18] Wuxi Li, Yibo Lin, Meng Li, Shounak Dhar, and David Z.
REFERENCES


Lop:1996:EDP

Lee:2005:PDD

Liu:2016:DAE

Lari:2012:HPM

Lukasiewycz:2016:SAO

Li:1999:PEE
Livramento:2016:CTA


Linehan:2012:MDA


Liu:2008:PVA


Lee:2003:ACG


Lim:2007:ISI


Latifis:2017:MVC


Lalgudi:2000:OCE

Kumar N. Lalgudi, Marios C. Papaefthymiou, and Miodrag Potkonjak. Optimizing com-


REFERENCES

4309 (print), 1557-7309 (electronic).

Lu:2011:CBP


Lee:1999:BBI


Liu:2016:ECM


Lam:2012:EPL

Lysecky:2002:PIB


Liu:2014:SIS


Lopez-Vallejo:2003:HSP


Lee:2016:TPD


Li:2017:DMF


Liao:2007:SBC


Lin:2018:CMD

REFERENCES

Liu:2006:CML


Liu:2011:SBA


Li:2019:NRM


Lepak:2004:SSI


Lee:2013:RIB


Liu:2017:ILA


Li:2014:SUM


REFERENCES

Marwedel:2000:GE


Mazumdar:2016:CIS


Murthy:2004:BMP


Mariatos:2001:MAC


Mondal:2012:SEP


Muchherla:2008:NEW

REFERENCES


Mao:2016:LBP

[Fubing Mao, Yi-Chung Chen, Wei Zhang, Hai (Helen) Li, and Bingsheng He. Library-based placement and routing in FPGAs with support of partial reconfiguration. ACM Transactions on Design Automation of Electronic Systems, 21(4):71:1–71:??, September 2016. CODEN ATASFO. ISSN 1084-4309 (print), 1557-7309 (electronic).]

Mishra:2008:SDD


Marculescu:2013:ESS


Mathur:1998:RAE


Maslov:2007:TSR


Mukherjee:2012:SAA

REFERENCES


[MH96] R. Moreno, R. Hermida, and M. Fernández. Register esti-
REFERENCES

Mochocki:2007:TOA


Meyer:2014:CEL


Mittal:2016:STC


Mittal:2011:TVA


Memik:2005:SAO


Majzoobi:2013:LPR

REFERENCES


Marculescu:2000:SSM


Moudallal:2017:GCC


Marculescu:2006:CCR


Mohanant:2007:MBE


Mukhopadhyay:2009:IAA


Mundhenk:2017:SAN


REFERENCES

Moffitt:2008:CDF

Mehta:2000:UFR

Manolios:2008:AVS

Murugesan:2017:NRM

Mehta:2009:ICH

Mishra:2006:ADL
REFERENCES


Munch:1997:EIB


Nourani:2001:ITI


Neuberger:2003:MBU


Nacul:2006:STC


Nadakuditi:2013:BAS


Narasimhan:2001:FAC


Niggemeyer:2003:DAM

Dirk Niggemeyer and Elizabeth M. Rudnick. A data acquisition methodology for on-chip repair of embedded memories. *ACM Transactions on
Nongpoh:2019:ESE


Noltsis:2018:RSC


Nummer:2003:THP


Nguyen:2017:SAA


Nair:2016:ESP


Narayanaswamy:2016:BRE

REFERENCES


**Obenaus:2003:GFP**


**Oboril:2015:EIS**


**Ozdal:2008:ORA**


**Ozdal:2006:TLB**


**Ozdal:2008:ORA**


**Obenaus:2003:GFP**


**Oboril:2015:EIS**


**Pomeranz:2017:TMR**


**Pan:2012:ERE**


**Panerati:2014:CEM**

REFERENCES

Park:2017:HHC


Pinto:2006:SLD


Pourshirazi:2019:WAL


Palkovic:2009:TOL


Panda:2001:DMO


Peng:2017:LSA

Peng, Yin-Chi, Chien-Chih Chen, Hsiang-Jen Tsai, Keng-
REFERENCES


**Panda:1997:MDO**


**Panda:2000:CVC**


**Pedram:1996:PMI**


**Pedram:2006:ISI**

Massoud Pedram. Introduction to special issue: Novel paradigms in system-level design. *ACM Transactions on De-
**REFERENCES**


**Pedram:2008:E**


**Pedram:2011:CPV**


**Pop:2006:AOD**


**Peng:2012:SSE**


**Parulkar:2001:IRC**


**Poddar:2016:ECS**


Paul:2010:LOC


Pagliari:2017:AEE


Park:2015:SGA


Pomeranz:2013:BGM


Pomeranz:2014:DTM


Pomeranz:2014:LPS


Pomeranz:2015:ETC


Pomeranz:2015:FES

Irith Pomeranz. FOLD: Extreme static test compaction by folding of functional test sequences.
REFERENCES


**Pomeranz:2015:GDU**


**Pomeranz:2016:DTF**


**Pomeranz:2016:DTS**


**Pomeranz:2016:PSS**


**Pomeranz:2017:CSL**


**Pomeranz:2017:GTS**


**Pomeranz:2018:DDP**

REFERENCES


[PPDK09] Sudeep Pasricha, Young-Hwan Park, Nikil Dutt, and Fadi J. Kurdahi. System-level PVT variation-aware power exploration of on-chip communica-


[PPD09] Sudeep Pasricha, Young-Hwan Park, Nikil Dutt, and Fadi J. Kurdahi. System-level PVT variation-aware power exploration of on-chip communica-

[Pom98] Irith Pomeranz and Sudhakar M.


Pomeranz:2007:FDT


Pomeranz:2009:UST


Panda:2008:SBV


Pecenka:2008:ESR


Passerone:1998:MRS
REFERENCES


[PTC05] Paul:2005:HLM

[PWY05] Potluri:2015:DA


[PW99] Potkonjak:1999:MAD


[PWY05] Paul:2005:HLM

REFERENCES


[Rakk12] Rance Rodrigues, Arunachalam Annamalai, Israel Koren, and Sandip Kundu. Improving performance per watt of asymmetric multi-core processors via on-


Ranganathan:2009:VAM

Roy:2015:FTE

Raimi:2000:EML

Ravi:2014:HLT
REFERENCES

Rao:2009:COT


Reviriego:2009:EED


Raghavan:2009:PTG


Ramanujam:2013:DBC


Reddy:2003:TDV


Rahaman:2008:CTB

REFERENCES

Roy:2005:FSV


Riepe:1998:EBD


Riepe:2003:TPN


Rosvall:2018:FTA


Roop:2001:FST


Ruan:2005:BEL


Rawat:2003:I

[RW03] Shishpal Rawat and Hans-Joachim Wunderlich. Introduc-
REFERENCES


Shrivastava:2006:CFC


Saha:2017:SSS


Sapatnekar:2000:PDO


Su:2006:MPF


Shenoy:2001:ASL


Su:2008:SNT

REFERENCES


REFERENCES

Srivastav:2015:DUL


Srinivasan:2014:FAI


Schneider:2014:QNE


Schirner:2010:FAP


Sinha:2014:FAI


Sosic:1996:UAF


Saluja:2008:SBA

DEN ATASFO. ISSN 1084-4309 (print), 1557-7309 (electronic).

**Shi:2017:TAA**


**Su:1998:EFL**


**Srivastav:2012:DEE**


**Sarrafzadeh:2002:GE**


**Su:2006:AMS**


**Steinhorst:2016:CPC**


REFERENCES


**Singh:2010:AJE**


**Saxena:2002:ESL**


**Singh:2012:TRT**


**Su:2006:CTD**


**Suresh:2015:AGU**


**Singhal:2003:SOA**


**Sharma:2015:AIE**

REFERENCES


Sanz:2008:CSS


Singh:2002:ECC


Salcic:2017:NHH


Smirnov:2019:AOV

REFERENCES


Suresh:2016:AVD


Sundararajan:2004:NAI


Sahoo:2019:FMV


Shi:1999:SSL


Sun:2015:NUB


Somasekhar:2016:NEG

Shen:2013:AAP


Stitt:2011:TWD


S:2016:EAD


San
tos:2017:SMH

REFERENCES

<table>
<thead>
<tr>
<th>Reference</th>
<th>Authors</th>
<th>Title</th>
<th>Journal</th>
<th>Volume/Issue</th>
<th>Pages</th>
<th>Year</th>
<th>URL</th>
</tr>
</thead>
</table>

Sham:2009:CPE


Sun:2012:PTA


Sham:2008:OWR


Su:2017:EMC


Sun:2012:STD


Tang:2017:PPE


Tong:2013:TCT

Jason G. Tong, Marc Boulé, and Zeljko Zilic. Test compaction techniques for assertion-based
REFERENCES


REFERENCES


REFERENCES

Topaloglu:2018:ETS

Tang:2007:PDF

Tan:2016:ESE

Thorolfsson:2010:LPH

Thornton:1999:BSC

Tseng:2008:PPD
DEN ATASFO. ISSN 1084-4309 (print), 1557-7309 (electronic).

Trinadh:2017:ODC


Teman:2016:PAP


Thanvantri:1996:OFS


Thakur:1996:SPF


Tannir:2016:AMN


Tomiyama:1997:CPT

REFERENCES


REFERENCES

Vahid:1999:PCT


Venkatasubramanian:2016:PID


Vahid:2002:PSP


Vanbroekhoven:2007:PDS


Vemuri:2002:ER


VanAchtern:2003:SSD

REFERENCES


Verbeek:2012:EFS


Verbeek:2012:TFV


Tsao:2002:UDC


Wang:1998:MEV


Wang:2016:ERL


Wu:2006:MWR


Wu:2010:SCR

REFERENCES

Wang:2015:BST

Wu:2003:RBP

Wang:2014:CTS

Wang:2017:WPL

Wang:2016:MSM

Wang:2011:RCM

Wang:2007:ETR
Gang Wang, Wenrui Gong, Brian Derenzi, and Ryan Kastner. Exploring time/resource trade-offs by solving dual scheduling problems with the ant colony optimization. *ACM Transactions on Design Au-
REFERENCES


Shaoxi Wang, Xinzhang Jia, Arthur B. Yeh, and Lihong


Wang:2011:OAE


Wu:2016:PAC


Wu:2008:CPR


Wang:2016:HDT


Wolf:1996:OOC


Wang:2008:LAS


Wang:2016:ADB

[WQC+16] Yi Wang, Zhiwei Qin, Renhai Chen, Zili Shao, and Lau-

Wurth:1999:FMO


Wang:2018:VAG


Wu:2016:OAW


Winograd:2018:PGU


Wei:2014:TSE

REFERENCES


**Wu:2012:ESF**


**Wu:2008:PVA**


**Wu:2012:LST**


**Wang:2006:PDT**


**Wang:2010:CDF**


**Wang:2007:DIC**

REFERENCES


[YLNB17] Yuankun Xue, Ji Li, Shahin Nazarian, and Paul Bogdan. Fundamental challenges toward making the IoT a reachable


[YLNB17] Yuankun Xue, Ji Li, Shahin Nazarian, and Paul Bogdan. Fundamental challenges toward making the IoT a reachable

**Xu:2015:DCD**


**Xie:2018:TER**


**Xu:2015:ICF**

REFERENCES


**Xiang:2005:AIP**


**Xu:2016:PPA**


**Xu:2009:STA**


**Yan:2000:TLB**


**Yan:2008:TDO**


**Yan:2011:ICA**

REFERENCE

Yan:2016:PD

Yan:2017:LAE

Yan:2018:DCR

Yang:2018:UUE

Yao:2003:FRC

Yang:2000:ERC

Young:2016:PSS


Yi-Ping You, Chung-Wen Huang and Jenq Kuen Lee. Com-
REFERENCES


Yonga:2015:ABE


Yoon:2013:ACC


Yang:2014:WLL

REFERENCES


[YYG16] Bei Yu, Kun Yuan, Jhih-Rong Gao, Shiyuan Hu, and David Z.

**References**


**Zanini:2012:OTC**


**Zhao:2013:SRE**


**Zoni:2018:CSC**


Zhang:2015:RLP


Zhao:2016:SRE


Zheng:2019:HEB


Zeng:2013:IPD


Zhang:2016:CFS


Zhang:2015:RBA

REFERENCES


REFERENCES

196

4309 (print), 1557-7309 (electronic).

Zhang:2016:PPG


Zhang:2010:CSD


Zhou:2018:RRD


Zhang:2011:MPL


Zhou:2008:AAS


Zhou:2009:TAR


Zhu:2011:MPL

REFERENCES


Zhu:2017:CCA


Zhou:2012:ONC


Zhai:2018:ENG


Zhao:2013:CSL


Zhang:2017:RTV