A Bibliography of Publications about Virtual Machines

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Abstract
This bibliography records books and other publications about virtual machines.

Title word cross-reference

$32.95 [Ano97a]. 5 [ALW15]. T^M [Cza00]. TP [LTK17]. d [XDS15]. HV^2M
[CBZ’16]. w [Arv02]. II [Syr07]. V^2 [DG05].
-dienste [WF03].
.NET [Fra06, Fra09, Hee07, Hog06, Hog08, Men03].
/CLI [Fra06, Fra09, Hee07, Hog06, Hog08, Siv07, Wil06]. /dev/random
[Fer11].
0 [Sim92, SCP93]. 0.9.0 [WR07]. 0.9.1 [WR08]. '01
[Ano00, Ano01a, Ano01b, USE01c, USE01d]. '02 [USE02]. '03
[ACM03b, Ert03]. '04 [Ano04a, Ano04b]. '05 [ACM05d, Vra05].

1 [Pul91, Sch94a, WDSW01]. 1x [KGG90]. '10
[Ano10, See10, VSC +10]. 10.0 [Bau06b]. 10GE [HB12]. 11 [Ham76, PK75a].
11/40 [GBO87]. 1100 [Kam75]. 11th [ACM94a]. 12th [IEE95]. 14-16
[ACM96f]. 18 [Ano06a]. 1.x [KGG90]. '10
[Ano10, See10, VSC +10]. 10.0 [Bau06b]. 10GE [HB12]. 11 [Ham76, PK75a].

2 [Bri98, Com00, Com03, Kis08]. 2-Level [ZSR +05]. 2.0
[Fra93, Ng01a, SUN97]. 2000 [ACM00]. 2001 [ACM01b]. 2003
[RM03, ACM03a, ACM03b, EIE03, Int05a]. 2004 [ACM04a, ACM04b]. 2005
[ACM05a, ACM05b, ACM05c, Wil06]. 2006
[ACM06c, ACM06b, ACM06d, EIE06b, IE06a, Int06b, Int06c, Int06a]. 2008
23272 [Int05b]. 26th [ACM99]. 29-state [Sig99]. 2nd [Ano02].

3 [McC08, PO09, vdK09]. 3.0 [MRGB91]. 3.1 [Bau90a, Skr01]. 3.5
[Fra93, Hog08]. 32 [Ano14b]. 32-bit [VED06]. 335
[ECM01, ECM02, ECM05, ECM06]. 360 [Kam75]. 360/40 [ABCC66]. 370
[Att79, Bar78, Ber86, Cal75, GLC84, Gum83]. 37th [ACM96d]. 390
[DBC +00]. 3rd [ACM95b, ACM96e, Ano04a].

4 [Gal99b, G+06, Lav10, Low99, NOK+85]. 4-7 [M+06]. 40 [GBO87]. 43rd
[ACM96a]. 440 [R+02]. 4th [USE00a].

5 [IEEE92, War05]. 5.2 [P+08]. 5.5 [Bau96c, LMG+14]. 5G [CM18]. 5L
[Mly09].

6000 [ABD+91]. 64 [De96, Don96]. 64-bit [VED06, VED07]. 6th
[USE01b].

7 [HH98]. 7th [Tho93].

8 [LYBB14, She02]. 80 [BMWB86, BSUH87]. 84 [IT86]. 84/K [IT86]. '89
[ACM89].

'90 [IEE90b]. 9000 [ADG +92]. 91 [MR91]. '92 [IEE92]. '93
[GGH+93, IEE93b, LFBB94]. '96 [ACM96]. '99 [ACM99, USE99].

A-DRM [WIS +15]. A.NET [Men03]. Aachen [GHH +93]. AADebug
American [Boa90]. among [CDN02, LLF+18, LTZ+14, TtLcC13]. amplifying [DP11]. Analogy [Gai75]. analyses [HB13]. analysing [PV06]. Analysis [ACM05a, BFG+14, HT98, HB17, HWB03, JKK+13, KNT02, LCK11, MM93, NMS+14, Ost94, RI00, SM02, TKG89, WH99, WLS+18, ACM01a, AAh+03, BFM09, BMER14, EMS15, FX06, GP13, GPW03, LTZ+14, MD73, MD74, MSG01, RRB17, SMSB11, TLX17, Wüh13, YJZY12, DHPW01]. Analysis-Driven [ACM05a]. analytic [Bar78]. analytics [KB17]. Analyzer [Ano03a, SHLJ13]. Analyzing [CVWL13, PV08, ZDK+19]. Android [CXLX15, KLF+15, MMP+12, STY+14, THC+14]. Angeles [ACM06c, IEE84b]. Animated [PCR89]. annealing [RH17]. Annotated [MR04, RSF03]. annotation [ANH00]. annotation-aware [ANH00]. Announcement [Ano00]. Annual [ACM06a, Ano10, IEE85, IEE05, MS91b, Shr89, USE00a, USE01a, USE06, ACM06a]. anomalies [FRM+15]. anomaly [MW18, SIK+16]. Ant [AAK18, AP18, GGQ+13]. Antfarm [JADAD06a]. Anti [Sta07]. Anti-P2P [Sta07]. Antonio [ACM99, USE01b]. Anwendung [Bec09, Bor01, WF03, Zim06]. Any [WL96, FIF+15]. AOT [WKJ17]. APA [JNR12]. Apache [FRM+15]. apart [LBF12]. API [AAn14c]. APL [Alp91]. applets [Wes98]. Appliance [See10]. Appliances [BRX13, AEMWC+12, BSM+12]. Application [AW17, CHW12, cCWS14, Cza00, HMH17, KNT02, KLF+15, LWC+17, MD73, MD74, PCW+16, TB17, AS14, BBS06, IBM88, Int88, IBM96, JSK+13, JCZZ13, JDJ+06, Kga09, Lia05, LBF12, LLS+08, MRGB91, SE12, SWCM12, SASG13, SL00, ZSO1, ZBG+05]. application-specific [ZSO1]. Application-transparent [AW17]. Applications [Ano99b, Ano03a, BAL15, Boa90, DJS+17, FBL18, HHV+02, HSK17, HC17, IEE05, JW17, NKK+06, Pfo13, PY93, SS05, TR88, WLS+18, AS76, Alp91, AC16, AB16, ACT94, ABC+07, BD11, BTLNB+15, BOF17, DM18, DBC+00, EF94, EMS15, GHD12, GTN+06, GH+03, HKS19, HcC14, HKD+13, HSC15, JPT+94, KRG+12, LCLK+14, MCC18, dOL12, PTM+15, R+13, RSLA+16, Sch13b, SGV12, SZ88, TDG+18, WDCL08, YGN+06, ZB05, ZNSL14]. Applicative [AS85a, Abr82, AS85b]. applied [MM92]. Approach [BFG+14, BRX13, CPM17, CLW+14, Cox09, DPCA11, DM75, EMAL17, FPP+02, Jen79, JQWG15, KC16, KAH83, NS12, SDD+16, VN06, WJ10, WVT+17, XD17, ZTWM17, BML+13, BHvR05, CGL+08a, CGL+08b, CGL+08c, CBZ+16, CKP+19, GLLJ16, KW13, KKB14, LH13, LU04, MD73, MD74, PSC+07, Pon19, SENS16, TDK17, XHCL15]. Approaches [BAL15, FMIF18, JK15, TIIN09]. Appropriate [ZRS+16]. apps [MMP+12]. April [Ano01b, IEE84a, USE01c]. Arbitration [SKJ+17]. architectural [TZB19]. Architectural [DCP+12, JR02, NMHS15, PEC+14, SL12, CFS+12, DLL+16, RJV+01, WLL+13]. Architecture [BBD+91, BKMM87, BDR+12, CAF+91, DAH+12, F+05, Gol73, Gum83, HW93, Hsu01, HWCH16, IEE85, KZB+90, Kuc77, LG00, LG01, LGR14, MSS+15, PCC+16, PK75a, Rev11,
Architectures-aware [WIS+15]. Architecture (R) [MBBS13]. Architectures [ACM06b, BN75, EMAL17, EG01, HW93, HHK94, Ian14, PG74, PY93, RD90, BGS13, DM93, EMI13, KMG+18, PG73, Skr01, YZW+13, ZP14].

Architektur [Dal97]. Area [BFG+14, Fis01]. Arizona [IEE05]. ARM [DN14, DLL+16, GNDB16, MGL+17, ZTWM17]. Aroma [Sur01]. Arquillian [Ame13]. Array [MBK+92, SV15]. Arrivals [KMM13]. Art [BGP00, SGB+16, AEB19, BDF+03, MDD+08]. Artificial [MR91, TVO92, BCM90, IM93, KCV11, RK16]. arts [BB08]. as-a-Service [ESY+17, HPHV17]. aspect [BADM06]. Aspects [Hsu01, Kna93, EF94]. assembler [GBO87]. Assembly [BD01, SVB93, Don88, Jno07]. Assembly-Language [SVB93]. assignment [AAM+16, KMT14, WZV+13]. Assisted [CCML12, JSHM15, JAS+15, RTL+18, AJH12, AEB19, GMK17, ZYZ+18]. Assists [OLZ+16]. Assurance [LJZ12, LLW+12]. Assuring [YDW18]. AST [ZLB+14]. asymmetric [CBG+12, KKJ+14]. Asynchronous [Cav93, LL+11, MM93, RZPX19, SM01, WN17, vLSM01]. Atlanta [USE86, USE00a]. ATMS [CGW00]. atomicity [BHSB14]. attached [Mon97]. Attackers [CLS07]. Attacks [SL16, SYB12, TV12, WWL+17, GHD12, VT14, WXW15]. Attestation [ZL16, VT14]. attribute [FS89]. Auction [SZW+16, TVKB16, ZG13, ZLH+15]. auction-based [ZG13]. Auctions [ZH+17]. Auditing [SM90]. aufsetzen [RHM08]. augment [Bri98]. August [RM03, IEE96a, IEE97, IEE99, MR91, Ost94, USE93, USE00b, USE02]. Ausfalls [Mar08]. Austin [ACM75, IE02, IE03]. Australia [MR91]. Author [DM76]. automata [RGAT18, RT18, TLX17]. automata-based [RGAT18, RT18]. Automated [AD18, ACM05a, Ano03b, BSSS14, HLP+16, FGLI15]. Automatic [MS00, SMES01, SMA+10, Sus76, WML02, ZLZ13, CL17b, MSZ09]. Automating [MJW+06]. Automation [ACM06a]. automaton [Sig89]. autonomic [SWC08, WDL08]. Autonomous [SC17]. availability [AAD+09, Fu10, LDL+08, MRC+13, YLH14]. Available [Ano03b, GI12, GI13]. avatar [CKT08]. average [LDL4]. avionics [ABC+07]. Avoidance [LYS+18, OG16]. Award [War11]. Aware [AAK18, BMS16, BL17, CWH+16, CGC16, CWL+15, CYX+17, CHLY18, Do11, EGR15, HC17, HPP15, JJK+11, JQWG15, KL14, LMM18, Man16, RG17, SDD+16, TB17, XLL+14, XJ16, YLH17, ZCG+17, ZWL+18, dSdF16, ADA+19, AO16, AMAB17, ANH00, CD14, DXM+17, DCMW17, Fu10, GLK+12, GA18, HKS19, HSC15, HC12, IKU15, JNR12, KC16, KBB11, KCS14, KR16, KLF+15, LYY+18, LWL16, PFPJ18, RH17,
SSB+14a, SSN12, SGV12, SZL+14, SK13c, WIS+15, WCC+16a, WDT18, X CJ+14, YRJ18, ZHHC17, ZWC+19, ZWH+17. Awareness [ZHL16, LCL14]. Azure [Fab13].


Ballooning [LJL+15]. Baltimore [Ano93]. Band [ZSXZ07, PBYH08]. Bandwidth [LJFS17, YLH17, ZRS+16, BAC15, GLLJ16, LZW+15, WQG15, WXW15]. Bandwidths [LMM18]. Bare [AGH+16, OSK15, GAH+12]. Bare-metal [AGH+16, OSK15, GAH+12]. barrier [Rix08]. barriers [LM99]. Base [UOKT84, WH08]. Baseband [KWZ+19]. Based [AAK18, Bad82, BAL15, CWL12, CHW12, CLW+14, CD12, CDD13, DF96, GGG03, HKM+18, HWWH18, JN15, KP15, KA1314, LW11, LP14, LCT+15, LW12, LZW+17, MJW+14, MGL+17, OVT+12, PDS08, Ran02, RZX19, RWX+12, SJJ+05, SHZ+14, SKJ+17, TV12, WB81, WLS+18, YWR+14, YLN+17, ZQ16, ZXY+15, vLSM01, AD18, ABB19a, Ano96, Ano06a, AB16, ALL06, AM11, BD11, BL17, CL17b, CVWL13, CGL+08a, CGL+08b, CGL+08c, CWC+14, CBZ+16, CLC13, CPST14, CPST15, CGV10, CRG16, DP11, DC15, DPCA11, ES17, FS89, FLB10, FF96, FL13b, GTGB14, GDA+17, GR15, HOKO14, HWCH16, JWH+15, Kago9, Kam13, KS13, KRCH14, KKB14, KB16, KM13, KJM+07, KKJ+13, gKEY13, LMJ07, LBL16, LYY17, LY17, LLS+08, LC13, MCD18, MAP+18, MW18, Oi05, Oi06, Oi08, PFH+16, PGL12, QZDJ16, RGAT18, RH17, RT+18, SB14, SS13, SENS16]. based [SG10a, SGV13, SPF07, SV17, SCFP00, Sto07, TT96, TY14, VT14, Vog03, WKT08, WDC10, WXZ+17, WW77, XZ11, XZZ+16, WX+17, YC98a, YC98b, YZL14, YLCH17, YBZ+15, ZGL13, ZLH+15, ZWH17, ZAI+16, ZLL+16, dSOK17, vKF13]. basic [A+04]. basierende [Deu08]. Basis [Kar07]. Batch [KMM13, LD05, SS13]. Bathymetry [MMG+18]. Bay [Ano10]. Bayesian [LYYY17]. BCPL [Abr80, WW77]. BCPL-Slim [Abr80]. Be [Cox07]. beams [MC98]. Beautiful [SG09]. Bedienung [KG00]. beginner [RR99, Wes98]. Behavior [EG01, XWH+16, ZDLG17, CL14, LWB+15, Oi08, Wol99]. behavioral [CL17b]. Behind [Cra98]. Belgium [ACM04a]. Benchmark [DHPW01, GPW03, SMSB11]. Benchmarking [CGS06, RO16, AKH+15, FLM+08, KJ13, ZS01]. benchmarks [LJN+00].
6, CK06t, CK06r, CK06s]. Betriebssysteme [WR07, WR08]. Better
[MW05, Com00]. Between
[Jun79, KLLT18, ZLHD15, BDJdS02, CL17a, GSW+17, KGS16]. Beyond
[FPS+02, ACM04a]. Bias [Lee16], biased [ABDD+91]. Big
[GTI+15, MSG14, BOF17, DXM+17]. Billing [RB17]. Bin
[GR15, SXCL14, XDL15]. Binary
[KLF+15, ZFL15, dGG+17, HLW+13, JYW+13, PGLG12, vKF13]. BIND
[Sec00]. binding [KW13]. biodata [Wün13]. biogeography [ZLL+16].
[VED06, VED07]. Bitcoin [HB14]. BizOps [FBL18]. Black
[NMMP15, VVB13, TZK17, WSVY09]. black-box [TZK17, WSVY09].
Blessing [Kot10, Kot11]. Block [Sch94b, Sch94a, TLB12, Zyt94a, Zyt94b,
FFBG08, FLCB10, LLE17, TKG89, WF07]. block-device [FFBG08].
block-level [FLCB10]. block-paging [TKG89]. Blockchain
[CQLL18, DMH18]. Blocks [Lam75]. blows [BTMK+17]. Blue
[SSU+12]. board [CGV10]. Bochs [Ano14b]. bodies [AGIS94]. Bolton
[ACM03b]. Book [Ano97a, Fra13, Lii09, Van98, B+07, TC10, War02]. books
[Van98]. boost [CBZ+16]. boosting [AC16, LKY+17, PGLG12]. Boot
[NOT+17, SB16, DBO+18]. Bootstrapping [CBLFD12, Kam75]. BOS
[RP07]. Boston [IEE85, USE01a, USE06]. Both
[ZHL16]. Bottom
[UOKT84]. Bottom-up [UOKT84]. bound [JGA+88]. boundary [SBQZ14].
bounded [XHL+13]. Box
[NMMP15, TZK17, VVB13, WSVY09, XHCL15, MNS+14]. branch
[CEG07, EG03, JGA+88, JYW+13, WHC16]. branch-and-bound
[JGA+88]. branch-and-price [WHC16]. branches [KJM+07]. Breadth
[MNS+14]. Breaking [GBK15, Rix08]. breed [Arm98]. Bridge [Men03].
Bridging [ACMO4b, FL13a, GSW+17]. Brighton [Vra05]. bring [XKY+11].
Bringing [BD+12, STS+13]. brokering [TMMVL12]. browser
[FIF+15]. BSD
[WF03]. Buch [KGG00, Tho08]. buddies [WTLS+09]. Budget
[RBP17]. Budget-Driven [RBP17]. buffer [JADAD06b]. buffers [CFG+13].
Bug [Ano97b, Ano15]. Building [AAB+05a, CGM17, DBC+00, DF96,
HWCH16, PEC+14, SJ+05, See10, TSP17, Nie12, SG10b, WH08].
Burstable [WUNK17]. bursts [DP11]. bus [HHPV15]. Buying
[YLN+17, ZHL+15]. buying-based [ZHL+15]. BYOD
[DMG+15]. Bypass
[LHAP06]. Bytecode [MO98]. bytecodes [SUH86].

CK06q, CK06t, CK06r, CK06s]. Betriebssysteme [WR07, WR08]. Better
[MW05, Com00]. Between
[Jun79, KLLT18, ZLHD15, BDJdS02, CL17a, GSW+17, KGS16]. Beyond
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bounded [XHL+13]. Box
[NMMP15, TZK17, VVB13, WSVY09, XHCL15, MNS+14]. branch
[CEG07, EG03, JGA+88, JYW+13, WHC16]. branch-and-bound
[JGA+88]. branch-and-price [WHC16]. branches [KJM+07]. Breadth
[MNS+14]. Breaking [GBK15, Rix08]. breed [Arm98]. Bridge [Men03].
Bridging [ACMO4b, FL13a, GSW+17]. Brighton [Vra05]. bring [XKY+11].
Bringing [BD+12, STS+13]. brokering [TMMVL12]. browser
[FIF+15]. BSD
[WF03]. Buch [KGG00, Tho08]. buddies [WTLS+09]. Budget
[RBP17]. Budget-Driven [RBP17]. buffer [JADAD06b]. buffers [CFG+13].
Bug [Ano97b, Ano15]. Building [AAB+05a, CGM17, DBC+00, DF96,
HWCH16, PEC+14, SJ+05, See10, TSP17, Nie12, SG10b, WH08].
Burstable [WUNK17]. bursts [DP11]. bus [HHPV15]. Buying
[YLN+17, ZHL+15]. buying-based [ZHL+15]. BYOD
[DMG+15]. Bypass
[LHAP06]. Bytecode [MO98]. bytecodes [SUH86].

C [Fra06, Fra09, Hee07, Hog06, Hog08, Wil06, Blu02, CWW00, G+01, Hee07,
Hog06, Hog08, JMW08, Men03, Siv07, Wil06]. C# [G+01]. C/C [Blu02]. CA
[ACM06a, ACM06b, Ano97a, EEE84b, EEE93a, USE01c]. Cache
[JQWG15, NSP16, RHR02, Boz89, JADAD06b, O05, RJK16, ZP14, AMA18].
caches [BLRC94]. Caching [AMA18, KJL11, MM93, LM99, RXW+17].
Calculations [Bad87, Hol95]. Calculus [ABV12, Wat86, Wat87, WK90].
Calif [ACM01b]. California
[ACM05a, Ano01b, Ano04b, Ano10, IEE96a, IEE97, IEE99, USE91, USE99, USE01c, USE02, IEE84a, IEE90a, IEE91, Tho93]. **Call** [DEK+03, Lec16, PUL016, PVRR14, SSB+14a]. **Call-site** [SSB+14a]. **calling** [HB13, SSB+14a]. **calls** [VMBM12]. **Cambridge** [USE03]. **Can** [Cox07, GW07, THB06, Sig89]. **Canada** [ACM06f, So83]. **CAOS** [Sch86]. **Cap** [HC17]. **Capabilities** [TVO92, Ame13, AAB+05c, Fit14]. **capable** [PST+15]. **Capacity** [HMH17, WUK+18]. **capo** [SMSB11]. **Capping** [HSK17, JKK+13]. **Capture** [SCFP00, Sur01]. **Capture/Replay** [SCFP00]. **capturing** [BKC+13]. **Card** [Siv04, SUN97, HM01, Req03, JCV99]. **cards** [GLV99, TLBW12]. **carry** [Ame13]. **carrying** [FCG+05]. **Cascade** [YYL+15]. **cascading** [HL13]. **Case** [GGG03, HWB03, Ian14, PK75a, HIIG16, MN03, Sig89, SIRP17, Vit14]. **Case-Based** [GGG03]. **Cases** [FG91]. **Cassandra** [FRM+15]. **Catalyst** [Ano03a, GMK17]. **Categories** [Gai75]. **causes** [FRM+15]. **CBase** [ZLZ+19b]. **CCAP** [JQWG15]. **CCGrid** [TLC06]. **CD** [Joo06]. **CDN** [LYS+18]. **Cells** [DAH+12]. **cellular** [ALW15, Sig89]. **Center** [Ano93, Car14, CGC16, DY17, IEE90b, PCC+16, WN17, XWJX15, HUWH14, LZW+15, Man15b, MRM06, MMB09, NTH+17, VOS12, WDCL08, WZV+13, YPLZ17, ZLZ+19b, ZWH+17, Car13]. **Centers** [BB13, CL17a, EGR15, KMM13, LMM18, LVM16, Man15a, Man16, SH16, YL1H7, ZHL16, dSdF16, AGH+15b, AGH+15a, ATS16, AMAB17, ARMA18, BB12, FLL+13, IKU15, KTB17, LZC+16, PVRR14, Pon19, RK16, RH17, RT18, RJK+17, WCY+17, WTLS+09]. **centralized** [Fis91]. **Certain** [JHS12]. **Certified** [Kh09, IIPB09]. **CeU** [SIR+17]. **Chain** [EMAL17, HJG18, RH17]. **chain-based** [RH17]. **Chaining** [LLW+16, GHM+18]. **Chains** [JWL+18, KLLT18, NRS92]. **Challenges** [AFG+17, JW17, Nie12, SG10b, AEB19, CM18, FJKK17, LDDT12, MA10, MA17, PCB+18, THIN09]. **change** [ZL13]. **Changing** [Mac79]. **Channel** [LGR14, TTH+19, MN03, WXW15]. **Channels** [Hu90]. **Characteristics** [SHW+15, CWC+14]. **Characterization** [AMA+14, CGS06, IEE02, IEE03, ACM06c, RVJ+01]. **characterize** [LJN+00]. **Chatten** [Joo06]. **Cheat** [Rul07]. **checking** [BHSB14]. **checkpoint** [BBHL08]. **checkpoint/restart** [BBHL08]. **Checkpointing** [ECJ+16, PEL11, SGV12, TSLBYF08, dSOK17]. **checkpointing-enabled** [SGV12]. **Cherub** [JCZZ13]. **Chicago** [ACM05d]. **chip** [Mon97]. **Chips** [FRD+08, IEE97, IEE99, IEE96a]. **Choices** [XDSL15, Ano93]. **CICS** [R+13]. **circuit** [Bur02, KKC+16]. **Class** [LCWB+11, LB98, Pat12, SS17, Won97]. **classes** [Bor07, Skr01]. **classical** [SGS92]. **Classification** [VTWL16]. **CLI** [ECM01, ECM02, ECM05, ECM06, Int06b, Int06c, Int06a, Fra06, Fra09, Hee07, Hog06, Hog08, Sig07, SNS03, Vos03, Wil06]. **CLI-based** [Vos03]. **Client** [RSW+06, DPW+09, HIIG16]. **CLIP7** [Lau87]. **Cloning** [LCWB+11]. **Closing** [ZLHD15]. **Cloud** [ASSB18, BB13, BHEP14, CWL12, CPKL17, CFM17, CPS17, DKW15, FBL18,
Continuum [Bad87]. Contraction [Par79].

Control [AGLM91, Att79, CL16b, HHC+16, LZ15, PSBG11a, RSNK17, RSN+18, Sch94b, Sch94a, SDD+16, Sur01, WJ10, WUK+18, WN17, WSAJ13, Zyt94a, Zyt94b, AS76, BKH+06, FP14, HB08, Kis08, KKS12, Lia05, PSZ+07, PSBG11b, PSC+07, STS+13, ZBG+05, ZSW+06].

Control-Flow [WJ10].

Controlled [KK79, Sto07].

Controllers [AMH+16, CWG00].

Controlling [HSK17, BKC+13].

Convection [BB95].

Convention [Ano93].

Converged [DPW+09].

Convergence [RM03].

Conversion [GBO87, IBM94, YTY00].

Convex [SJRS+13].

Cookbook [Car13, Car14, G+06, P+08, TH10].

Cooling [ARMMA18].

Cooperative [KJL11, GLLJ16].

Coordinated [BRX13, LZ15, CRB12, KKJ+13, NS07, BBMA91, MSS91].

Coordinating [ZNSL14].

Coordination [ABV12, CRG16, Tho93].

COOTS [USE99].

Copley [USE01a].

Coprocessor [LRZ16].

Copying [PV08].

CORBA [GCARPC+01].

Core [RTL+18, CMP+07, DQR+13, KW13, PNT12, SK13b, YTS14].

Corel [Ano03b].

Corner [Sch94b, Sch94a].

Correct [DM93, IM75, Kou11].

Correction [Lee16].

Correspondence [BDJdS02].

Cosmology [Nel04].

Cost [AMA18, AMH+16, HKS19, HKM+18, ADA+19, Dre08, KJM+07, LBZ+11, OMB+15, SJRS+13, WCY+17, YRJ18, ZLZ15].

Cost-aware [YRJ18].

Cost-effective [HKS19].

Cost-Efficient [AMA18, OMB+15].

Costs [ZHW+17, FLL+13].

Count [XWX+17].

Counter [NB11].

Counteracting [VT14].

Coupled [WN17].

Course [AL05, Don88].

Courses [BBS06, GD08].

Cover [Arm98].

Coverage [CSS+16].

Coverage-directed [CSS+16].

Covert [WXW15].

CPU [BSSS14, HBo8, JGW+11, Kam13, LWC+17, Skr01, SK13c, WGLL13].

Crash [KY16].

Create [Fit14].

Creation [CK06b, CK06e].

Credit [KP15, KCS14].

Credit-Based [KP15].

Crisis [AT16].

Criteria [ATS16].

Critical [WLM16, LWM14].

Crop [UBF+98, BDF+98].

Cross [GS+18].

Cross-ISA [WLW+15, WCC+16b, AW05, BKC+13, CWH+14].

Cross-Architectural [JR02].

Cross-Architecture [SWF16].

Cross-Platform [JXL+12].

Cross-run [AW05].

Cross-thread [BKC+13].

Crosscut [CLG+10].

CrossOver [Ano03b].

Cryptographic [QZDJ16].

Cryptography [RY10, VDO14].

CSDA [War11].

CSDP [War11].

CTO [Cre08a, Cre08b, Cre09, Cre10a, Cre10b].

CUDA [MGL+17, PRS16].

Current [AH12, RG05].

Curse [HB14, Kot10, Kot11].

Customer [PP014].

Customizable [LJFS17].

Customization [PCC+16, CGV10].

Customized [HB13].

CVM [DSC+08].

CyberGuarder [LLW+12].

DADTA [ZLCZ18].

DAI [AKK+07].

DAM [B+07].

Dana [Ano10].

Dancing [DLX+17].

Dark [Fer11].

Darling [MR91].

Dartmouth [Lee86].

Dartmouth-Smalltalk [Lee86].

Data
[BFHW75, BB13, CL17a, CGC16, DY17, EGR15, FL13a, GTS+15, IEE84b, KP15, LMM18, LVM16, Man15a, Man16, Nel04, PCC+16, SB16, UVL+13, WN17, Weh94, XWJX15, YLH17, ZHL16, dSdF16, AKK+07, AGH+15b, AGH+15a, ATS16, AMAB17, ARMM18, BK14, BB12, BDE+03, BOF17, CKRJ17, CFS+12, Cla05, DXM+13, GE85, GH91a, HN08, HUWH14, IKU15, KTB17, KJJ+16, KSLA08, KB17, LDL14, LZW+15, LZC+16, LRP+19, Man15b, MM06, MBM09, NTH+17, PVRR14, PRB07, Pon19, RK16, RH17, RT18, RJK+17, She91, TSLBYF08, VOS12, WKJ17, WDCL08, WZV+13, WCY+17, Wo99, WTLS+09, WCG14, XXZ13, YPLZ17, ZLZ+19b, ZWH+17].

data-flow [GE85]. data-parallel [She91].

Database

[WK90, BBS06, CSSS11, ECAE13, MN91, MRC+13, PTM+15, SI81, SMA+10].

databases [GDSA+17]. Datacenter

[BBM+15, KGGS17, BCP+08, GTGB14, MSG+12, SG10b, ZLZ15, ZWC+14].
datacenter-scale [MSG+12].

Datacenters

[JWL+18, KL14, LGJ+18, SC17, SC18, GLJJ16, LPBB+18, WRS13].

Dataflow


DDC [CYX+17]. DDG [PGLG12]. DDG-based [PGLG12].

de-duplication [CLcC13].

decomposition [DK13].

defined [AFG+17, CL17a, CPKL17, JN15, LLW+16, ZKWH17, ALW15, HHSG18, LJR12, LWL16].

defining [DL89, Hir17, Lot91, BMWB86].

Defragmenting

[SGV13]. Degree [KMM13]. DejaView [LB+07]. Delay

[RSNK17, RRKR17, WCY+17, ZRS+16, LCL14]. Delay-cost [WCY+17].

delay-sensitive [LCL14]. Delivery [FLZ17, TFltC15]. delta [SHTE11].

Demand

[CWL12, KJ+13, MSS+15, SC18, SEF+06, ZZF06, DEG+17, J+05, JCZZ13, LZW+15, SGV13]. Demand-based [KKJ+13, SGV13].

Denelcor [Dun86]. denotational [Arv02]. Denver [USE00b].

Deoptimization

[KRCH14]. Dependability [FP14, VW08]. Dependable

[DPCA11, SJW+13]. dependences [BKC+13]. Dependent [BP99].

deployed [RY10]. Deploying [KLLT18, R+13]. deployment

[AAB+05b, Bor07, CGV10, SASG13, ZLZ13, ZLV+12, ZBS+15]. derivation

[MSZ09]. Derivative [Pfo13]. derived [Int06c]. Deriving [HWB03]. Design

[ACM06a, AC16, Ano03a, Ano03b, fLtNW14, ACA16, BGS89, CPS17, Clo85,
Domain-aware [KLF+15]. Domains [PNT12]. dominance [CPST14]. done [Han16, HUL06]. Don’t [HHPV15]. Dortmund [Müh75].
DoubleChecker [BHSB14]. Down [JJ91, PBWH+12]. Downing [Ano97a].
Dozens [War11]. DPMI [GMR93]. drafting [MSCK92]. Driven
[ACM05a, NSJ12, PY93, RB17, SV13, TVO92, CSSS11, DLX+17, EdPG+10].
Driver [JXL+12]. DriverGuard [CDD13]. Drivers
[Chu06, JKK+10, Nou92, LU04, MSZ09]. DRM [WIS+15]. DRP [Mar08].
Dual [FL13b]. dual-VM [FL13b]. Duality [FS08]. dummies [Low08].
duplication [CLcC13]. Durham [Boa90]. during [JK13]. DVFS
[Kam13]. DVM [MSG+12, MSG14]. Dynamic
[Abb80, AMAB17, BB13, BH15, DHPW01, DMG+15, GSN93, JWH+15, 
Lec16, LB98, LJJ+15, MDGS98, NMG15, PTHH14, SZW+16, TMLL14, TB17, 
TV12, Vac06, WWH+16, WCS09, XSC13, XML+18, YLN+17, ZFL15, ZWL09, 
ABD+91, ARMMA18, AP18, BK14, BB12, BB15, BZA12, BOF17, CSV15, 
CST15, GPW03, HLW+13, HB13, JK13, JWY+13, KRCH14, KJM+07, 
LM12, LYY18, LJJ12, Mly09, NTH+17, PGL12, PBAM17, RH17, 
RRB17, WRSvdM11, WRS+15, Wu13, WWH+17, XH90, YWF09, vKF13].
Dynamically [MZG14, BLRC94, BDT13, FC98, HH13].
dynamically-linked [FC98]. Dynamics
[YWCF15, ACT94]. dynamo
[Hol95].

E-Mail [Joo06]. e-Science [SVG12]. e-server [A+04]. Eagle
[KS18]. early
[HLW+13]. early-exit [HLW+13]. Ease
[Par79]. eBay
[Joo06]. ECI
[AMA18]. ECI-Cache
[AMA18]. ECMA-335
[ECM01, ECM02, ECM05, ECM06]. ecological
[KSSG16]. Economic
[FBL18, CSV15]. ecosystem
[DMH18]. Edge
[BBM+15, CPS17, Cre10b, 
RSNK17, RSN+18, Sar16, Cre10a, MPA+18, ZLZ+19a]. edge-intelligence
[MPA+18]. Edition
[KGG00, LYBB14]. Editorial
[Sed07]. Editors
[FDF05, KS08b]. EDSAC
[CK96]. Education
[ACM06a, AJD09, DG05, GLA+08, HMS04, DTW07]. educational
[WDSW01]. Effective
[LW11, LWC+17, WUK+18, HSK19, Sto07, WKJ15].
Effectively
[UR15]. effectiveness
[Man15b]. effects
[KCV11]. Efficiency
[BPP+17, KDB16, GTK17, KSSG16, PVRR14, PBAM17, ZLY18]. Efficient
[AMA18, BHDS09, BKH+06, CWL12, CWH+14, CGV10, CHPY17, DMR10, 
ECJ+16, EG01, GHS17, HB13, JGSE13, KL11, LM99, MBBS13, NSL+06, 
ORPS09, PP16, PCC+16, RSF+15, SHZ+14, TLX17, WLW+15, WCC+16a, 
WXZ+17, WHD+16, WXW+17, YP15, AAM+16, AMAB17, BHRv05, BB12, 
BB15, BRJ10, BHSB14, BDE+03, Car14, CGM17, CFS+12, DQLW15, 
DCP+12, EGBK02, FM90, HM18, HMK17, IMK+13, KMT14, KMG+18, 
KR16, LLE17, LZZ+16, NTH+17, OMB+15, PEL11, RT18, RZ14, SENS16, 
SJRS+13, SSN12, SVG12, SYMA17, SLA+16, SHTE11, WKJ15, XXZ13, 
YPLZ17, YLK+10, ZWX16, ZDK+19, ZL13, ZLCZ18]. Efficiently
[CWL+15, EGJS15, BKC+13]. EGO
[FSFP19]. Eighth
[IEE01]. einem
[See08a]. Einführung
[CK06a, CK06b, CK06c, CK06d, CK06g].
[BGM70, CL16b, GIK+99, Gen86, GGG03, HW93, IEE06a, J+05, JADAD06a, LWC+17, LW12, Mac79, RT93, TMV12, XSC13, AAB+05b, BH13, CLDA07, CGW00, Don87, GD08, GMR93, Ha109, HL13, JWH+15, JXZ+10, JADAD06b, KW13, KMG+18, LJYZ15, McG72, MST+05, MW18, MPF+06, RGAT18, TMLL14, TT93, Van06, WLL+13, ZBP05, ZLLL13].

Environments [ACM05d, ACM06f, CWL12, GKXK13, HHW10, HKKW13, KGZ+04, NKC+18, RGSJ17, SV13, ZZZF06, ADA+19, ATS14, BCC+15, BRIDM10, BDK+08, CFVP12, DP11, DEG+17, FMIF18, GMK17, HOKO14, HC12, KSO+15, KKB14, PSZ+07, SJW+13, SGV12, TRG13, VDO14, WWWL13, XHL+13, YLK+10].

Ephemeral [WHD+16]. equivalent [TLX17].


Evolution [HH79, Kim84, SLM89, SL16, AGSS10, CD01, GBCW00, Kro09, WIDP12]. Evolutions [BAL15]. evolving [Ane96, FF96]. examining [HN08]. Examining [NL00]. exceeding [GHS16]. Excelsior [MLG+02]. exception [Sal92]. Exceptionization [YKM17]. exceptions [Ven97b]. exclusion [SGS92]. Executable [MP01]. executables [AD18]. executing [ACT94, Lot91]. Execution [ACM05d, ACM06f, HWB03, KGZ+04, LWC+17, MM93, MO98, PY93, RT93, SV13, vLSM01, AS76, AAB+05b, BFC02, BDK+08, CLDA07, Fre05, GACRP+01, GK05, MMP+12, OJC91, SM01, TCT93, ZL13].

Execution-Driven [PY93]. executions [KM13]. Exercise [Lee86].

existential [AT16]. Existing [JMSLM92, LTT92]. exit [HLW+13]. exitless [AGH+16]. exokernel [Co99]. Expansion [Par79]. Experience [San88, RM03, CARB10, CBLFD12, PBAM17, RSC+15, TGCF08].

Experiences [NV05, SCD90, Tsa14, CMP+07]. Experimental [Bro89, ACM06c, FSH+13, HL13, SS72]. Experimenting [Taf11].
explorative [AHK+15]. explore [Fit14]. Exploring [SE12, SldLB15, YBZ+15]. Expo [Ano06a]. Express [Ng01a, Ng01b].
Expression [Cox07, Cox09, Cox10, Cox12, Wat86, Wat87, Tho68]. Expressions [KP99]. Extended [DC15, Gum83, MT16, MT17, IBM88].
Extending [CT03, DLM+06, PTHH14, YTY00]. Extensible [FLD10, SMP16, MT17, IBM88].
extension [Fis01, SCP93]. EXTERIOR [FL13b]. External [AA18, FL13b].
extraction [WML02]. ExtraV [KY+17]. ExtraVirt [LRC05]. extreme [NOR15]. EXUS [SKC73]. eye [Guy14].

FACADE [GLV99]. FACILE [GMP89]. Facilitating [cCWS14, SWcCM12].
Facilities [Gum83, GH91a, MN91]. Facility [MLA83, SM90, SZ88]. facto [Rus08]. Factor [SC18].
Fad [Fra98]. Failure [Fu10, MSI+12, ZWH+17].
Failure-aware [Fu10, ZWH+17]. Failures [YYL+15, PBYH+12]. Fair [CL15, GLLJ16, HSN17a, TTH+19, RZ14].
FairGV [HSN17a]. Fairness [SKJ+17]. Falle [Mar98]. familiarized [Ame13]. Farms [Do11]. Fast [CS+13, CLW+14, Cox07, CHPY17, Hol95, HSN17a, Kon11, NOT+17, PEL11, ZWH+14, ZFY18, ZLW+19, KMMV14, KJLY15, MS09, SK+13b, SV15].

firmware [ABB+15, MSCP99]. First [ACM5d, EEE4b, LCB+11, MNS+14, ZR06, SS17, SHB+03]. First-Class [LCW+11, SS17]. Fit [NY+18]. Fixed [Lam75, Bod88]. flash [Pat12].
fly [URJ18]. folding [CPST14, Oi06]. Forecast [CWL12, TMLL14]. Forecasting [PCW+16, KSSG16]. Forensics [HN08, ZXY+15]. Formal [BDJdS02, BN75, CH78, Dom80b, JE12, Jen79, MP01, PG73, PG74, Qia99]. Formalism [UOKT84, Pul91]. Formalizing [HM01]. formation [HLW+13]. FORSETI [CSV15]. FORTH [Mar81, Kna93]. FORTRAN [IBM88, Int88]. Forum [CS76, DM76, Fra83, GHF83a, GHF83b, WNL+83, DHPW01, GPW03]. Found [Uh06, YK13]. found [Ano97b]. foundation [OJG91]. Foundations [Hog08, HMS17]. Four [QNC07]. Fourth [Ano03b, MS91b]. Fourth-Generation [Ano03b]. FPGA [GP13]. Frame [WH99]. Framework [DY17, GH91b, JXL+12, KCWH14, KAJW93, LWLL10, MGL+17, PXG+17, PST+15, Szw+16, TMV12, XWH+16, ZFL15, Ame13, AC16, BB15, BDE+03, CD14, FPGK18, Fre05, JSK+13, Kao97, Kao17, KKM+13, KJJ+16, LLE17, NB11, PV06, RHC17, RSC+15, SJR+13, XWH+16, Ame13, AC16, BB15, BDE+03, CD14, FPGK18, Fre05, JSK+13, Kao97, Kao17, KKM+13, KJJ+16, LLE17, NB11, PV06, RHC17, RSC+15, SJR+13, XWH+16, Ame13, AC16, BB15, BDE+03, CD14, FPGK18, Fre05, JSK+13, Kao97, Kao17, KKM+13, KJJ+16, LLE17, NB11, PV06, RHC17, RSC+15, SJR+13, XWH+16, Ame13, AC16, BB15, BDE+03, CD14, FPGK18, Fre05, JSK+13, Kao97, Kao17, KKM+13, KJJ+16, LLE17, NB11, PV06, RHC17, RSC+15, SJR+13, XWH+16, Ame13, AC16, BB15, BDE+03, CD14, FPGK18, Fre05, JSK+13, Kao97, Kao17, KKM+13, KJJ+16, LLE17, NB11, PV06, RHC17, RSC+15, SJR+13, XWH+16, Ame13, AC16, BB15, BDE+03, CD14, FPGK18, Fre05, JSK+13, Kao97, Kao17, KKM+13, KJJ+16, LLE17, NB11, PV06, RHC17, RSC+15, SJR+13, XWH+16, Ame13, AC16, BB15, BDE+03, CD14, FPGK18, Fre05, JSK+13, Kao97, Kao17, KKM+13, KJJ+16, LLE17, NB11, PV06, RHC17, RSC+15, SJR+13, XWH+16, Ame13, AC16, BB15, BDE+03, CD14, FPGK18, Fre05, JSK+13, Kao97, Kao17, KKM+13, KJJ+16, LLE17, NB11, PV06, RHC17, RSC+15, SJR+13, XWH+16]. Frameworks [ZLW18, AGH+15a, HZZ+14]. France [ACM90, ACM05b, Jou85, JPTE94]. Francisco [ACM06a, USE02]. Free [Ano03a, BRX13]. FreeDOS [WF03]. French [Apr09]. frequency [Kam13, AMAB17]. Friendly [ZBG+05]. Frontier [Ram93]. Frontier [Sar16]. Frontiers [ACM06e, M+06]. Full [HHC+16, HSL17, MCE+02, Sch13b, SWF16, LLY+18, YKS16]. Full-System [SWF16]. Function [EMAL17, FLZ17, HSL17, JW17, LLW+16, KRRK17, YWL+18, ZKH17, ALW15, BCC+15, MCJ19]. Functional [ACM90, Dan86, GMP89, Ame13, Wak99, Jou85]. Functions [DL89, KLLT18, TF16, FJKK17, HHSG18, KWz+19, LRP+19, QZDJ16, YCL+19, GHM+18]. funfte [Muh75]. funnel [LMV12]. Fusion [Kis08]. Future [Her06, KOS8b, RG05, Sup04, AH12, Bau05, NIA18, Ros14, Str13, Yur02, SIJPP11]. Fuzzing [KLF+15]. Fuzzy [Hu90, LZ15, FLM+08, SENS16]. FWNs [SIJPP11].
BHDS09, CBGM12, FP14, HH13, HP77, KW13, KJM+07, Oi05, Oi06, Oi08, PGLG12, PBB13, RPE12, SE12, TO96, WZW+11, XZ11, YJZY12, ZDK+19. Hardware-Accelerated [SWF16]. Hardware-Assisted [JSHM15, JAS+15, RTL+18, AujH12]. Hardware-Based [PvDS08, KJM+07], hardware-translation [Oi06, Oi08]. Hardware/Software [KAJW93, LH16, HH13, HP77, WZW+11].


[IEE01]. HotOS-VIII [IEE01]. Hotplug [LJL+15]. HotSpot
[Sch13a, Arm98, BOF17, HHV+02]. HotSpot™ [RB01]. Houston
[ACM06d]. HP [BKMM87, MSCK92]. HP
[RI+06, HCJ07, JQWG15, PNT12, PCB+18]. HPC-GTP [RI+06].
HPC.NET [Vog03]. HPCC [DF96]. HPCS'06 [IEE06a]. HSPT
[WLW+15]. HSSM [Wel02]. Huge [Got07, KYP+17]. HVM [LTK17].
HVMs [CBZ+16]. HW [Wu13]. HW/SW [Wu13]. Hybrid
[GSW+17, HD16, KCWH14, PST+15, RSNK17, VVC+17, WGLL13, FX06,
KS18, LQW+12, RJK+17, YWG13, ZGW+06, Gua14]. Hyper
[Gal09b, Lar09, LC09a, TZY19, WXW15, Apr09, Car06, KV09, KSS09,
KS10, Lar09, LC09b, LC09a, MG08, MG09, SRS09]. Hyper-space [WXW15].
Hyper-V [Gal09b, Lar09, LC09a, Apr09, Car06, KV09, KSS09, KS10,
Lar09, LC09b, LC09a, MG08, MG09, SRS09]. Hypercubes [HO92].
HyperMAMBO [dGG+17]. HyperMAMBO-X64 [dGG+17].
Hypervisor [BAL15, CL16a, HWCH16, JSHM15, JAS+15, KYP+17,
NOT+17, SJV+05, SKYK16, WJ10, WHD+16, XD16, XD17, ABG14,
BBD+10, Chi08, DN14, MSZ09, RSLAGCLB16, Ste14, SL12, KSS09, KS10].
Hypervisor-as-a-Service [WHD+16]. Hypervisor-Based [BAL15].
hypervisor-secure [SL12]. Hypervisors [Rev11, SPF+07]. HYVI [Gua14].

I-Caching [MM93], I/O [Mü95]. I/O [RM03, AJM+06, AMA18, AD11,
ABG14, ABB+15, BMS16, BHEP14, CWH+16, CDD13, CRZH15, DCP+12,
DS09, GAG+12, HB12, KS08a, KMN+16, LLE17, LMR18, LHAP06, NSP16,
PST+15, Rus08, SBQZ14, SML01, TLeC13, VV08, WR12, ZSR+05]. I/Os
[OBSR16]. IA [Ano14b, De 06, Don06]. IA-32 [Ano14b]. IA-64
[De 06, Don06]. IaaS
[GLL16, GA18, HKM+18, KDB16, PPO14, RB17, ZLHD15, ZHW+17]. IAS
[XLL+14]. IBM
[ADG+92, A+04, ABDD+01, ABB+15, Ber86, B+05, Bri98, D+04, GBO87,
G+06, G+05, Kam75, MIS+05, My09, P+08, R+06, R+02, SZ88]. IBM/360
[Kam75]. ICE [Ano06a]. ICL [HP77, Kee77]. ICTree [FBZS12]. ID
[SJPP11]. ID/Locator [SIJPP11]. IDE [Ano03a]. idea [BBS06].
identification [BZD17]. Identifying [CL17a, MD12]. Idiom [KKM+13].
Idle [DEE+16, SBK15]. ie [MC93]. IEC
[Int05a, Int05b, Int06b, Int06c, Int06a]. IEEE
[ACM04b, ACM05c, ACM06a, IE90a, IE91, IE02, IE03, IE04].
IEEE/ACM [ACM04b, IE04]. Igniting [ACM03a]. II [Cre08a]. IJCAI
iluminating [BK14]. im [KGG00, Mar08, Zim05]. IMA [XHCL15]. Image
[AD11, CWH+16, EF94, NSJ12, IM93, KMG+18, XZZ+16, XWW+17,
ZXW16, ZFY18]. Image-Content-Aware [CWH+16]. Images
[Li14, GKP+19, XJWW15]. iMeter [YZL14]. iMIG [LZL+15].
immutable [SV15]. Impact [Ros06, BT15, WKJ17]. impacts [KWZ+19]. Impasse [APST05]. Imperative [LFBB94]. implement [Sig89]. Implementation [LtNW14, BBD+91, DAH+12, DJ77, DLS+01, Hal79, JR02, JI02, KR94, MD12, MN91, NsP16, Rev11, SGS92, SIR+17, SCD90, Sur01, TV092, TO96, TFeLcC15, UOKT84, WLW+15, War80, YLWH14, YCL+19, ZSXZ07, ZL18, AFT01, ANH00, Blu02, BT15, CKP78, DN14, DJ76, DCA04, IT86, JNR12, Lav10, Man18, MJ93, Sch09, SJW+13, SGGB99, SGGB00, Taf11, WW77, XCS+14, Lee86]. Implementations [HLP+16, SVB93, AEMWC+12, CSS+16]. Implementierung [Mar08]. Implementing [CTS+93, D+04, LFBB94, Tai98]. Implications [RM03, GTN+06, MT16, MT17, DLL+16, Pat12, RVJ+01]. Important [SC18, CK06b]. Improve [GKXK13, GBB+15, SAT09, YWGH13, YQZ14]. Improved [War80, BTLNBF+15]. improvement [YLH14]. Improving [AWR05, BHEP14, CFG+13, HXZ+16, HILW+13, JKB15, KL13, LCT+15, LBL16, Osk15, Rsc+15, RSLAGCLB16, TCP+17, WKL15, GV13, HC12, JYW+13, OL13, UTO13]. IMSA [Ano99b]. in-kernel [Uhl07]. In-Memory [TF16]. in-situ [CKRJ17]. In-VM [LWLL10]. included [Ano97a]. including [B+07, CGW07, WLW07]. Incorporating [GH91b]. Increasing [LWLL10]. Independent [DHPW01, KAH83, USE93, GPW03, PW03, PFH+16]. Index [Cox12]. indexed [JYW+13]. Indirect [TR82, CEG07, EG03, JYW+13, KJM+07]. individual [LWLL16]. induced [ZLZ+19a]. Inferno [WP97]. InfiniBand [PRS16, RS16]. influence [Mly09]. Information [CAF+91, IEE93a, Int05a, Int05b, Int06b, Int06c, Int06a, SS75, SS05, Ano93, LC09a, MD73, MD74, RRB17]. Informed [HKKW13]. Infragistics [Ano03b]. Infrastructure [ECM01, ECM02, ECM05, ECM06, Int05a, Int05b, Int06b, Int06c, Int06a, McC08, MJW+06, Nel04, NKK+06, OG16, PP16, XH16, AO16, AMA+14, AA18, BDS+09, Car14, Hal09, HH13, J+05, KSRL10, KR16, LLY+18, Low08, OL12, MR04, PW03, RSF03, Fro13]. infrastructures [FPGK18, LPBB+18]. Ingens [KYP+17]. inherently [TDG+18]. InkTag [HKD+13]. Innovation [ACM03a]. innovations [ABB+15]. input [Wal76]. insider [LC09a]. Insiderinformationen [LC09a]. insiders [KSS09, KS10]. Insights [Rev11]. Inspection [SK+17]. Installation [Bec09, Bor01, KGG00, Ldr09, Wf03, Zim05, Zim06, MIS+05]. Instance [EMAL17, KCKC15]. Instances [WUNK17, ZG13]. Instant [HPP15, Joo06]. Instruction [Oi06, HW15]. instructional [DSSP06, DTW07, WO75]. Instructions [Qia99]. Instrumentation [ZFL15, BZA12]. Instrumenting [MZG14]. Instruments [BPB86]. integer [YTY00]. integer-reference [YTY00]. integrated [CWG00, YZLQ14]. Integrating [JMSLM92, LTT92, LCL14, OMS16]. Integration [GMP89, Ame13]. integrierten [Deu08]. Integrity [CW03, DM75, (Fo71, (Fo78, QT06, WJ10, CS76, JXZ+10, XHCL15]. Intel [AJM+06, CMP+07, DLM+06, Don06, NSL+06, NKK+06, RSW+06, RI00.
UNR+05, Uhl06]. **Intelligence** [MR91, JNR12, MPA+18]. **Intelligent** [GH91b]. inteligente [PO09]. **IntelliJ** [Ano03a]. **intensive** [IKU15, VVB13]. **Inter**
[cCWS14, RLZ+16, BML+13, CBZ+16, SWcCM12, SBP+17, VOS12]. **Inter-Application** [cCWS14, SWcCM12]. **inter-cloud** [SBP+17]. **inter-connectivity** [VOS12]. **inter-domain** [BML+13]. **Inter-Virtual-Machine** [RLZ+16]. **inter-VM** [CBZ+16]. **interact** [EGD03]. **Interacting** [SK13a]. **Interactions** [cCWS14, SWcCM12]. **Interactive**
[Hir17, LD05, MLA83, SSG90, WLS+18, Ber86, HMS04, KKJL14]. **Interconnect** [RCM+12, SKJ+17]. **interdependencies** [LBF12]. **interdependencies** [LBF12]. **Interference** [NBH08, XLL+14, XLJ16, ZRD+15, HL13, gKEY13, SS13, VVB13]. **Interference-Aware** [XLL+14, XLJ16]. **Interferences** [ZRZY15]. **InterLISP** [II79]. **intermediate** [GLV99]. **internal** [SI81]. **International**
[ACM00, ACM05a, ACM05b, ACM05d, ACM06b, Ano99b, BW03, IEE84b, IEE85, IEE93a, IEE96b, IEE02, IEE03, IEE04, IEE06b, IEE06a, LCK11, MS91b, MR91, Ost94, SS05, Shr89, Tho93, TLC06, ACM06c, JPT94, M+06, HHH4]. **Internet** [Ano99b, CK06b, KGG00, APST05, Ano03a, CHCC07, CK06b, CK06c, CK06d, CK06g, CK06f]. **Internetprogramme** [CK06b]. **Internetprogrammen** [CK06e, CK06c, CK06d, CK06g, CK06f]. **Internship** [HMS17]. **Interoperability** [GSS+18, Men03]. **interoperable** [KKB14]. **interposed** [ZSR+05]. **Interpreter** [SMK02, Ber86, KMMV14]. **interpreter/graphic** [Ber86]. **interpreters** [EG01, CEG07, EGKP02, EG03, Ert05, ZLBF14, Ert03]. **Interpreting** [Han05]. **Interpretive** [AS76, OJG91]. interpretive-execution [OJG91]. **Interrupt** [CL16a, TFiLC15, AA18]. **interrupts** [AGH+16]. **Intranet** [Ano03a]. **Intrinsics** [PSBG11a, PSBG11b]. introduce [MS01]. **Introduction** [A+04, CK06a, CK06b, CK06c, FDF05, KS08b, Sch94b, Sch94a, Wun13]. introductory [BR01, Don88]. **Introspection** [CCML12, CLcC13, DGL+11, FL13a, NBH08, Pfo13, StdLB15, WWMG06, FL13b, HN08, HeC14]. **Introspection-based** [CLcC13]. intrusion [AMA+11, LMJ07, MA17]. intrusions [JKDC05]. intrusive [ZXY+15]. **Invariants** [PEC+14]. invited [Piz17]. invocation [Ven97c]. **IOMMU** [YWCF15]. **IoT** [ABB+19b, MPA+18, PFPJ18, ZY+18]. **IOV** [DYL+12, DCP+12, HB12, HD16, XD17, YWCF15]. **IP** [AM16, CF00, HWHW18, NTR18]. **Iron** [Ano05]. **IronGrid** [Ano03b]. irregular [AC16]. **ISA** [CWH+14, DZ02, WIW+15, WCC16b]. **Ischia** [ACM06c]. **ISCOPe** [ACM01b]. **ISDF** [M+06]. **ISDN** [KGG00]. **ISO** [Int05a, Int05b, Int06b, Int06c, Int06a]. **ISO/IEC**
[Int05a, Int05b, Int06b, Int06c, Int06a]. **Isolated** [Jen79]. **Isolation** [WZL15, ZTWM17, Cza00, GNDB16, MD73]. **ISPA** [M+06]. **ISPAN** [HHK94]. **ISSA** [Ost94]. **Issue** [KM13, TZB19, Yur02]. **Issues** [AFG+17, AD11, KS08a, PZH13, SEF+06, Tur84, AGH+15a, AEB19, BB08, PBB13]. **Italy** [BW03, M+06, ACM06e]. **Itanium** [Ano06a]. **Itanium-based** [Ano06a]. **iterators** [ZLBF14]. **IV** [Int06c]. **IVME** [Ert03]. **IX** [BPP+17, IE97].

**J** [AC98]. **J2EE** [JDJ+06]. **J9** [WKJ15]. **Jahrestagung** [MüH75]. **Jalapeño** [AAB+00]. **January** [ACM99, IEE93a, Shr89, USE01b]. **Japan** [HHK94]. **Java** [ACM98, ACM01b, Ano00, Ano01a, Ano01b, Ano02, Ano03a, Sch13a, USE01c, USE01d, USE02, Wol99, ADM98, Ame13, AT16, Ano97b, Ano97c, Ano97d, Ano03b, AFT01, ABC+07, AC98, ANH00, BDF+98, BHDS09, BD01, BP01, BP03, Bri98, BZD17, Caa00, CW03, CT03, CH08, Cia97, Coh97, CDG97, Cra98, Cza00, Dalxx, Dal97, DHPW01, DEK+00, Fra98, FK03, G+01, GGG03, GCARP+01, GPW03, GBCW00, HT98, Han05, HM01, HOKO14, HWB03, HB08, Ive03, JR02, Ju07, Kal97, KS13, LM99, LM00, LB98, LV99, LY79a, LY97b, LY99, LXxxa, LXxxb, LYBB13a, LYBB13b, LYBB14, LTK17, MSG01, MO98, Men03, MD97, MDxx, MLG+02, MB98, Mon01, NG13, O07, Oak14, Oi05, Oi06, Oi08]. **Java** [PTHH14, PRB07, PV06, Qia99, R01, RHR02, R+01, Req03, SMK02, SSL+14a, SD01, SE12, SH04, Sch13a, SSMGD10, Set13, SMSB11, SSB03, Shi03, SM01, SV12, Siv04, Smi97, SBB01, SBB14b, SHB+03, Sun95b, Sun95a, SUN97, JCV99, Sun99, STS+13, SM02, Sur01, Tai98, Tol98, TO96, UBF+98, UR15, Van98, Ven97a, Ven97c, Ven97d, Ven99a, Ven99b, VED06, VED07, VL00, WL96, WGF11, Wak99, WH99, Wes98, Wol99, Won97, WWMG06, YC98a, YC98b, YME05, YKM17, Yel99, YTT00, ZP14, ZS01, vLSM01, Ano97a]. **Java-based** [Ano96, FF96, HOKO14, KS13, YC98b]. **Java/CORBA** [GCARP+01]. **JavaCard** [BDJdS02]. **JavaScript** [AHK+15, CBLFD12]. **JavaScriptCore** [Piz17]. **Java** [LMG01, SMES01, CF00, RB01, vD00]. **Javvy** [GGG03]. **JCloudScale** [ZLHD15]. **JDM** [ZP14]. **JET** [MLG+02]. **JetBrains** [Ano03a]. **jetzt** [KGG00]. **Jikes** [AAB+05a]. **Jini** [JJ02]. **JiST** [BHvR05]. **JIT** [JK13, PFH+16, WK17]. **JIT-based** [PFH+16]. **JITs** [KRC14]. **JN** [Mon97]. **JnJVM** [TGCF08]. **Job** [MNT14]. **John** [IEE06a]. **Joint** [NTH+17, RJK+17, WZV+13]. **Jointly** [LWL16]. **Jon** [Ano97a]. **Jose** [Ano94a]. **journaling** [HC12]. **JP** [SSB+14a]. **JPDA** [Sun99]. **JPF** [WK17]. **JPR** [WK17]. **jRapture** [SCFP00]. **JS** [AHK+15]. **judgment** [CSV15]. **July** [IEE06b, SoF83]. **June** [ACM90, ACM01a, ACM01b, ACM05d, ACM06f, IEE85, USE85, USE86, USE01a, USE06]. **JVM** [Ano00, Ano01a, Ano01b, USE01c, USE01d, USE02, AC16, CSS+16, DBC+00, Guy14, R+13, RRB17, SV15, Sub08, Sub11, Ven99b, WK17]. **JVMP** [Sun95a]. **JVMs** [BK14].

L [Lot91]. lab [AL05, HMS04]. laboratories [DTW07]. Laboratory [Kim84, SVN*10]. Labs [See08b]. Lagrangian [GR15]. Lagrangian-based [GR15]. Lake [ACM03b]. Lambda [Wat86, Wat87]. land [Tsa14]. Landing [ACM03b]. Language [CDM*10, ECM01, ECM02, ECM05, ECM06, GSS+18, Hog08, Int05a, Int05b, Int06b, Int06a, Km83, Luc97, MR04, PW03, PFH+16, RSP03, SIR+17, SYB93, SUN97, WIDP12, Arv02, Ber86, BD01, BMER14, DH01, Don88, GLV99, Hog06, IT86, Jou07, KRCH14, Les74, MD12, MC93, PRB07, RJK16, RSW91, SKC73, SOM84, Ta11, Ta08, WCG14, WWH+17]. Language-independent [PFH+16]. language-level [WCG14]. Languages [BS90, Dan86, KP99, LFBB94, PTHH14, SSG90, Tld98, YKM17, ACM99, BDT13, Jou85, PMC05, PULO16, Sus76, TB14, Wel02, Wu13, YWF09].

LARD [WCG14]. Large [DK93, GKB95, PHL+12, RGS17, SLM89, XDLS15, ZSX07, ZLW+14, BLRC94, DK75, FPGK18, LD+11, Nie12, Req03, SZ13, SHTE11, YZSC17]. Large-Scale [PHL+12, SLM89, XDLS15, ZLW+14, SZ13, YZSC17]. Latency [ASSB18, BPB+17, BI17, MV16, RZPX19, IMK+13, ZSW+06]. Later [FS12]. layer [BTLNF+15, MA17, RSLACB16, ZFY18]. layered [PSC+07]. layering [YWF09]. LayerMover [ZFY18]. lazy [Wal99]. LDA* [YZSC17]. leadfoot [HHPV15]. lean [SV15, Ven96]. Learning [BRX13, AD18, GKT17, KRG+12, RGAT18, RT18]. legacy [LU04]. LegoSim [RMB02]. Lern [CK06q, CK06t, CK06r, CK06s]. Lern- [CK06q, CK06t, CK06r, CK06s]. Lernprogramme [CK06k, CK06m, CK06l, CK06n, CK06o]. Lernprogrammen [CK06k, CK06m, CK06l, CK06n, CK06o]. Lessons
Leuven [ACM04a]. Level
[AC16, cCWS14, Chu06, DMS02, KHW+16, NTR18, RB01, SV13, ZSR+05, ZQCZ16, AD18, AL05, BSM+12, But94, Cia07, EGD03, FLCB10, IM75, JHE14, LZW+17, SVN+10, SWcCM12, SSG90, WF07, WCG14, ZLZ13].

Leveraging
[LLF+18, LDL+08, Pfo13, RTL+18, WHD+09, ZL13, AJD09, ZBG+05]. Libraries [DK93, Int05b, Won97]. Library [Cro93, SJS+17, PBWH+12].

libvirt [Ano14c]. Life [ZR06]. Lifetime [WJ10]. Light [WWL+17, HB08]. Light-Weight [WWL+17, HB08]. Lightweight
[ABV12, CXLX15, Ran02, VN06, WJ10, YME05, vMAT14, AMA+11, CCL+17, DQR+13, RQD+17, SSU+12, TB14, XZ11]. Like
[Abr80, SSOT17]. LILA [Dan86]. Limbo [Luc97]. limited
[CH08]. Limits [WBB+16, vKF13]. line [SV17].

LINUX [KGG00, Ano06a, CK06a, CK06b, CK06g, CK06f, CK06i, CK06h, CK06j, CK06o, CK06p, G+06, Mar08, USE00a, WF03, ABB19a, Bau05, Bau06c, BHHL08, Ble10, Bor01, CK06a, CK06b, Com00, Com03, DN14, Dav04, Fab13, G+06, GNDB16, MZG14, NSHW10, NV05, P+08, Ros14, Spr06, Spr07, VBM12, Win13]. Linux-based [ABB19a]. Linux-Server [Mar08]. Linux/OSS [Ble10]. Liquid [Li14]. LISP [ACM90, CK87]. List [TT96].

List-based [TT96]. LIIT [Lam75]. little [Men03, YYPA01]. Live
[CCZ+06, Deu08, DK17, ECJ+16, JDW+14, KKLV16, LZL+15, LLL+11, SHW+15, SKI+17, XLL+14, XD16, XD17, ZRS+16, ZDLG17, ZXY+15, AS14, BAC15, BB08, FG115, HIL+10, HDG09, JKK+13, JGW+11, JGSE13, NIA18, PDC+12, SSI+13, SLA+16, SHTE11, TDG+06, WRSvdM11, WRS+15, ZLLLI13]. Live-Distribution [Deu08]. live-migration [JKK+13].

[LTE12]. Local [ADM98, Oi08, PCR89, HJ10, KMT14, Oi05]. Locality
[HSC15, SZ88]. Location-Independent [USE93]. Locator [SJJPP11]. lock [YTS14]. Logic
[DK93, Int05b, Won97]. Logical [RT93, Lio05, TT93]. Logically

Lookaside
[BPP+17, RZPX19, WCG14, ZHCB15, GE85, IMK+13, SJRS+13]. low-cost [SJRS+13]. Low-Latency [RZPX19, IMK+13]. Low-level
[WCG14]. Low-overhead [ZHC15]. Low-resolution [GE85]. LTTng
[WKK15]. Luminous [KNT02].
[USE06]. MAC [SJV+05]. MAC-Based [SJV+05]. Mach [USE91, MRGB91]. Machine [AGJS16, AS85a, ABCC66, ABV12, Ano00, Ano01a, Ano01b, Ano02, Ano04a, Ano04b, ILtWN14, AE01, Apr09, Arc07, AAK18, AGIS94, BW85, BFHW75, Bak83, Bal91, BDF+99, BN75, BWD+15, BHZ+16, CTS+93, CW03, CFH+79, CFH+80, Car13, CF00, CGC16, CRZH15, Cox09, CWL+15, CHPY17, CYX+17, Dalxx, Dal97, DHPW01, Dan86, DF96, DGLZ+11, Dom80a, DJ77, EG01, Fis01, FPS+02, (Fo71, (Fo78, FL13a, GIK+99, Gei02, Gen86, GLBJ18, HHV+02, HHW10, Hal79, HH79, HKM+18, Hir17, HKKW13, Ibs84a, JHS12, JMK+92, JQWG15, JN15, JADAD06a, KC16, KS08a, KMK16, KNT02, KF91, Ken80, KDB16, Kim84, KA83, KGZ+04, KLF+15, LCBW+11, LMM18, Lan87, Law00, LW11, LW98, LTE12, Li14, LVM16, LGJ+18, LL79, LJL+11, LPB17, LFBB94, Loy92, LXM+16, Mac79, MRGB91, Man16, MS70, MD97, MDxx, MDGS98, MKKE12, II79, NBH08, NBK16, NGM15, Nel04, NSJ12, PPT97, PX+17, Pf013, PCC+16, PK75a, Pro00, Qia99, QT06, RG17, RLZ+16, Ren78, RI00, RSN+18, RT93, Ros99, RG05, Ibs84a, SL14, Sun88, Sch94b, Sch94a, SSB03, SCP93, SG09, SHZ+14, SHB+03, SVL01, Sun95b, Sun95a, SUN97, JCV99, TT96, TMV12, TY14, USE01c, USE01d, USE02, VTW16, Ven97a, VL00, WL96, WR12, Wk99, WH99, WB81, WWL+17, We94, WC05, WTD+09, WP97, XWJX15, XL16, YY+17, YP15, ZLS+14, ZRS+16, ZL+16, ZLS+19b, ZZF06, ZWL+18, ZHL16, ZJXL11, ZTWM17, Zyt94a, Zyt94b, dSdF16, AD18, Abr82, AS85b, AGSS10, AGH+15b, AGH+15a, AAB+00, AC95, AMG15, Ano94, Ano96, ANH00, AMA+11, BDF+03, BBTK+17, Beg12, BPC94, BCM90, Bir94, BL92, BDF03, Bri98, CARB10, CL14, CD14, Car14, CEG07, Cav93, CFVP12, CS76, CHCC07, CBLF12, CK06a, CK06c, Clo85, CFP99, CVG10, dCCFD915, CG00, CD01, DH10, DSC+08, DP11, DM93, DBC+00, Don87, DJ76, DXM+17, EGK02, EG03, FLL+13, FM90, FSFP19, FMI16, FDF06, FLF+08, FC05, Fre05, GGO+13, GTGB14, GCAPEC+01, GPW03, GR80, GBCW00, GA18, HJ10, HUL06, HK70, HC14, HPHS04, HSC15, IBM85, IBM88, Int88, IBM94, IBM96, IKU15, JKK+13, JNR12, JGW+11, JADAD06b, Kalk97, KOY05, KS13, KSO+15, KS18, KTB17, kKEY13, KSC14, KJLY15, KC16, KMG+18, KFF12, KOU11, KCV11, KRG+12, Lam75, LBZ+11, Les74, LC02, LM99, LZW15, LBL16, LWL16, LYY+18, LWL18, LIA05]. Machine [AP18, ANH00, AMA+11, BDF+03, BBTK+17, Beg12, BPC94, BCM90, Bir94, Blu02, BDM06, BFC02, Bri98, CAR10, CL14, CD14, Car14, CEG07, Cav93, CFVP12, CS76, CHCC07, CBLF12, CK06a, CK06c, Clo85, CFP99, CVG10, dCCFD915, CG00, CD01, DH10, DSC+08, DP11, DM93, DBC+00, Don87, DJ76, DXM+17, EGK02, EG03, FLL+13, FM90, FSFP19, FMI16, FDF06, FLF+08, FC05, Fre05, GGO+13, GTGB14, GCAPEC+01, GPW03, GR80, GBCW00, GA18, HJ10, HUL06, HK70, HC14, HPHS04, HSC15, IBM85, IBM88, Int88, IBM94, IBM96, IKU15, JKK+13, JNR12, JGW+11, JADAD06b, Kalk97, KOY05, KS13, KSO+15, KS18, KTB17, kKEY13, KSC14, KJLY15, KC16, KMG+18, KFF12, KOU11, KCV11, KRG+12, Lam75, LBZ+11, Les74, LC02, LM99, LZW15, LBL16, LWL16, LYY+18, LWL18, LIA05].
Vag10, Van98, Ven96, Ven97b, Ven97c, Ven97d, Ven99b, VVB13, WGF11, WKT08, WRX11, WZV+13, WKJ15, WCY+17, Web10, WLL+13, WW77, Won97, XHL+13, XCJ+14, XJKWW15, XZZ+16, YME05, YZW+13, YLH14, YLH14, YPLL17, YLCH17, YBZ+15, YLK+10, Ye99, YRJ18, YGN+06, YQZ14, YTY00, ZG13, ZWX16, ZYZ+18, ZL15, ZLH+15, ZHHC17].

**machine** [ZFy18, ZWC+19, ZLZ+19a, ZBP07, ZLL+16, ZL13, ZLLL13, ZWH+17, ZLZC+18, ZYL+18, ZWC+14, dSOK17, AEM+14, AAB+05a, Ano75b, Ano97c, Ano97d, AC98, BD01, BP01, BP03, BZD17, Caa00, CCWY05, CK87, Cla97, Coh97, CDG97, Cra98, Cza00, DCA04, DLS+01, Eng99, FS11, FFB+00, Fra98, FK03, Fuj91, GKP+19, GGG+03, HT98, HM01, HWB03, HB08, Ivo03, JR02, JDJ+06, JJ02, Jou07, KM13, LGM00, LGM01, LB98, LV99, LY97a, LY99, LYBB13a, LYBB13b, LTK17, Men03, MB98, Mon97, MP01, OT97, Oi05, Oi06, PTH14, PR07, Ran02, RB01, SM02, SSB+14a, SH04, Sch13a, SMES01, Set13, SMSB11, Shi03, SG12, Sim92, Siv04, SSB01, SS14b, SM02, Sur01, Tai98, Tol98, TO96, TR88, UR15, Ven99a, Wel02, Wol99, WWMG06, vD00, Ano97a].

**Machine-Based** [LW11, WB81, CGV10, WKT08, YZW+13].

**Machines** [Ano75, ASSB18, BMS16, BP99, BD17, BDJdS02, BSSS14, Bee05, BB13, BRX13, CL17a, CWL12, CCML12, CWS12, CSS+13, CLI6a, CCO+05, CH78, CHLY18, CDN02, DSM14, DEK+03, Den01, DK17, DMR10, DKW15, Do11, EGR15, EGSJ+15, Ert03, EDS+15, Ga175, G+01, GTS+15, Gum83, HKLM17, HB17, HS06, HPP+15, Ian14, JE12, Jen79, JXL+12, JAS15, JKJ+10, KCWH14, KJL11, KP15, KAHH+S, LMR18, LZL+15, LYY+17, LD05, LHAP06, LW12, LJJ+15, LLZ18, Ma179, M15a, MD12, MGL+17, MM94, PSBG11a, PS16, Rev11, Ros04, SD01, SCCL12, SV13, SN05a, SN05b, Sta97, SKI+17, Sup04, TTH+19, TV12, UT87, VOG03, WLV+15, WGL13, WZL15, WLLZ16, XSC13, XLL+14, ZRD+15, vLSM01, Agr99, ABB19a, AAB+03, ADA+19, AGH+16, AT16, AAM+16, AMAB17, AS14, BAC15, Bac11, Bag76, BML+13, BDF+98, BHvR05, Bel06, BB12].

**machines** [BB15, BBM09, BBS06, BB95, CL17b, CGM17, CCL+17, CH08, Cra05, Cra06, CW0+06, CLL+13, DDS+94, DC15, DEG+17, DQ1W15, DSS11, DCMW17, EGD03, Ert05, EL98, EMS15, FBZS12, Fit14, FHL+96, FGLI15, FX06, Fu10, GI12, GVI13, Gol73, GLV+10, HKS19, HM18, HMM17, HZI+14, HDG09, Ho95, JES+15, JW+15, JD+14, JG13, JSSG16, KRC14, KB11b, KR16, LM07, LZZ+16, LLF+18, LJJ12, LQW+12, LC13, LZZ+14, LSS04, Man15b, Mat09, MG13, MRC17, hTMAC+08, NK10, NOR15, PFH+16, PSBG11b, PMC05, PYB+08, PRS16, PV08, RK16, RH17, RHR02, RT18, SJ1b, SS13, SSEN+16, SNV10, Sch09, SNN12, SJJ+12, SJW+13, SSL+13, Ste14, Str13, SK13c, SLA+16, SHTE11, Syr07, TDK17, TGC10, TMMVL12, TDG+06, TtLcC13, VT14, VED07, WQG15, WXZ+17, WDT18, WSO6, WSVY09, WRSvD11, WRS+15, XHCL15, WXZ+17, XTB17].

**machines** [YC98b, YWFG09, YWGH13, ZBG+05, ZWHC17, ZWL09, AD198, BHD09, CT03, Cla97, MLG+02, PEC+14, SM01, UBF+98, VED06, YC98a, ZS01].
Mixed-Criticality [WLMD16]. Mixing [LD05], MLN [Beg12]. MO
[ACM97]. Mobile [CPKL17, CPS17, CWH+16, LH16, LYS+18, MV16,
RSN+18, SGB+16, USE93, WVT+17, BD11, BBD+10, CM18, FC98,
HLW+10, IJK+06, ISE08, LLLE17, SASG13, ZLZ+19a]. mobility
[FX04, SBP+17, ZLZ+19a]. mobility-induced [ZLZ+19a]. Mode
[Da04, CWH+14, Co99]. MODEF [SMO84]. Model
[BRX13, CHW12, HIK+18, KKT17, KF91, KAZ+14, MV16, MP01, NL04,
NSJ12, XDSL15, YLH17, ZDL+17, Bar78, BCM90, Br94, CKP+93, Fr05,
Re03, SS13, W075, YZLQ14, ZBG+05]. Model-Driven [NSJ12].
Model-Free [BRX13]. Modeling [ACM81, CH78, IN87, KRG+12, LDL14,
TIIN09, WLS+18, BB95, FX06, gKEY13, SK13c, TLX17, YZSC17].
Modelling [DPBK16]. Models [DSM14, HWB03, Man15a, RSW+06, SL16,
ADG+92, HCJ07, Lia05, RO16, VVB13, WDT18, Ble89].
Modem [Ano03a]. Modern [EG01, FKZ17, GG11, FIF+15, KB17, ZDK+19].
Modular [AvMT11, DCA04, FC98, LH13, TO91]. Modularity
[SVB93, DNR06]. Modulation [WUK+18]. möglichen [Hin08]. moldable
[HZZ+14]. Molecular [YWCF15]. monad [Dan12]. Monitor
[LXM+16, QTO6, RN78, RL00, RT93, Ros99, SVL01, AGSS10, AL06,
AMA+11, Cof99, KOY05, Kou11, SJJ13, SU+12, TT93, XZ11, ZY+18].
motion-based [AMA+11]. Monitoring
[BAL15, CCML12, DLX+17, LZW+17, WLLZ16, ZL16, ZL18, ZXY+15,
ACT94, CL14, JXZ+10, JADAD06b, YCL+19]. Monitors [JHS12, KS08a,
FK91, RG05, WCGS05, BDF+03, FLM+08, HUL06, HPHS04, YME05].
Monterey [ACM05a, Ano01b, USE91, USE01c]. Mori [CPST15]. Mortar
[HUWH14]. most [CK06b]. motion [Lia05]. Motorola [An03a, MM84].
move [GKS13]. Moving [Crel06, Cre10a]. MPSoC [BHI15]. MPSoCs
[OV1+12]. MS [Tho08]. MU5 [MDFS72]. Multi
[ABV12, AP18, CLG+10, DY17, DLS+01, GSS+18, GLBJ18, HMH17, HC17,
HPcC04, LLS14, MD12, MM94, PXG+17, PNT12, RTL+18, SL14, TTH+19,
WLL+13, ZRZY15, AD18, AL05, ATS16, Bor07, DEG+17, GQG+13,
GKP+19, JH14, KMT14, LYYY18, RPE12, SE12, SI+16, SWW+18,
WDCL08, XZ11, YKS16, YTS14, ZNSL14, ZL+16, JD+06, NMS+14].
Multi-Agent [PGX+17, ABV12]. Multi-Capacity [HM17].
Multi-Channel [TTH+19]. multi-cloud [DEG+17]. Multi-Core
[RTL+18, PNT12, YTS14]. multi-course [AL05]. multi-criteria [ATS16].
Multi-dimensional [HPcC04]. Multi-Dispatch [DLS+01]. Multi-GPU
[NMS+14]. Multi-granularity [LS14]. Multi-Language [GSS+18, MD12].
multi-level [AD18, JHE14]. Multi-Objective
[GLBJ18, AP18, SL14, GQQ+13, GKP+19, ZL+16]. multi-platform
multi-server [RPE12]. multi-source [SI+16]. Multi-stage [CLG+10].
multi-start [KMT14]. Multi-tasking [JD+06]. Multi-Tenancy [DY17].
Multi-tenant [ZRZY15, SWW+18, YKS16]. Multi-threaded [HC17, SE12].
multi-tier [WDCL08, ZNSL14]. multi-user [Bor07]. MultiCache [NsP16].
Multicore [FRD+08, HHW10, Ian14, Man16, SE12, SSMGD10, SJJ+12, 
Sub08, WCC+16a, WCS09, WJGA12, YQZ14]. Multicore-Aware [Man16]. 
Multigrid [AGIS94]. multihost [Bar06]. MultiLanes [KHW+16]. 
Multilayer [VLZL16]. Multilayered [NsP16]. Multimedia 
[Ano99b, CAF+91, FLZ17, ZKWH17, BTLNBF+15]. multiple 
[CSV15, Com00, GMR93, IKU15, SLA+16, TMMVL12, TtLcC13]. 
Multiprocessing [DBO+18, TLD+89]. Multiprocessor 
[AGLM91, Dun86, KKJL14, WXZ+17, Bro89]. Multiprocessors 
[Bad87, Cro93, SLM89, TO91, WWS89, AGIS94]. multiprogramming 
[Abr82]. multitarget [Bar06]. Multitasking 
[CD01, IBM96, TLD+89]. multitasking/multiprocessing 
[TLD+89]. multitenant [LZW+15]. Multithreading 
[LRZ16, ABB+15, PV06]. musical [BB08]. mutual 
[SGS92]. MVM [GMR93]. MVP [Lot91]. MySQL 
[Wun13].

O [RM03, AJM+06, AMA18, AD11, ABG14, ABB+15, BMS16, BHEP14, CWH+16, CDD13, CIZH15, DCF+12, DS09, GAH+12, HB12, KS08a, KMN+16, LLLE17, LMR18, LHAP06, NSP16, PST+15, Rzu08, SBQZ14, SVL01, TtLeC13, VW08, WR12, ZSR+05]. Oak [SVN+10]. Oakland [IEE84a, IEE90a, IEE91]. OAMulator [MS01]. OASIS [UBL+82]. OB [XCH15]. Oberon [WF03]. Object [Bad82, BBD+91, BP01, CAF+91, Lw88, PTHH14, PMC05, San88, STFH15, USE99, USE01b, BPPB6, BP03, BZD17, DNR06, GSN93, IT86, LM99, VED07, WML02]. Object-Based [BAD82]. Object-Oriented [BBD+91, USE99, USE01b, PTHH14, PMC05, San88, BPPB6, GSN93, IT86, WML02]. Objective [GLBJ18, LPB17, AP18, GGGQ+13, GKP+19, SL14, ZLL+16]. Objects [Qia99, ABB+19b, SK13a]. Observation [NBH08, SCFP00]. observation-based [SCFP00]. occupied [SZ13]. OCTET [BKC+13]. October [ACM03b, Ano99b, Ano06a, Boa90, IEE03, Tho93, USE00a, Vra05]. off [CGV10]. off-board [CGV10]. Offensive [BDJDS02]. Offers [Ano03a, Got07]. office [BRdM10, Ano03b]. Offline [TRG13, SHLJ13]. Offloading [CL16a, GKK13]. offs [SdLB15]. OGSA [AKK+07]. OGSA-DAI [AKK+07]. Oktober [Miih75]. Old [Got07]. Older [SHB+03]. Older-first [SHB+03]. Oleco [Joo06]. On-Demand [SEF+06, ZZF06, DEG+17, JCSS13]. on-stack [LH13]. On-the-fly [URJ18]. One [Cre09, HPHV17, NKY+18, JK15, Ste14]. one-shot [JK15]. Online
[FL13a, GR15, HKLM17, HKKW13, JWL+18, Joo06, KTB17, NG13, RG17, SZW+16, SIK+16, SXCL14, ZHW+17, ZWC+14, BB12, LSS04, NK10, ZWX16]. **Online-Handbuch** [Joo06]. **Ontario** [ACM06f, Sof83]. onto [AO16, Bak83, BS90, PS16]. Open [AFG+17, SJV+05, AGH+15a, AAB+05a, FP14, TSP17]. **Open-Source** [SJV+05, AAB+05a]. **OpenCL** [KJJ+16, TY14]. **OpenFlow** [YKS16]. **OpenNebula** [KMT14]. **OpenOffice** [Joo06]. **OpenQRM** [Kar07]. **OpenStack** [BB15]. **OpenSUSE** [CK06g, CK06f, CK06o, CK06p, CK06p]. Operating [ACM75, ACM03b, BPP+17, BYBYT16, CD12, Das91, HXZ+16, IEE01, J+05, MKKE12, MM94, RT93, SLM89, THB06, Vra05, ACT94, CCZ+06, CGL+08a, CGL+08b, CGL+08c, CK06a, CK06b, CK06e, CKP78, Com00, CLDA07, Dav04, Don87, HKD+13, KSLA08, Kou11, MW18, MDFS72, NV05, Ros06, SPF+07, SS72, TT93, Vac06, Van06, WR07, WWT89, YK13, Mat10]. **Operation** [ZR06]. **Operational** [Dan12, Siv04]. **Operations** [OLZ16, MPF+06]. **operator** [GHM+18]. **Opportunistic** [KMK16, OMB+15]. **Optimal** [BP99, BB12, DEG+17, HM18, HJG18, WHC16]. optimale [Sch13a]. **Optimisation** [YWGH13, GKP+19]. **Optimises** [War80]. **Optimization** [Pon19, WGF11]. Optimization [CPS17, CWH+16, DKB18, GLBJ18, KC16, LW11, Man15a, MJW+14, NIA18, SM06, SHZ+14, WK90, YKM17, YWF09, GCARPC+01, HLW+13, JK13, KS13, KS18, LIWW18, MS17, dOL12, ZLL+16, ZYLY18]. **Optimization-Based** [SHZ+14]. **Optimizations** [HB12, NBK16, RLZ+16, CPST15, NG13, PGL12]. **Optimize** [OLZ16, LDL+08]. **Optimized** [CGC16, KCV11, LWL16, TMMVL12]. **Optimizing** [CEG07, dCCDFO15, EG03, GKT17, HHC+16, JGW+11, KRS+17, LQV+12, LL14, LXM+16, MCZ06, SMK02, SV15, ZLL13, ZJXL11, FMIF18, HSC15, ZLBF14, FLL+13]. **Options** [HDM08]. **Oracle** [VSC+10]. **orbit** [SSN94]. **Order** [BW03, BFC02]. **Ordering** [HMH17]. **ORE** [OMB+15]. **Oregone** [IEE93b, USE85]. **O’Reilly** [Ano97a]. Organization [BPC94, Kam83, RSGG15, Juo07, Skr01]. **Organizational** [PXG+17]. **organizer** [MS00, SMES01]. **organizing** [OK90]. **Orient** [IT86]. **Oriented** [BBB+91, BWD+15, BS90, CAF+91, DY17, LVM16, RSGG15, SYB12, USE99, USE01b, Beg12, BBP86, Fro13, GSN93, IIK+06, IT86, PTHH14, PMC05, PPO14, San88, WML02]. **Origin** [Den01]. **Original** [BDR+12]. **Orthogonally** [LMG01, LMG00]. **OS-Level** [cCWS14, KHW+16, SWCM12]. **OS/2** [Bri98]. **OS/390** [DBC+00]. **OS6** [SS72]. **OSCAR** [VS06]. **OSS** [Ble10]. **Other** [Den01, Mac79, KS13, Mat10]. **OtOt** [DKF94]. **Ottawa** [ACM06f]. **Out-of-Band** [ZSXZ07, PBYH+08]. **Out-of-order** [BFC02]. **Out-of-Process** [RB01]. **out-of-the-box** [XHCL15]. **Out-of-VM** [ZFL15]. **Outline** [Kee77]. **Outsourced** [YDW18, CMP+18, QZDJ16]. outsourcing [SASG13]. **Over-Provisioning** [SC18]. **overbooked** [LPBB+18]. **Overcoming** [APST05].
Overcommitment [GBK15]. Overcommitted
[CWS12, W06, ZHHC17]. overhead
[LPD+11, LBL16, ZHCB15, ZLZ+19a]. overheads [MST+05]. overload
[LYY18]. Overloaded [BB13]. Overshadow
[CGL+08a, CGL+08b, CGL+08c]. Overview
[Lau87, MLG+02, ALW15, BB08, MNA16]. oVirt [Ano14d]. OVM [BFC02].

P [Dom80b, SSU+12, Syr07]. P-Code [Dom80b]. P.R.O.S.E [Van06]. P2P
[Sta07]. p5 [A+04, B+05, G+05]. PA [ACM04b, ACM96, IEE04]. PaaS
[ZLHD15]. Package [PBR+90]. Packages [JMSLM92, LTT92]. Packet
[VLZL16, LRP+19, Ste14]. Packeteer [Ano03a]. Packing
[GR15, RG17, XDL15, SZ13]. PACT’06 [ACM06b]. Page
[AW17, CWL+15, CHLY18, KYP+17, LH16, LZW+17, MT16, MT17,
WL+15, AJH12, BSSM08, CWC+14, WTLS+09]. Page-Aware
[CWL+15, CHLY18]. Page-level [LZW+17]. Pages
[GBK15, Ano97a, JDW+14]. Paging [BGM70, GHS17, GHS16, TKG89].
Pagoda [YSS+17]. Palm [MS00, SMES01]. Polo [ACM01b]. Panel
[G+01, UBF+98, BDF+98]. Papers [DC15, KM13, ACM90, G+88].
PAPMESC [SDD+16]. para [LC13]. para-virtualized [LC13]. paradigm
[BD11]. PARALISP [CRZ83]. Parallax [ITMAC+08]. Parallel
[ACM06b, Arm78, BP99, EGR15, Fis01, HD16, HHH94, IEE93a, IM93,
JN15, KNT02, Loy92, LCFL12, MM92, MM93, MRG17, MM94, NOT+17,
PY93, SSN94, TVO92, WCC16b, Wat86, Wat87, Wel94, YP15, ZRZY15,
AS14, AGIS94, BCP94, Bir94, BL90, BFC02, BB95, CARB10, Cav93,
CDM+10, dCCDFJ015, CRG16, CKP+93, DKF94, DDS+94, DM93, EF94,
FM90, GSN93, Hol95, JGA+88, KJLY15, Kra90, Les74, LG93, McK11, MN91,
NOR15, NG13, Pou90, RH17, RSW91, She91, SLO0, Taf11, WK08, YC98b,
Ble89, JPT94, YC98a]. Parallelism [HC18, YTS14]. parallelization
[vKF13]. Parallelizing [SSL+13]. Parallels [Tho08]. parametric
Paravirtual [KMN+16]. Paravirtualization [AD11, SBQZ14]. ParCo93
[JPTE94]. PARD [MSS+15]. ParDMCom [M+06]. PAROS [MM94].
PARS [CWL+15]. Parser [UOKT84]. Part
[Cre09, HO92, RGSJ17, Sch94b, Sch94a, Cre08a, SS72, Zyt94a, Zyt94b].
Part-of-Memory [RGSJ17]. Partial [BWD+15, WGF11, WWH+17].
partiality [Dan12]. partially [HH13]. Partition [Int06c, LLS+08].
Partition-based [LLS+08]. partitioned [Van06]. Partitioning
[Bad87, Ian14]. Partitions [Int06b, SJRS+13]. Party [CRZH15]. Pascal
[Har77, GBO87], pass [PDC+12, YLWH14]. pass-through
[PDC+12, YLWH14, MLA83]. passé [BC10]. Passing
[Fra98, DM93, TO91, UR15, XH90]. Passthrough [XD16, XD17]. Password
[CD12]. Past [Sup04, BS96, JKD05]. PASTE’01 [ACM01a]. patches
[Ano07]. path [AM16]. PATHWORKS [Nou92]. Pattern
[CFM17, HPP15, YDW18, ZDLG17, OK90]. Pattern-Aware [HPP15].
Patterns [CL17a, ESY+17, PMC05]. Paxos [HMS17]. PC
[ACM04a, GBO87, Mon97]. PCI [YLWH14]. PCs [Ros99]. PDB [HHH04].
PDCE [M+06]. PDP [GBO87, Ham76, PK75a, She02]. PDP-11
[GBO87, Ham76, PK75a]. PDP-11/40 [GBO87]. PDP-8 [She02]. PDS
[AAB+05b]. Peak [LTE12]. PEMU [ZFL15]. penguin
[Bau05, Bau06b, Bau06a, Fab13]. Pentium [RI00]. Perceiving [XWH16].
[ACM98, ACM04b, Ano03b, AD11, Bad82, BL90, Cal75, CFH+79, CFH+80,
CGS06, CHW12, De 06, DSS11, EDS+15, GE85, Gu14, GKB15, HSK17,
HB12, IIE96b, IE06a, In87, JR02, JK13, KCWH14, KS08a, KMM13, KP15,
KD78, LZ15, LCK11, LMR18, LMG01, LCT+15, LHP06, LTZ+14,
MJW+14, MT16, MLG+02, MBK+92, NMS+14, Oak14, OBR16,
PZW+07, Pat12, PNT12, Raj79, RCM+12, RP07, SHW+15, SD01, SCSL12,
SDD+16, SM92, SM02, THC+14, URJ18, UT87, Vogo3, WKT08, WCC16b,
XLJ16, YC98a, YWCF15, ZRZ15, ZWL+18, ZJX11, dGG+17, AKK+07,
AHH+03, AGH+16, Ano96, AWR05, BML+13, BB12, BMB09, BMER14,
CBGM12, CBZ+16, CMP+07, DQR+13, DLL+16, DSSP06, DYL+12, EMS15,
Fit14, FF96, GP13, G+01, GVI13, G+05, GAH+12, Han16, HHS18, Hog02,
HC12, HLL13, KJJ14, KL13, Kout11, KCV11]. performance
[LBZ+11, LLL17, LM99, LMG00, LL14, MCC18, MA10, MST+05,
MKX06, M+06, MMG+18, MW05, NB11, OL13, PV08, RHR02, RQD+17,
Rix08, SENS16, SE12, SB10, SPF+07, THN09, VV08, WWH+17, YC98b,
YZLQ14, YQZ14, ZYS+18, ZSR+05, ZSW+06, ZLCZ18].
Performance-Based [CHW12]. Performance-directed [RP07].
Performance-Guaranteed [ZWL+18]. performing [BB08, GBCW00].
performs [Ven97d]. period [B+07]. Periodic [LD05]. periodical [YQZ14].
Periods [RB17]. Persistence [SCD90]. Persistent
[GH91b, Low88, SMES01, LM99, LMG00, MS00, LMG01]. Personal
[Hir92, LBP+07]. Perspective
[FLZ17, Han16, RSGG15, FP14, LDGT+12, Wal10]. perspectives [MA10].
Pervasive [HHH04, BTLNB+15, HHO5]. Petascale [Gei02]. Pete
[Gal09a, Gal09b, Gal11]. PEVM [LMG00, LMG01]. Phantasy [RZPX19].
phase [JK13, TF16, ZL13]. phases [RHR02]. Phoenix [ACM03a].
Phosphor [BK14]. Physical [BBM+15, PS16, WLW+17, AAM+16].
physics [GTN+06]. Piccolo [CHPY17]. PiccoloJava [MO98, TO96, OT97].
PIPPIN [DH01]. Pittsburgh [ACM96, ACM04b, IE04]. PL [SKC73].
PL/EXUS [SKC73]. Place [USE01a, Fab13]. Placement
[CGC16, GLBJ18, JQWG15, KP15, LTE12, LYS+18, LPB17, Man16,
SHZ+14, YWW+17, ZWL+18, ZHL16, dSD16, CL17b, EMS15, FLL+13,
FMIF18, GGO+13, GA18, HM18, IKU15, KHL17, KSO+15, LBZ+11,
LZWD15, LLWW18, LPBB+18, MS17, Man18, MAN16, Pon19, RJK+17,
TMLL14, TMML12, XTB17, YPLZ17, ZWHC17, ZLL+16, ZWH+17].
plane [LRP+19]. Planes [UVL+13]. PlanetFlow [HP06]. PlanetLab
[MPF+06]. planning [Hal08, MIS+05]. plans [Kal97, Lot91]. Planung [Zim05]. Platform [DHPW01, DMG+15, Fra09, GPW03, JXL+12, JJ02, MCE+02, Sun99, TCP+17, WL96, Wal99, BBD+10, Fra06, MW18, PW03, WQG15, WCC+16a, XZ11, Ros99]. platform-independent [PW03].

Platforms [AMA18, Ana06a, GLS15, SN05b, Uhl06, YP15, DPW+09, GLK+12, MRM06, MBBS13, NV05, SBP+17]. Player [Joo06, Zim06].


Porting [Caa00, JJ91, Kel06, MB98, Shi03, vdK09]. Portland [IEE93b, USE85].posium [USE01c]. Post [AGJS16, HDG09]. Post-Copy [AGJS16, HDG09]. Postroom [Osb01].

Potential [FRD+08, Got07, JK13]. Power [AAM+16, DSM14, HSK17, KBB11, KL14, LZ15, LLE17, MV16, MJW+06, RSNK17, RSN+18, SSN12, SDD+16, Sta07, XDL15, ZWL+18, CBGM12, CMP+07, FLL+13, IMK+13, JKK+13, JNR12, NS07, TDG+18, THC+14, WRS13, XHL+13, YZL14, YLCH17, A+04, B+05, G+05, MBBS13].


Praxisbuch [Lar09]. Praxissführer [Bor01]. Pre [LUL+05]. Pre-virtualization [LUL+05]. Precedence [EGR15].


Preemptive [PG18]. prefetch [KW13]. Prefetching [RZPX19].


Primary [PP16]. Primitive [LCWB+11, BMWB86, POU90].

Principles [ACM75, ACM99, ACM03b, Jou07, SHW+15, Vra05, SS72].
Privacy [IEE84a, IEE90a, IEE91, WLL+13]. private
[Nie12, SYMA17, WH08, Fro13]. Privileged [MPF+06]. Pro
[SRs09, Fra06, Fra09, Wil06]. Proactively [GKB15]. probability
[LYY18]. Problem [BL17, BFG+14, Man15a, MM92, SL00]. Proceedings
[ACM96, ACM97, ACM99, ACM04b, ACM05b, ACM06a, ACM06b, Ano99b,
Boa90, IEE96b, LCK11, USE99, USE00a, USE00b, USE01a, USE01b, ACM00,
ACM03b, ACM05a, ACM06f, Ano93, GHH+93, HHK94, IEE85, IEE04,
JPTe94, Mat10, MR91, SS05, USE85, USE86, Vra05, ACM75, ACM81,
ACM89, ACM90, ACM01b, RM03, ACM04a, ACM05c, ACM05d, ACM06e,
ACM06c, ACM06d, Ano01b, Ano04b, Ano06a, BW03, IEE84b, IEE84a, IEE90a,
IEE90b, IEE91, IEE92, IEE93a, IEE93b, IE05, IE06b, IE06a, MS91b,
Ost94, Sof83, Shr89, Tho93, USE91, USE93, USE01c, USE02, USE06, M+06].
Process [AGLM91, Bal91, HPHV17, MZG14, RB01, SC17, Tho93, AC95,
LZWD15, XCJ+14]. process-aware [XCJ+14]. Processes
[JADAD06a, Kim84, SN05b, WT91]. Processing
[DKW15, Loy92, VLZL16, DH01, EF94, GSN93, IM93, KHL17, KWZ+19,
LKY+17, LRP+19, LG93, MMG+18, WWT89, Wü013, ZDK+19]. Processor
[ISE08, NSL+06, RWX+12, SKJ+17, IIK+06, LRC05, ValFCC97, WDSW01,
WLL+13, WJGA12]. Processor-Interconnect [SKJ+17]. Processors
[DSM14, Gei02, MT16, MT17, MBK+92, PNT12, RTL+18, KKC+16, MN03].
product [IBM88, Int88, SV17]. production [SL00]. Products
[Ano03a, Ano03b, Ano05]. Professional [vH08, IIPB09, Ham07, Khn09].
professionellen [Zim05]. profile [AWR05, WK17]. Profiler [SH04, VL00].
Profiles [Int05b]. Profiling
[LV99, Sun95a, DSZ11, NK10, SSB+14a, STY+14, TZK17, THC+14, YZLQ14].
Profit [BYBYT16, ZHW+17, LWL16]. Profit-Maximizing [BYBYT16].
Profitability [WUK+18]. Program
[ACM01a, Han05, H080, MSG01, SZ88, ABDD+91, BPB86, She02, WGF11].
Programm [Mar08]. Programmable
[DMS02, FS11, Ken80, MSS+15]. Programmer
[PSBG11a, PSBG11b]. programmers [Hee07].
Programming [ACM90, Arm78, DK75, Eng99, Gai75, GMP89, GH91b,
LFBB94, Luc97, SYB12, Sub08, Sub11, Tho68, Tol98, ACM99, AS85b, Alf91,
BCM90, Ham76, Jou85, Klag09, ME87, RSW91, SOM04, Ta81, AS85a].
Programming-in-the [DK75]. programming-in-the-small [DK75].
Programs [FS12, Kan83, NMMP15, Wei94, CK06b, CK06e, CR16,
DKF94, EGD03, GMR93, IM75, Wak99, Wol99]. Progress
[ZRD+15, ZHCB15]. project [AAB+05a, CKP78, Lot91, RD90]. projects
[AL05]. PROLOG [Clo85, Ode87, War80]. Promoting [ACA16, WLW+17].
Proof [FC98, LLZ18, Arv02, FP14, FCG+05, ZLH+15]. proof-carrying
[FCG+05]. Propagation [AD11]. Properties [BN75]. property [VT14].
proposed [GH91b]. Prospects [PCB+18]. protect [ZBP07]. Protected
[BPP+17, Cof99, GHD12]. Protecting [LMJ07, WLL+13]. Protection
[CD12, CDD13, SS75, CGL+08a, CGL+08b, CGL+08c, JCCZ13, PK75b,
ection [FPS+02, ORPS09]. Re
Resource-aware [GA18, PFPJ18, SGV12]. Resource-Latency [BL17].

Resources [CRZH15, KGS16, PCC16, HMI17, KHL17, LTZ+14, PSZ+07, Tzk17, WRSvdM11, WRS+15, ZBP07]. Resourcing [MSS+15].

Resourcing-on-Demand [MSS+15]. Responding [BSM+12].

Responsibility [GKXK13]. Ressource [Mar08]. restart [BBHL08].

restoration [BS96, XWX17]. Restoring [EGJS15].

Results [HW93, Man15b]. Retargetable [GFH82, Fra83, GHF83a, GHF83b, WNL83]. Rethink [WRX11, XJWW15].

Rethinking [PBWH12, RGSJ17, WCSG05]. retrofittting [CGL08a, CGL08b, CGL08c]. Retrospect [GLC84].

Return [SYB12, Ven97c]. Return-Oriented [SYB12]. returned [BBS06].

Returning [PSBG11a, PSBG11b]. Review [Ano97a, Fra13, Ng01a, Ng01b, AGH15a, MA17, Van98, Mat10]. Reviewer [Ano03b].

Reviews [Ano03b]. Revised [Ram93]. Revisited [SCD90]. Revisiting [AJH12, CL16b, HMI17, WWWL13].


rigor [Vit14]. Rigorous [KJ13, Man15b]. RISC [ABDD91, BSUH87]. risks [Bel06]. roadside [YBZ15]. Rob [Bas04, Bas06]. Robot [Arm78].

Robust [CML12, SGV12, YZC17]. Rochester [Mar81]. Rockefeller [IEE90b]. role [GLA+08]. Rollback [CHPY17]. Rome [BW03].

Rose [Ano03b]. Rosenblum [War11]. Roundtable [Cre10b, Sta97, Cre08a, Cre08b, Cre09, Cre10a]. route [YPLZ17]. routed [AM16].

routers [GP13]. Routing [EMAL17, HLP+16, WY+17, FLL+13, FSH+13, LWL16, SJR+13]. RPC [CSS+13].

RPYthon [MRG17]. RTLSim [YYPA01]. rule [Pul91]. Run [Bad87, ACT94, AWRE05, CGM17, Com00]. Run-Time [Bad87, ACT94, CGM17].

Running [Bad87, MDD+08, GMR93, KGS16, SJ88]. runs [FIF+15]. Runtime [GSS+18, Kam83, KB15, MB98, NMMP15, Shi03, ORPS09, RVJ+01, STY+14].

Runtimes [HD16, Han05, CSV15, GKO5, PBAM17, WWH+17].

S [M+06, Ber86]. S-GRACE [M+06]. S.u.S.E [KGG00]. S/370 [Ber86].

SableSpMT [PV06]. Safe [BHI15, RSR+15, SKI+17, VVC+17, CFS+12, CLDA07, MSZ09]. Safety [BSI+15, HM01, MSG01].

Sagamore [ACMC03b]. Sampling [Lec16]. San [ACM99, ACM06a, Ano94b, Ano10, IEE93a, USE99, USE01b, USE02].

Sandboxing [GG11]. Sandpiper [WWSY09]. SANs [ZSXX07]. Santa [ACM08]. Sapphire [URJ18]. satellite [CFVP12, SSN94]. Satisfaction [LVM16].

Satisfaction-Oriented [LVM16]. saving [YLCH17]. SC+11
semi-automatic [MSZ09]. sensitive [DK17, KSLA08, LCL14, ZBP07].
sensitivity [HB13, TZK17]. Sensor [BSI+15, LC02, MAK07]. sensors [ALL06]. Separation [KF91, WLMD16, LWM14]. September
[ACM81, ACM04a, ACM05a, ACM06c, ACM06b, Ano93, BW03, GHH+93, Jou85, JPTED94]. Sequence [EDS+15], sequential [Clo85]. Serialization
[BP01, BP03]. Series [Kec77, KAH83]. Server
[Ano03a, Apr09, Bod10, Car06, CGS06, Do11, HSK17, Joo99, KSS09, KS10, KLLT18, L215, Lar09, LC09b, LC09a, Mar08, MG08, MG09, PZW+07, RWX+12, R+02, SWC08, WN17, ZHW+17, Zim05, Zim06, A+04, AGH+15b, B+07, DBC+00, Hal08, IMK+13, LLW+18, LLS+08, LI14, LDDT12, MNT14, MRM06, NTH+17, R+13, RPE12, Wal02, WDT18, YZW+13, AAI+03, Ano03a, B+07, D+04, Ham07, Lar09, MWHH05, OH05, R+06, Rul07, R+02].
Server [Mar08]. Servers [DSM14, JJK+11, KAZS14, SDD+16, SK+17, WLW+17, A+04, BBHL08, G+05, Hal08, JDJ+06, Mly09, SZ13].
Service [BB13, BFG+14, DKW15, DPCA11, EMAL17, ESY+17, HJG18, HPHV17, JWL+18, LP14, LLW+16, RSNK17, RSGG15, WVT+17, WHD+16, BSM+12, CHCC07, DVM+17, EdPG+10, ECAE13, EM13, Fr013, GHM+18, KKB14, LZWC13, MCJ19, ROCW12, SZ13, VOS12, YCL+19]. Service-Based
[HP+14]. service-chaining [GHM+18]. Service-Oriented [RSGG15, Fro13]. Serviceability [RB01]. Services [BFHW75, IEE06b, MSS+15, WC01, ZLW+18, BDS+09, HBP06, KBB11, KSLA08, LTZ+14, ZEdlP13]. Set
[Bro89, CH08, Cro93, Low88, RLZ+16, RKRK17, SLM89, SV13, SNC91, SNS03, CFS+12, JGSE13, PW03, TZK17, WWS89, WDC10].
Shared-Memory [Cro93, RLZ+16, SLM89, WWS89]. shared-source [PW03]. Sharing [ACA16, BFHW75, CDN02, MS07, PTM+15, RG17, SAB+07, XML+18, LLS14, LTZ+14, TtLC13, WTLS+09]. Sharing-Aware
[RG17]. shell [FL13b]. Shoot4U [OLZ16]. Short [HW15, KKC+16].
Short-circuit [KKC+16]. shortest [AM16]. shot [JK15]. Shoulders [FS12]. Showcase [USE00a]. showdown [SCEG08]. Shredder [AMH+16].
Shredding [AMH+16]. Shrinking [Ste14]. shaving [ZWC+14]. Shuttle
e[cWS14]. Sibling [OG16]. SIGACT [ACM99]. SIGCOMM [RM03].
SIGCSE [ACM06d]. SIGMETRICS [ACM81]. Signal [MBK+92].
SIGOPS [ACM04a]. SIGPLAN [ACM01a, ACM99]. SIGPLAN-SIGACT
[Skr01]. SIMD [PSBG11a, PSBG11b, PBR+90, Sig89]. Simics
[Ano14a, MCE+02]. similarities [CL14, CL17b]. similarity
[GV13, LLF+18, LLWW18]. Simple [Bak83, Cox07, NOR15, WDT18].
Simplicity [BGP00, DSSP06]. simplification [FS08]. Simplified
[Bag12, PSC+07]. simplifying [Cla05]. simulated [GE85, RH17, WDSW01]. Simulating
[HO92, Pou90, RPE12, TO91, ZR06, FPGK18, Skr01, WCC91]. Simulation
[ADG+92, AB16, DBMI92, JN15, KD78, Kut92, MCE+02, MBK+92, MJ93, PBR+90, PY93, Tur92, WB81, WWMG06, YP15, Ano94,
BHvR05, Bur02, BS96, Clo85, DSSP06, IM93, KK79, LJN+00, NRS92,
RMB02, SK13b, UBL+82, WWS89. 
**Simulations** [LCT+15, BL90, DH01].
**Simulator** [CK96, CRZ83, Dun86, PCR89, Ber86, BR01, CMP+07, DC15,
GB07, Hog02, KW80, MRL02, YYP01, Ano14a].
**Simulators** [NMHS15, Sup04, Man18, Yur02].
**Simultaneous** [LRZ16, ABB+15].

**Singapore** [Ano06a, TLC06].
**Single** [CCO+05, KP15, AGIS94, Fis91, LSS04, Mon97].
**single-chip** [Mon97].
**single-node** [LSS04].
**single/multigrid** [AGIS94].
**site** [CPST15, SSB03, DK75, HPHS04, SS72, WH08, WWT89].
**sizes** [HM18].
**Sizing** [VTW16, CSV15, WSAJ13].
**Sizing** [JJ02].
**Sizing** [JJ02].
**Small** [JJ02, SSB03, DK75, HPHS04, SS72, WH08, WWT89].
**small-scale** [WWT89].
**Small-Sized** [JJ02].
**Smalltalk-80** [BMWB86, BSUH87].
**Smalltalk** [BMWB86, BSUH87].
**Smart** [Ano03b, GLV99, MPA+18, Rou07, WTLS+09].
**Smartphone** [DAH+12].
**SMIL** [Bru07].
**SMILemu** [Bru07].
**SMOK** [DZ02].
**SnapShot** [CHLY18].
**Snapshots** [CWL+15, DS16].
**Snowbird** [ACM01a].
**SnowFlock** [LCWB+11].
**Social** [XML+18, PEL11, PG11, Web10, WXW15].
**sound** [BHSB14].
**soundness** [Req03].
**Source** [Ano03a, SJV+05, SNS03, AAB+05a, But04, CKRKJ17, Cia07, JM08, PW03, SIK+16].
**source-level** [But04].
**source-aided** [TB14].
**solvers** [GCARPC+01].
**Some** [Ker88, Man15b].
**Some** [Ker88, Man15b].

**Some** [M+06].
**Sorting** [BGHSM70].
**SOSP** [ACM03b, Vra05].
**sound** [BHSB14].
**soothing** [Req03].
**Source** [Ano03a, SJV+05, SNS03, AAB+05a, But04, CKRKJ17, Cia07, JM08, LC09a, PW03, SIK+16].
**source-level** [But04].
**sous** [Apr09].
**SP** [IBM94].
**SP2** [Boz89].
**Space** [XML+18, PEL11, PG11, Web10, WXW15].
**space-efficient** [PEL11].
**spatial** [GH91a].
**SPAN** [RD90].
**Sparks** [VN08].
**sparse** [Kra90].
**sparse-matrix** [Kra90].
**Spatially** [HW93].
**SPC** [JYW+13].
**SPC-indexed** [JYW+13].
**Special** [Bag76, KM13, TZZB19, Yur02].
**Specialized**
Supercomputing
[ACM89, ACM96, ACM00, ACM04b, ACM05c, Hir92, IEE90b, IEE92, IEE93b].
Superconcurrent [NRS92]. superoptimization [HW15]. superscalar
[VdlFCC97]. supertype [RBB17]. Support [BP01, DJ77, HHV+02, HD16, HB12, KYP+17, LV99, NLS+06, RI00, SSG90, Tur92, XD16, dGG+17, AC95, BADM06, BTLNBF+15, BP03, CHCC07, CFS+12, DJ76, GK05, ORPS09, PGLG12, SJRS+13, STFH15, SL12, TY14, WK08, WES06, WLL+13]. Supporting [BMS16, CWS12, Kim84, MSS+15, Mon97, RT93, XWJX15, YWCF15, ZZF06, GD08, TT93]. Supports [Ano03a]. surgery [PBL+16].
Survey [BAL15, HSN17b, KKL16, KL14, Man15a, PS16, SB16, SGB+16, UOKT84, AGH+15b, CB10, FMIF18, MG13, NIA18, PBB13, XTB17, YWL+13]. Surviving [BMS16, CWS12, Kim84, MSS+15, Mon97, RT93, XWJX15, YWCF15, ZZF06, GD08, TT93]. Survivability [YZW+13].
Surveyor [Fra83, GHF83a, GHF83b, WNL+83]. Survive [Ano03a]. Surveyor [BMS16, CWS12, Kim84, MSS+15, Mon97, RT93, XWJX15, YWCF15, ZZF06, GD08, TT93]. Survivable [ACA16, AM16]. SUSE [Bau06b]. Sustainability [FBL18, SS17]. SVGrid [ZBP05]. SVM [JAS+15]. SVS [LJZ12]. SW [Wu13]. swapper [ATS14]. swapping [ABG14]. swarm [JNR2]. Sweet [WBB+16]. Swift [NOT+17]. Swiper [CRZH15]. switch [BR01, Ste14]. Switching [DMG+15, LBL16]. Sy [USE01c]. Sydney [MR91, Gre10]. symbiotic [LD11]. symbolic [MMP+12, TB14]. SymCall [LD11]. Symmetric [DBO+18, GMP89]. symmetry [PBL+16]. Symposium [ACM75, ACM03b, ACM05a, ACM06d, Ano00, Ano01a, Ano01b, Ano04a, Ano04b, Ano10, HHK94, IE84a, IE85, IE90a, IE91, IE96b, IE96d, IE06a, Ost94, TLC06, USE91, USE93, USE93, USE00b, USE01d, USE02, Vra05, IE96a, Ano02]. Synchronization [LJL+11, ZJXL11, Sub11, Uhi07, Ven97d]. Synchronous [SIR+17]. syntax [KMMV14]. Synthesis [DMS02, BPB86]. Syracuse [IEE96b]. System [ACM75, Abr80, ABC66, Ano10, AAK18, Bad82, BFHW75, BBD+91, BPP+17, BHYBT6, BG589, B+05, Car13, CSS+13, CWL+15, CHPY17, CHLY18, DMR10, DM75, Fis01, G+06, GH91b, HXZ+16, HW93, HHC+16, HWCH16, IS7, Kam83, Kee77, KP15, Kut92, LP14, Li14, LCFL12, LXM+16, MCE+02, Mat10, MS70, MDGS98, MB98, MS01b, MM94, NHW10, NMS+14, P+08, R+06, Sch86, SLM89, SVN+10, Shio3, Shr89, SWF16, Ste05, WLW+15, WK90, ZSZX07, ZQZC16, ZFF06, ZXY+15, AD18, AEMW+12, AL05, AH12, ACT94, AP18, Bar78, Bor07, Bur02, Caa00, CWH+14, CK06b, CK06e, CKP78, FFBG08, Fis91, GQQ+13, HN08, HKD+13, HCC12, IBM88, Int88, KCKC15, KK79, LNN+00, Lya05, LDL+08, MD73, MD74, MDFST2, PRB07, PK75b, Rob06, SNV10, SPF+07, SWW+18, SZ13, SS72, STY+14, TC10, Vag10, Van06]. system [VMBM12, VSC+10, WKT08, WH08, WWT89, WF07, WC91, YLCH17, YZSC17, ADG+92, ABD+91, Car14, Gum83, SNC91]. System-level [SVN+10, AL05]. System/370 [Gum83]. System/6000 [ABBD+91]. System/9000 [ADG+92]. Systemarchitecktur [See08a]. Systeme [WF03]. Systems [ACM81, ACM03b, Ano99b, BBMA91, BH15, CD12, CAF+91, Das91, DJ77, Her10, IEE93a, IE01, Lar09, LW11, LJZ12, MM93, MJW+14, MKKE12, RT93, SL14, SS75, SVB93, SL16, SN05b, THB06, USE99, USE01b,
Systemverwaltung [Lar09].


TCAM [HWHW18]. TCAM-Based [HWHW18]. TCB [HCJ07, HPHS04].

TCP [CL16b, GKKK13, GI12]. teach [Don88]. Teaching [Agr99, Dav04, Don87, GGG03, ME87, Guz01, Ham76, KW80, MS01, NV05, WKC+09, YPPA01]. teasing [LBF12]. Technical [ACM06d, Ano06b, Han16, OH05, USE01a, USE06, BB08, Int06c, Int06a, LC09a, Wall10].

Techniken [Tho08]. Technique [JHS12, JMSLM92, LT92, SMK02, ACT94, SLA+16, YKS16]. Technologies [ACM06b, LJJ+15, NKY+18, OVI+12, SldLB15, Tho68, UOKT84, ZZF06, AD18, AA06, AH12, BADM06, HSC15, IM93, KS13, KRG+12, SSN12, SHTE11]. technische [LC09a]. technologie [Apr09].

Technologies [DF96, PZW+07, USE99, USE01b, Cla05, Kao17, MPA+18]. Technology [Ano00, Ano01a, Ano01b, Ano02, Ano04a, DLM+06, Don06, Got07, Her06, RG05, USE01c, USE01d, USE02, UNR+05, WHD+09, ZAI+16, Apr09, Int05a, Int05b, Int06b, Int06c, Int06a, AJM+06, NSL+06, NKK+06, RSW+06, Uhl06]. Tele [HMS04]. Tele-lab [HMS04]. telehealth [WQG15]. template [WRX11]. Temporal [CwdO+06]. Tenancy [DY17]. tenant [SWW+18, YKS16, ZRYZ15]. terminal [CKT08]. terminals [IIK+06, ISE08]. Terra [ACM75, ACM06d, USE01b, IEE02, IEE03]. theri [EF94, KCV11, SS13]. Them [Hir17, SSI17, BW03]. Theoretical [Kna93].


Three [YPPA01, Vit14, YZW+13, ZFY18]. three-layer [ZFY18]. threshold
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[SENS16, TDG+18]. threshold-based [SENS16]. Throughput
[BPP+17, GKKX13, GI12, ZSW+06]. Thunderbird [Joo06]. ticket [OL13].
tier [WDC08, ZNSL14]. tiered [AW17]. Time
[Bad87, CW03, Fuj91, Hu90, HWB03, HS06, LTE12, IWC+17, MS70, Sta97,
ABB19a, AS76, ACT94, ABC+07, BBS06, CMG17, DEE+16, HK07, HC14,
Ive03, KJ13, KBB11, LD05, LTK17, MNT14, QT06, She91, Ste14,
TSLBYF08, WQG15, YK13, YCL+19, ZEdlP13]. Time-Constrained
[LTE12]. Time-Sharing [MS70]. timebombs [CWd06]. Timing
[Hu90, HWB03, LGR14]. tiny [LC02]. TLB [OLZ16, RGSJ17]. time
TM [Qia99]. Tolerance [JKJ+10, RZPX19, ZJX11, ROC12, YLH14]. Tolerant
[FK03, Kim84, YWR+14, SNV10]. Tool
[Ano03b, Wil01, KK79, Lia05, Skr01, SCFP00]. tool kit [DZ02, PW03]. Tools
[AC98, Cal75, GG11, LC09a, MJW+06, PY93, QNC07, ACM01a, EL98,
YYPA01]. top [KMT14, PBWH+12, Won97]. topic [YZSC17]. Topics
[IEE01]. topological [KKM+13]. Topology
[CYX+17, TB17, dSdlF16, AM16]. Topology-Adaptive [CYX+17].
Topological-Aware [dSdlF16]. Toronto [So83]. Total [LGJ+18, THG+18].
TotalStorage [D+04]. TPC [NP13]. TPHOLs [BW03]. TPM [KC12]. TR
[Int05b, Int06c, Int06a]. Trace [MZG14, BDE+03, DC15]. Traces [WKG17].
tracing [BT15, PFH+16, WKJ15, Wol99]. Track [Sch89]. Tracking
trade off [UTO13, WCY+17]. Tradeoffs [CMM+06a, CMM+06b, CMM+06c].
trading [LWLL16]. Traffic [BBM+15, CGC16, CYX+17, DK17, PCW+16,
FLL+13, IKU15, MG19, WZV+13, YCL+19]. Traffic-Aware
[CGC16, CYX+17]. traffic-intensive [IKU15]. Traffic-sensitive [DK17].
Transactional [URJ18, CMM+06a, CMM+06b, CMM+06c, ZHC15].
Transcendent [VTW16]. Transfer [HHC+16]. transfers [DBP16].
Transformation [WIDP12]. transformations [HB08]. transient [LRC05].
Transiently [LDRS18]. Transition [MBW+86, Syr07]. Translation
[JXL+12, LH16, YVBCB17, dGG+17, CFG+13, JYW+13, OI05, OI06, OI08].
translation-based [OI05]. Translational [WIDP12]. translations [UTO13].
Transmission [RSNK17, RSN+18]. Transparent [BZA12, FK03, JKJ+10,
MSI+12, dGG+17, AW17, JXZ+10, MRC+13, YJZ+12]. Transputer
[Boa90, GHH+93, Boa90, GHH+93]. travel [TSLBYF08]. Traveling [YK13].
traversal [YTS14]. Treating [SSOT17]. Tree [Hal79, KMMV14]. Trenches
[HN10]. Trends [RG05, AH12, CM18, JPT94, vD06]. TRI [ACM97].
Trigram [Cox12]. Troubleshooting [WF03]. Troy [Ano97a]. Trusted
[DPW+09, SVB93, BCP+08, KSLA08, WH08]. Truthful [NGM15, TSAC
[WZL15]. Tucson [IEE05]. Tuning [EDS+15, RS16]. Tutoring [GH91b].
TVDe [BCP+08]. Twelfth [MR91]. Twenty [MS91b, Shr89].
Twenty-Fourth [MS91b]. Twenty-Second [SR89]. TwinDrivers [MSZ09].
twins [HCJ07]. twitter [Guy14]. Two
[AW17, SSG90, TF16, BSSM08, HCJ07, LUL+05]. two-dimensional
Two-level [SSG90]. Two-phase [TF16]. Two-tiered [AW17].
TX [ACM99]. Type [ADM98, AT16, Arv02, KCV11, PRB07]. type- [Arv02].
Type-Precision [ADM98]. Typed [G+88, BDT13, GLV99, KRCH14].
Types [Wel94]. TypeScript [RSF+15]. Typing [RSF+15].

u.v.a [Tho08]. UKCF [JXL+12]. umfassende [Bod10, Fis09]. Umgebung
[CK06p]. Umgebung
[CK06a, CK06e, CK06c, CK06d, CK06g, CK06f, CK06i, CK06h, CK06j, CK06k, CK06m, CK06l, CK06n, CK06q, CK06t, CK06r, CK06s].
UML [Fre05, RFBLO01]. UMLexe [Fre05]. uncertainty [LPBB+18].
underlying [FBZS12]. understanding [DMH18].

unknown [ClW+14]. unleased [Ano97d, HH08, MG08, MG09]. Unmodified
[HL+16, MKKE12]. Unpicking [LB12]. unsound [AT16]. Untrusted
[CD12, HK+13, HPHS04, WLL+13, ZBP05]. upcalls [LD11]. Update
[VCC+17, J+05]. Updates [LDRS18]. updating [CCZ+06]. upgrade
[CHCC07]. Upgrades [Ano03a]. uptrees [HB13]. UPWN [M+06]. Urgent
[AGJS16]. USA [ACM75, ACM81, ACM01a, ACM03b, ACM05a, ACM06c, ACM06b, ACM06d, Boa90, IEE93a, Shr89, USE01c, ACM75, ACM05d, ACM06a, Ano01b, Ano04b, IEE84b, Ost94, USE85, USE86, USE91, USE93, USE99, USE00a, USE01a, USE01b, USE06]. Usage
[KLLT18, RSW+06, WH99, KTB17, RGAT18, SK13c]. USB [Ano03a]. Use
[Bec09, CLLS12, Guy14, KK79, Sch13a, SJJ+12]. used [tTR82]. useful
[LC09a]. USENIX [ACM50d, So93, USE91, USE93, USE06]. User
[Chu06, ZQZC16, Ano93, ACT94, Bor07, Guz01, PG11, RSC+15, Sto07, ZLZ13, ZLZ+19a, CKT08, Dav04]. user-controlled [Sto07]. User-Level
[Chu06, ZQZC16, ZLZ13]. user-space [PG11]. User-terminal [CKT08].

Users [Boa90, SS17]. userspace [Ste14]. Using
[AAF+09, ABV12, AL06, Bas04, Bas06, BRX13, CQLL18, CCO+05, DBMI92, Don88, ESY+17, Guz01, HLW+10, HW18, JMSLM92, LHN+00, LTT92, LD05, MV16, OLZ16, PEC+14, RSW+06, See10, SM06, SC17, SYB12, SAT09, SBK15, SXCL14, TD+18, WDSW01, WKG17, WUNK17, Wil01, WOl09, XSC13, ZB07, cGG+17, AD18, Agr99, ATS16, AWR05, AP18, AGIS94, BSM+12, BHvR05, CL14, CCZ+06, Dan12, FFBG08, FL13b, GHM+18, HJ10, HN08, HPHS04, Hol95, JNR12, JWH+15, JGSE13, Juo07, KKM+13, KS18, KJJ+16, KGS16, KL13, Kou11, KRG+12, LLD14, LLLW18, LQW+12, NV05, PBL+16, Pon19, RP07, SGV13, SNS12, SJPP11, SIK+16, SSH17, STF15, SNS94, TSLBF08, TF16, V14, YK13, YLWH14, YW09, YWCF15, ZLZ13, ZDLG17]. UT [Ren78]. Utah [ACM01a, CK87]. utility
[CSV15, JWH+15, PSZ+07]. **Utilization** [KCKC15]. **Utilizing** [GV113, KOY05].

V [Gal09b, Lar09, LC09a, Apr09, Car06, KVV09, KSS09, KS10, Lar09, LC09b, LC09a, MG08, MG09, SRS09]. **V2E** [YJZY12]. **Validation** [KCKC15]. Utilizing [GVI13, KOY05].

V [Gal09b, Lar09, LC09a, Apr09, Car06, KVV09, KSS09, KS10, Lar09, LC09b, LC09a, MG08, MG09, SRS09]. **V2E** [YJZY12]. **Validation** [KCKC15]. Utilizing [GVI13, KOY05].

V [Gal09b, Lar09, LC09a, Apr09, Car06, KVV09, KSS09, KS10, Lar09, LC09b, LC09a, MG08, MG09, SRS09]. **V2E** [YJZY12]. **Validation** [KCKC15]. Utilizing [GVI13, KOY05].

V [Gal09b, Lar09, LC09a, Apr09, Car06, KVV09, KSS09, KS10, Lar09, LC09b, LC09a, MG08, MG09, SRS09]. **V2E** [YJZY12]. **Validation** [KCKC15]. Utilizing [GVI13, KOY05].
Virtual

KS08a, KMK16, KNT02, KKTM17, KF91, Ken80, KDB16, Kim84, KJL11, gKEY13, KKJL14, KP15, KA83, KGZ+04, KLTT18. Virtual [KLF+15, LCWB+11, LMM18, Lam75, Lau87, Law00, LW11, LP14, LMR18, LW98, LMG00, LMG01, LTE12, Li14, LZZ+15, LZW15, LVM16, LWWL16, LYYY17, LGJ+18, LB98, LV99, LTT92, LD05, LY97a, LY97b, LY99, LYxxa, LYxxb, LYY13a, LYBB13b, LYBB14, LHP06, LWWL10, LJJ+11, LW12, LJL+15, LLZ18, LPB17, LPBB+18, LFBB94, Loy92, LTK17, LX+16, MSG14, Mac79, MS91a, Man15a, Man16, MD12, McG72, Men03, MS70, MD97, MDxx, MW18, MDGS98, MLG02, MB98, MKKE12, II79, MP01, MJW+06, MM94, NBH08, NKK16, NMG15, Nel04, NSJ12, NO12, OL05, OT97, Oi05, Oi06, PTHH14, PTHH72, PSBG11a, PXG+17, PRB07, Pfo13, PS16, PCC+16, PK75a, Pr00, Qia99, QT06, RG17, Ran02, RLZ+16, Ren78, Rev11, RY10, R00, RSN+18, Ros99, Ros04, RG05, RB01, SM02, Ibs84b, SL14, San88, SSB+14a, SD01]. Virtual [SH04, Sch13a, SMES01, Sch94b, Sch94a, See10, Set13, SMSB11, SSB03, SC17, SCEG08, SCSL12, Shi03, SM01, SGV12, SV13, Sim92, SCP93, Siv04, SSG90, SN05a, SN05b, SHZ+14, SSB+17, Sta97, SSB01, SSB14b, SHB+03, SVL01, Sun95b, Sun95a, SUN97, JCV99, SKI+17, Sup04, SM02, Sur01, TSLBYF08, Tai98, TT96, TTH+19, TMV12, TY14, To98, TO96, TV12, USE01c, USE01d, USE02, UT87, UBF+08, UR15, Vag10, VTF16, Ven97a, Ven99a, VL00, Vog03, Vol90, WL06, WIPD12, Wak99, WH99, Wa19, WB11, WLW+15, WWL+17, Wel94, WGLL13, WLLZ16, WCSG05, WPD+09, WP97, Wa99, Won97, WWM06, XKY+11, XSC13, XHL+13, XWJX15, XLL+14, XLJ16, YC98a, YLL17, YYY+17, YLCH17, YF15, ZS01, ZLW+14, ZRD+15, ZRS+16, ZL16, ZCG+17, ZL18, ZLZ+19b, ZZF06, ZWL+18, ZLL+16]. Virtual [Zho10, ZHL16, ZLY18, ZJXL11, ZTMW17, Zim05, ZR06, Zy94a, Zyt94b, dSdF16, vD00, vLSM01, dG99, AEMWC+12, ABB19a, Abr82, AS85b, AGS10, AAH+03, AGH+15b, ADA+19, AAB+00, AAB+05b, AC95, Ame13, AGH+16, An04, An06, An09a, AO16, ATS16, AFT01, ABC+07, Arm98, AW05, AAM+16, AMAB17, Arv02, AP18, AS14, ANH00, BAC15, Bag76, BML+13, BSM+12, BDF+98, BDS+09, BVH+05, Beg12, BPC94, BB12, BB15, BCP+08, BCN90, Bir94, BADM06, BFC02, Br98, BB95, CARB10, CL14, CL17b, CD14, Car14, CEG07, Cav93, CS76, CGM17, CCL+17, CBLFD12, CH08, CRB12, CK06a, CK06b, CK06c, CG10, cCCDFdO15, CDO+06, CDAL07, CLL+13, CD01, DPW+09, DDS+94, DSC+08, DP11, DM03, DC15, DEG+17, DBC+00, DLQW15, Don87, DXM+17, DSZ11, DCMW17, EGD03, EGK02, EG03]. Virtual [Ert05, EL98, EMS15, FLL+13, FM90, FBZS12, FSFP19, FMIF18, Ft14, FHL+96, FGL15, FF96, FLH+08, FCG+05, Fad05, FX06, Fu10, GP13, GGQ+13, GTG14, GI12, GVI13, G173, GCARPC+01, GPW03, GR80, GBCW00, GLV+10, GA18, HKS19, HM18, Ha09, HMH17, HJ10, HN08, HZZ+14, HUL06, HDG09, Hc14, HPHS04, Hol95, HSC15, IBM94, IBM96, IKU15, JSK+13, JK15, JES+15, JKK+13, JNR12, JWH+15, JGW+11, JDW+14, JGSE13, JADAD06b, Kal97, KOY05, KSSG16, KSO+15, KRCH14,
KS18, KTB17, KBB11, KCS14, KJLY15, KCKC15, KKC+16, KMG+18, KFF12, Kouv11, KCV11, KR16, LBP+07, LMJ07, LBZ+11, LC02, LM99, LZF+16, LBL16, LLYY18, LLW+18, Lia05, LJL12, LQW+12, LC13, LL14, LTZ+14, Lot91, LSSO4, LG93, MSG+12, MD73, MD74, MSG01, DPBK16, Man15b, MS17, Man18, MRMO6, MBM09, MNA16, MS00, Mat09].

**Virtual** [MN03, MC93, MG13, MRG17, MN91, MST+15, hTMAC+08, MAK07, NK10, NOK+85, NOR15, NV05, NIA18, OG16, Oi08, OMB+15, ORPS09, PFH+16, PEL11, PSBG11b, PMC05, PFPJ18, PBYH+08, PCB+18, Piz17, PON19, PRS16, PV08, Pu91, RK16, RH17, RHR02, Raj79, RT18, RZ14, Req03, RFBL01, RJK+17, Rus08, SJB14, SS13, SENS16, SNV10, Sch13b, SSMGD10, SHLJ13, SN12, She91, SJ+12, SJW+13, SAGSA13, SL00, SGGB99, SGGB00, SKC73, Smi97, SYMA17, SSL+13, SMA+10, Spi06, Ste14, SSU+12, Str13, SZL+14, SL13, SL14, Lot91, LSS04, LG93, MSG+12, DPBK16, Man15b, MS17, Man18, MRMO6, MBM09, MNA16, MS00, Mat09].

**Virtual-machine** [HUL06, HPHS04]. **Virtual-Machine-Based** [JN15].

**Virtual-time** [She91]. **Virtualbox** [Deu08, Bec09]. **virtualisation** [Apr09].

**virtualised** [MPF+06]. **virtualisierte** [Mar08, Kar07]. **Virtualisierung** [Spr06, Spr07]. **Virtualisierungs-Buch** [Tho08]. **Virtualisierungslosung** [See08a]. **Virtualisierungslosungen** [PO09]. **Virtualisierungssoftware** [Zim05]. **Virtualisierungssystemen** [Deu08].

**Virtualities** [Den01]. **Virtualizable** [HH13, PG74, PG73]. **Virtualization** [AFG+17, AJM+06, AAD+16, APST05, Ano03b, AVMT11, Bac11, Ble10, BHEP14, BDR+12, CZL08, CLS07, CGS06, CH12, CXLX15, CWH+16, CQLL18, CD12, CDD13, CCWS14, CLLS12, Chu06, Coh10, Cre09, Cre10b, CGW07, DMS02, DW14, DPCA11, DLM+06, Don06, DMG+15, DY17, EMAL17, FPR+06, Fer11, FDF05, FRD+08, FLZ17, Gal09a, Gal11, GHS17, GW07, Got07, GG11, HD16, HFW07, Her06, HN10, HHC+16, HSN17a, HSN17b, HDM08, HSL17, HB12, JW17, KHW+16, KSO8a, KMM13, KSO8b, KGS16, Kot10, Kot11, KCL12, LH16, LWC+17, LLW+16, LRZ16, LZW+17, LCFL12, LDIT12, MCC18, MA10, MCZ06, MUKX06, MA17, MGL+17, MWHH05, NTR18, NSL+06, NKK+06, NSP16, OVI+12, PZ+07, PH+12, PZH13, PVDS08, PNT12, PST+15, QNC07, RSW+06, RC+12, R+06, RTL+18, RZPX19, RKRK17, RWX+12, RR09, Sed07, SM06, SGB+16].
Virtualization [SYB12, SAT09, SJPP11, SWF16, Spr07, Sta07, SKYK16, Swa06, THLK10, TF16, Tre05, UNR+05, Uhl06, UVL+13, VN06, VN08, WBB+16, WDC108, WWH+16, WC01, WG07, WHD+16, WH05, WLW+17, XH16, XML+18, YSS+17, ZSX07, ZQCZ16, ZZF06, ZAI+16, ZXY+15, ZKW017, dGG+17, vMAT14, vDK09, AA06, AKK+07, AAF+09, A+04, AH12, ALW15, AJD09, Ano14c, Ano15, Apr09, AAB+05c, AEB19, ABB+19b, AA18, ABB+15, BDF+03, BBD+10, BRH110, B+05, BB08, Bor07, BH13, BC10, BTLNB15, BSMF08, B+07, CSS11, CBER09, CDM+10, CFG+13, CWH+14, CL15, CCZ+06, CGL+08a, CGL+08b, CGL+08c, CB10, CMM+06a, CMM+06b, CMM+06c, Cia07, Cia05, CM18, CKT08, Cre08a, Cre08b, Cre10a, CB07, DLL+16, DBO+18, DYL+12, DCP+12, DS09, DRe08, EdPG+10, ECAE13, FFBG08, FP14, FJJK17, FLCB10, FS08, Fro13, FK13].

virtualization [FSh+13, GMK17, GLA+08, G+06, G+05, GTN+06, GAH+12, GKT17, HLP+10, Hal08, Han16, HIIG16, HPH08, HC12, IIAK+06, ISE08, IMK+13, J+05, JM08, JXZ+10, JCC01, Kao17, KVV09, KSR10, KKB14, KWZ+19, KL03, Kro09, LPD+11, LD11, LUL+05, LLE17, LLW+12, LZWC13, LLY+18, LJY07, LQW+12, LCL14, LWE+16, LRP+19, LLS14, LP11, LDL+08, MG19, MRM06, MSL+12, MDD+08, MIS+05, MBA+12, MPA+18, MBBS13, Mly09, MMG+18, MR06, NTH+17, NBI11, P+08, PG11, PBB13, QZD16, RSC+15, RS16, RQD+17, Rix08, RSLAC16, Ros06, Rou07, SVN+10, SJSR+13, SWc12, SIR17, SPF+07, SWW+18, SAB+07, SWC08, SL12, TDL+18, TZR9, TLB12, VW08, VSC+10, VOS12, WR12, WZW+11, WCC+16a, WCC16c, WCS09, WJGA12, XKY+11, XZ11, YKS16, YJY12, YTS14, YLH14, YLWH14, YCL+19, ZE11, ZRE+05, ZSW+06, ZLZ+13, vD06]. virtualization [vH08, Gua14, MCJ19, YWL+18]. Virtualization-Based [CDD13, RZX19, AAJD+16, DPCA11, MCC18, WDC108, CGL+08a, CGL+08b, CGL+08c, QZD16]. virtualization-driven [CSS11].

Virtualized [AMA18, EGR15, GKK13, GLJ18, KKW+16, LZ15, MT16, MT17, NKY+18, RGSJ17, SB16, SL16, SDD+16, WIS+15, WKC+09, WLM06, YWC08, YWC17, YWOF15, AJH12, ATS14, BGS13, BSS08, HOK014, HL13, KW13, KSR010, KRG+12, LWM14, LC13, MNT14, NS07, PSZ+07, PSC+07, SG10b, TRG13, WWM+13, WLS+09, ZWC+14]. Virtualizing [BTMS10, Sari16, SB10, SL01, WRS13]. VirtualKnotter [ZWC+14].

Virtually [Spi06, WL96, Tre05]. VirtualPower [NS07]. virtuelle [WF03, WR07, WR08, Zim05, Zim06]. virtuellen [CK06a, CK06e, CK06c, CK06d, CK06g, CK06f, CK06i, CK06h, CK06j, CK06k, CK06m, CK06l, CK06n, CK06o, CK06p, CK06q, CK06t, CK06r, CK06s].


Visualizing [WT91]. VLISP [Ram93]. VLSI [IN87]. VM [Ano01a, Ano04a, Ano04b, Ano03a, AB16, ABG14, Att79, Bar78, BN89, BT15, Boz89, Cal75, CBZ+16, ESY+17, Fis91, FL13b, GH91a, G+06, GHD12, HXZ+16, HC12, HW15, IBM94, LBF12, LJZ12, LLW10, MSS91, MLA83,
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