A Complete Bibliography of Publications in *Future Generation Computer Systems*

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**Title word cross-reference**

$L, \alpha$ [SLW11]. 10 [ABB+03]. 16 [Goo01]. 2  
[AKB18b, CEGL01, HvHAS04, JNR01, NCS04, RBS93, VAS95]. 3 [AKB18b, CPD+15, CH95, EMB98, EdBG+99, IdLR01, JHL+06, KCK04, Kni89, KA88, MJ98, MJ06, RICW00, SGL99, SHN10, VF18, WKF03, XYZ05, XJY+18, YMM00]. 4  
[Avg00, DMM+99]. *$47.50$* [Teb86]. 80/20 [MRH17]. + [PYH+18]. 2  
[LG08, OSCY93, WWT+16, ZY04]. 3  
[LHM14]. *ny* [DGS09]. 3 [TMDZ15]. *D*  
[PP06, SW02]. *D*2 [DRS04]. diam log(diam) [SW02]. *$\epsilon_1$* [Tre03]. *$\epsilon$* [GPS13]. *$K$* [PLL+18, ZZC14, CCJ16, MLW+18a, PSLZ18, Pan95b, SAKOK03, STA17a, TDBR18]. *$\lambda$* [LJY04].  

$M$ [YH18]. AVZSPA [BGC+03]. *$\mu$* [JD94].  
$N$ [Ref87, RW18, SvAS01, ZXM+19]. *$CFL+18$, Pan95b, SAKOK03]. *$Q$* [CLL+18a].  
*R* [CPK05]. *$R^2$* [TY11]. *$T^2K^2$* [TDBR18].  
*T*2K2 [TDBR18]. $\tau$ [RGDML16]. *u* [HZM14].  

*A* [Vin16]. *AIDA* [WM14].

-ary [Pan95b, SAKOK03]. -aware  
[LWS+12]. -based [YZ12, TMDZ15]. -body  
[SvAS01]. -constraint [GPS13]. -core  
[PSLZ18, PLL+18]. -cube [Pan95b]. -cubes  
[SAKOK03]. -D  
[VF18, Kni89, KA88, RBS93]. -dimensional [CFL+18, SW02]. -diversity [SLW11].  
-Expression [Ref87]. -fuzzifying [YH18].  
-gram [ZXM+19]. -Learning [CLL+18a].
-Lop [RGDM16]. -opt [VAS95].
-orthogonal [PP06]. -phase [CEGL01].
-pillbox [HZM14].

.NET [AW03].

06 [Igl07]. 0th [RCMT18].

1 [LF95a, PZY16, Sap88]. 10 [MGH+05].
100 [KSW+13, SW06, WLRL18]. 1000 [SSMG95].
123 [vdR86b]. 1983 [Ano84k].
1991/92 [Ano92a, Ano92h]. 1997 [HB98].
1998 [Lid99]. 1999 [Wil00].

2 [BT93, BP94, FHG95a, HBJ+03, LM90b, Mal94, MK16b, PZY17, Por95].
2.0 [GHLW18, LLMP13]. 2001 [LBR02]. 2002 [DBdL03, GGH+03].
21st [Mar98b, Mar98a]. 234Compositor [NOF18]. 2K
[HSP+13, SKF+11]. 2nd [Ano86h].

3 [LC17, YTHY84]. 3.0 [VEET18]. 3/512 [Cro95]. 37C [Cha14b]. 3P [CGS95].

4 [KSY92]. 4.0-based [FG18]. 4CaaSt [MVG+14].
4K [HKU+11, HSP+13, KSK+11, MBC+11, SST+06, SKF+09, SKF+11]. 4K/2K
[SKF+11].

512 [Cro95]. 57.50 [vdR87f]. 5th [BYV09].

6 [BBvdB+11]. 6000 [BBSV92]. 60p
[KSK+11]. 61850 [YS16]. 68 [BFS+17a].

72 [HYS18]. 7th [BGL08].

84 [Ano84e]. 85 [Ano85a]. 86 [Ano87j].
860 [FHG95a, FHG95b]. 88 [NDZ+18a]. 8K
[KSK+11]. 90s [Dub91]. 92 [GD93a]. ’97 [Kaa98].

AAA [GdLvOT03, KKK07, MLM16].
AAA-based [MLM16]. Aachen [BLB03].
aaService [GMP+17]. ABC
[JFZL17, XLW+17]. ABE
[HQZH14, ZSW+18b]. ability [PIKM02].
Abnormal
[LSL+15, CZXC18, WLZ+14, ZCZ+18].
abnormality [GRS+19]. absolute [HKP10].
Abstract [CPB00, DHH00b, GSC17, Ném00, AC92, BM00, DDV92, DHH00a, DK00, FTD17, WG00, dB90]. abstracted
[AAD+13]. abstraction
[AFS16, KSM+07a, KSM+07b, MRV01].
abstractions [Kaa99]. abuse
[JSMS18, QRW+18]. AC [HMW14].
Academic [Teb86, vdR87f, vdR87j]. accelerate
[RGCL18]. accelerated
[HSP+13, LZX16]. Accelerating
[FRB+14, VBL09, KKL11]. acceleration
[ABF+15a, VF01]. Acceptance
[SAPA17]. Access
[BL13, BX04, DCM15, HRR+14, WZC08, AS99, ASAA18, ABF+03, AMHJ10, BR18, BCW01, CC98, CJK+18, CCM+14, DW11, DAM08, DLDTGMP16, Dog09, FNA11, FX07, FS18, FTM+18b, GHMX10, HZL18a, HCL16, KIS11, LLMP13, LZWX13, LHO17, LLW+18a, LHC03, LZLL18b, MAC14, MYHZ18, MYBBM18, MLM16, Mer13, NRV+17, NJ16, PFRC16, PSVL02, PH07, QTA+18, QCX18, SMSF18, Sin07, CL14, SYK+17, SZR18, Wai84, Wal86, WC06b, WC06a, Wan18a, WG13, YXZG18a, YAX+18, ZZ15, ZCL+18, ZDW+16, ZFH+18, ZMN99]. accessibility
[DFG+00, RMSPP17]. Accessing
[CLH10, YSC+15, YCY10]. accident
[MCA02, PWP+18]. accountability
[HCL+17]. accountable
[WM18b, XX14]. accurate
[BBL+05, FDT+18, FWB13a, FWB13b, IDM+16, KSAOK08, NS17b, WN10].
accurate [CPSD18]. **ACEIS** [GACM17].
achieve [CWD04]. achievements
[Ano87], Nis93).
[DW11, GE90, JLC18, KHG13, LSL05, TSWL17, XX14, ZZ+19, HRJ+06, NJHT11, WCL+17a, WHS+18]. **ACID**
[KJI11]. Acknowledgement
[Ano07, Ano08, Ano10, Ano11a, Ano12a].
**ACM** [BGL08, KZ17]. **ACO** [GPJC17].
**ACO-based** [GPJC17]. **Acoustic**
[KWK+18, CJG+18, FZW+18, HAAW+18, HST+18, TSD18, WCB+18, WTP+13]. acquisition
[BDZ13, XYLZ18]. across
[BCPS03, CTVB12, Lzp+18, LLM+16, LSMVML13, PBC+01, SG17, SFR15, Sin07, TMMVL12, UNM+16, WTR+13, ZZ+16, dIFVPSHL+14, SMSF18]. action
[Cad86, GdBW06, KFP+02, vVDBB98].
actions [ABG18]. **Activated** [SHJ06].
**activation** [SZ+17, ZBL+14]. Active
[BBG+05, CKK+04, KMI11, SFR15, STC15, BGL+05, FGG13, H99, LQK+16, MTK00, XFL16]. ActiveSort
[LQK+16]. activities
[dIFVPSHL+14, vdR87].
activity
[BDE17, CHWW13, CZXL18, GMP+17, HUMA18, HLT+18, MSS+13, OCW14, dSGD13, GMP+17]. Activity-aaService
[GMP+17]. **ActOn** [XCGD10].
**ActOn-based** [XCGD10]. actor [LYW+16].
Actuation [SST18]. Ad
[KKN18, KIAD17, YFY+13, GR07, HHK18, LBYL08, LM07, LLJ+11, MV09, SGGCR+16, SM01a, VCD+18, ZF16].
Ad-hoc [YFY+13, HHK18, LM07, MV09].
AdaBoost [LLS+14]. **ADAMAS** [RM16].
adaptability [HRVW18, MC04]. adaptable
[GL04b, MSE19, PMLVLS+13]. adaptation
[AKM18, CLNR18, FTD17, FA11b, PWB+13, PSBB15, Reu03a, SJ18, SGH+08].
adapted [JLU03]. adapter
[LZL+16].
Adapting [AG05, SPR+10, SJV12, JLRS18].
Adaptation [SLS+09, FM01]. **Adaptive**
[Aba06a, ABF93, AS14, BML18, CJG+18, DP17, EP12, FN00, GRH05, IDJC11, LJ17a, MBS13, MDB+18b, MYK16, NP03, PIP18a, QPTGG+12, RT16, TPBS14, UGBM+17, WLA18a, YMD+13, Aba09, AS02, AEME+18, BMRW01, CZT+15, CST92, CPD+15, CLL18b, CS05, CXC+18, Cho04, CB10, DZ04, DST10, DDD18, DFRW17, DHL18, DLS+12, ESW+17, EKGS14, FTH16, HGG+14, HAP15, HWZL08, HX+18, HJK+04, IKLL12, JNR12, KKB14, KJI11, KSAOK03, KSAOK08, KK10b, KS18c, KU01, LepC12, LHM14, LSTV07, LSL+18, LW18b, LJK17, MdFTGM19, MJRM16, MA+19, NWE04, NDZ+18a, NDZ+18b, NQQL13, PoAF12, PNZ14, PBP16, RSR01, SMG18, SLW01, SYL18, TJJ+15, TSK03, VR05, WCF+15, WXZ+18b, XL+14, YP12, YDD+18, ZCK+15, ZBL+14, ZAC+18, vWMBS14].
Adaptively [YPCK12, CLH10, JDW+14]. adaptivity [SOR05]. **Addison** [Zem86, vdR87]. **Addison-Wesley** [vdR87]. address
[ABF+15a, DL00, GFD14, SVC+07].
addressable [De 88]. **Addressing**
[HNCJ13, ZL12, BFS+17a, BFS+17b, DvdHdL06]. adequacy [CMS+18]. **ADIC**
[HNS05]. **Adjoint** [GKS05, HHG05].
adjusting [Lea13, YYW+16]. adjustment
[HPLL09, LNJ04, TJ18]. **ADL** [Bae14].
administration [MSLP93]. administrator
[HY09]. **admissible** [QPTG+12].
**admission** [Che13a, IS18, KLM+03, MWPVB12, SMA08]. adoption [CR16].
adults [C18]. **Advance**
[CJK+18, DVB14, CFG+05, ET08, TCC11].
Advanced [CSYY18, DO15, GCCPGBGS10, Gil85b, PBP16, PZY16, PZY17, SZGbC04, VLAC+13, ZZLR18, ADT03, ALL+18, Ben99, Cuz14, DFRW17, GHP+18, Hab05, KKL09a, Mam09, ML+11, MVG+14, MFL18, NHG02, NHG03, RRH16, WdL16, YCH19, Ano84a, CMZ95, EGK+07, VO17].
Advances [CLCY18, DPDS14, FBS18, KGVW14, Pal16, TCG14, WQ14, ADL12,
Advantages [SW17].

Advertisement [Ano05c, AMHJ10].

Advertisements [BCM18, NK18].

advisor [CRTN17]. advisory [BDE17].

agile [LG18]. Agility-related [CAC+15]. Agreement [CA18, Par04, PKF14, PRC+14, QMSG12].
algorithm [SO98, SVB07, SYAL13, SLB+17, SJL+18, TDFZ18, TLL+11, TJZ+15, TZZL18, TM+17, TWW+18, TdPF+17, VAdP12, VPT+15, VAS95, VMN+18, WYBS11, WCL+17, WJZ+17, WDD18, WWZZ18, WZ18, WLA17a, WLA18a, WCC14, WWZ18, XY15, XRPT18, YWCC18, YZWG18, YSZW18, YDD+18, ZRL18, ZWL13, ZBL+14, ZRZ+14, ZL18, Zin18, ST11, SM101]. Algorithmic [CCG07, GTEL+18, AB18a, Hab05, WM14, Yos89].

Aligning [DFC+08, DXL+18, AOD10, BAB12, BCDP12, dCCDF015, DVB14, DVD12, DEG+17, EMJ+13, FDPRI17, FEPC18, HMM17, HDLW13, HLL+17, HPLL08, IAL10, JSS+12, KOT18, KK+14, LN13, LPK17, LPK18, LL04c, LWD+14, LLZ+18a, LSL+18, NCS12, PSP16, PdAS18, PPL+15, QMSG12, QPTGG+12, SCMS12, TTH15, TSBH11, VDPHS09, Vau93, WCC18, WY17, WCC+09, YBQ07, YCY10, YSC+15, YLJL18, YCI13, YW12, YMY+17, ZGL+18, ZXZL18, ZB19, YYW+09].

allocations [SM14b], allowing [VRGR16]. almost [LD04], along [DFLO17].

alternating [SM18]. Alternative [BDL06, DFT92]. Alvey [Ano84a]. Alzheimer [NDZ+18a, KKP+05, NDZ+18b]. Ambient [YGS16, FKT14, MLGGB+17, OdI14, TF17, VRGR16]. ambulance [KKS+18a], ameboid [Len01]. among [ELvD+96, GSY+17, LLF+18a, SAGGB17].

amorphous [Ole07], amount [PCB99]. amorphous [LLN+18]. AMPIC [CCHW03], amplified [SLDK03].

AMROEBA [MGY06]. Amsterdam [vdR87c, vDR87e, Ano86, Ano87a, Ano87d, Ano87f, Ano87g]. analyse [Bel16]. analyses [ATdC+16, GCBM17, JHC10, OdO+13, SBA+17]. Analysing [BDP11a, WTP+13].

Analysis [AM17, BBC+17, CMEA+19, KVR15, KCH+13, KKA18, Li15, LRYJ17, MCA+18, MG16, SAKOK03, GSY+07, SB11, WTG+14, ASV+13, A+02, ABB+03, AMW09, ABG17, ASYF18, ABK94, AGKZ18, ATX13, AEME+18, BCT+07, BPP+07, BSRR18, BBC+13, BPS+03, CSV+12, CA15a, CP06, CCRV13, CFM17, CGIP14, CPE+17, Cha15, CHC+17, CLL18b, CRYG18, Cho04, DMC+19, DZH18, DDMPG17, DMM+18, DDL01, DMM14, ETR+13, FAA+18, Fah98, Fer13, FNA16, Fio06, GI07, GHMX10, GAB+14, GL05, GHP+18, GLNT13, GBY16, GRMOSG18, GPJC17, GRS+19, HHL11, HNP05, HK+16, HPP+18, HAM18, HMY14, HLL12, HJK+04, IPCA+16, JBC16, JAA09, JSS+99, KZDLK06, KPS18, KN06, KCV11, KV03, KU01, L+18, LOR+18, LWW+18, LCH+18, LOK09, LGMV02, MLL15, MZH+17, MT17, MK19, MEBA12, MMC+18, MS+18a, MOK06, MLZ+00, NJW+06, NKP16, NJ17]. analysis
and-or [GC94]. AND-parallelism [ZS90].

anddata [CC98]. anddata-parallel [CC98].

AndrODet [MDFTGM19]. Android [MDFTGM19].

angiographic [RICW00]. angiography [DGA18]. RDSA18]. angle [XZ16].

angle-based [XZ16]. animal [KS18d, Mor01]. animation [NMA00].

animations [DK00]. anisotropic [KZC04].

Annealing [GODM98]. VSvD95, Cha11, SZ98].

Annealing-based [GODM98]. annotation [AAF18]. annotation [GMP+16].

Announcement [Ano84b, Ano87a, Ano93b]. announcements [Ano93c]. anomalies [FPR18, RKB18].

[OKF10, OCCK14, PVN12, PBL+18, PH07, DLS14, PTM+18, PPS18, Qin07, RL98, RS16, RAA18, RLM18, RGCC18, SP18a, SOUR05, SOA17, SHN10, SG17, SWW13, SLS9, SK06, TSD18, TBK18, TLSC17, TBNNF9, VBL9, VR12, WJS18, WDJC18, WXZ18a, WSS+09, WZL18, WBF08, WLA18b, WZ16, WLZ19, XTZ16, Yam89, YPCK12, YN18, ZZDM18, ZSX15, ZWXZ18, ZWKL18, ZCZ18, ZWJ04, ZXL14, dACAM13, DDJ18, WHYZ18, WLHH18, ZZH18, PLL18, PLS18, HHD18, ZWWL18, ZCZ18, HHD18, GQLX18, HHZ16, IHA18, KPB18, WSL18, ZWJ04, ZWJ04, dACAM13, DDJ13].

analysts [SOA17]. analytic [MMVP13].

Analytical [JAA07, ZY04, CPGBA16].

Anti [DBT00, DDS00, SH00, TRFR01, TA18, CCL09, DS04c, FZHH14, MCB02, TV16, WZ13, ZHHQ18, Gut00, WP09, PT16]. anti [BBH18, CMZ18]. anti-collision [CMZ18]. anti-unification [BBH18].

AntiCheetah [DLMS15]. Anticipating [Lee15]. Antipolis [Zna94]. ants [MVS00, MC00, WLB00]. AnyLogic [BBK02]. AODV [ASAA18]. APA [JN12].

Apache [CSG18]. FPR18, HSV17]. Apart [GMM18]. APHID [SGK10]. API [BC17, XLL18]. apicalis [MVS00]. APIs [BBC17, RMJ18]. App [PS13, CMVA18, WWH17].

Appearance [RSY18]. appears [Hen87]. appliance [FTK17, KTKN11]. Application [BB17, BR18, BHR98, DRMC09, GEI13, GR518, GZ218, HMM17, JNR01, KMJ16, KKJ10, LOR18, MED16, NB04, PDASM18, PKC05, RMD18, SCL18, SWW13, SCL14, SBA05, KT2008, WMB17, YWA89, ASW11, AHP16, ASTEP98, AKPN01, ABB03, AS14, BMS05, BMFC07, BWR12, BKKM11, CPD13, CHJS10, CPE17, CIN10a, CRB16, CGS95, CW93, CDRS05, CZL18b, DDV92, DFG18, DdM10, DF97, DR05, GVT16, Gra92, GCMC16, GCMC18, HAB05, HIR89, HLM11, IG12, JNHL18, JEB18, KANS18, KOT18, KMK14, KKA18, LN18, LW08, LYL12, LPD05, LOW05, MM03, MAM18b, PO00, PGTB18, PPJ95, RBN13, RRS99, RVC16a, RPMG10, SRZD15, SM03, SEMI11, SAMN02, SII18, SGG1M96, SIN92, SSL13, SSL19, SLZ95, TDFZ18, TOD17, TMW17, VTK17, WLY11,
Application [MS01, YPF05].
Application-aware [RMDB18].
application-based [WWD+14].
application-layer [ZJW+14].
application-level [RPMG10, SRZD15, SEMJ11, SSL13, WLYL11].
application-specific [DR05, KANS18, WBF08]. Applications
[Ano86i, CHK98, CSP98, DDM+08, KLM+05, MG18, PN13, RC18, WHW17, ZJW+14, YY11, ZJW+14, ABS11, BWC+99, FCD+14].

Applications
[Ano86i, CHK98, CSP98, DDM+08, KLM+05, MG18, PN13, RC18, WHW17, ZJW+14, YY11, ZJW+14, ABS11, BWC+99, FCD+14].
applications
[Ano86i, CHK98, CSP98, DDM+08, KLM+05, MG18, PN13, RC18, WHW17, ZJW+14, YY11, ZJW+14, ABS11, BWC+99, FCD+14].

Applications
[Ano86i, CHK98, CSP98, DDM+08, KLM+05, MG18, PN13, RC18, WHW17, ZJW+14, YY11, ZJW+14, ABS11, BWC+99, FCD+14].
HHKL, Ham17, HZC10, HLYW17, HBH09, HK+16, Hol03, Hua10, HQ10, HHZ16, JLC12, JS13, KSS11, KZ+18, KTKN11, KK14, KJI11, KA08, KK14, LBD18, LY17, LJ90, LC05, LJJW13, LX+17, LPY+18, LYW+18a, LWS+12, LSL+15, LHW+18, LCCM18, LKJ17, LGM02, dSMA+17, MD92a]. approach
[ML11, MdOO+17, MCT+09, MZC08, MEBA12, McC96, MLD08, MSB16, MHZK18, MC04, MSS+16, MAB+15, MSM+13, MMRL17, NS17a, NSP07, NJH+18, NGB18, NJKH13, Nos98, Pale13, PC17, PNMZ14, PSY+19, PDW+11, PPB16, PPJ95, PA01b, QZD+18, RAKJ18, RGN+18, RSDA18, RLP12, RW18, SBCF16, SD18, SB97, SZ12, SMS14a, SGJ18, SCMS12, SBA+17, SMM+14, SRKS18, SLL+17, SAC11, TV16, TOS18, TMS+17, TC92, UZ11, UPP17, Var03, Vau03, VGBLGS+06, Ven08, VV16, WN10, WXZL11, YA04, YP12, Yos89, YZ12, ZBCT17, ZYB+18, ZZJY16, ZS90, ZWJ+18, ZL04b].

Approaches [GTel18, HXL90, ALK15, BMU18, BDL06, CMS+18, DL03, EDH+13, Hab05, HHS+18, Meu05, MOFGP18, Pet95, STP+05, SB11, SNXB17, TAHS14, ZZ04].

Appraising [CACC10]. approximate
[DK14, FZT+18, GPS13, MM03]. approximating
[SK04]. Approximation
[Tho06, BTG19, SC16, Tab06].

approximations [Gue01]. apps
[AMRM18, DC18b, WLW18, HXC+18].

AppTCP [WWD+14]. APT [DC18b].

arbitrary
[kHsZwJW18, JLL17, VMSRM12].

archaeological [LKK+16]. ArchaeoSTOR
[GML+13]. archaological [GML+13].
architect
[GLSV07]. Architectural
[GS05, KR14, GBMP13, LTZ15, Niw89, QC16, SSK+08, TZL+18, TS0B15].

Architecture
[CBS17, FP03, GLM+12, Ger02, Her84, HKT94, MBMTJR18, RSRV88, SCL18, ZDL+13, ZLG+14, AKB+01, AG92, AdI14, AGP+92, AMW99, BBC+17, BLO+18, BBG+05, BCC+17, BRH18, Bhn95, BGL+05, BDH14, CST91, CDF+05, CBK+01, CJ14, CWW+13, CWW+16, CS96, DVD12, DGCGH+17, DJ13, EDH+13, ES94, FNA11, FRM+18, GDJ+13, GD10, GD05, GI18, GSY+17, HIA18a, HD016, HH98, HO02, HML07, HML09, JYY+17, KS11, Kat04, KB18, KLB+04, KKK07, Kim07a, Kim07b, Kob92, KGLA85, LG08, LBJ+18, LLW+12a, LKN+13, LFP+17, LHL03, LRC+18, LHBC16, MH01, MVL+18a, MPCAF15, Mar90, MPF+16, MRH17, MHA08, MPPM09, MRS+18a, Mur88, Ném00, OBK88, OFT09, OBG+18, PO00, Par06, PS+14, PSR+07, PSA+09, PBC+11, PPM+18, PMLVLS+13, PSS01, PSBB15, RBGA18, RHPV17, RCP+11, SA07, SZC05, SSS02]. architecture
[SGKC10, SP18b, SD03, SHJ06, TSTD16, TJS18, IS18, IGB15a, CDG12a, WSH+16, WZ16, YAJG+15, YS16, YCX05, ZMP10, GME10]. Architectural
[HLZ+14]. Architectures
[DO15, HYZS16, HV84, P99, TKRA14, VDT12, BFL99, BSC06, BFP18, BW95, BPC+14, BSG+05, CA15a, CDG+14, CG09, CGIP14, CCLI1, CPSRG14, Din91, DLH+17, DDB14, DM12, EBCP18, FFC12, Gil85b, GRCP+17, Her87, IS18, IGB+14, JPB17, JBA94, Kun94, LX13, Lop96, Lop93, MAC14, MCA+18, MSLP93, PSSP16, Pal13, PMCC18, PPFS18, RC18, SGdMM96, SMBMT+18, TR85, UWV92, WBT05, ZMN99, dLB10, vM94].

archive
[Fin99, GML99, ILJ+08]. archives
[AMW99, HC99, SB99].

Architectural Approach [DC18b]. Archeo-STOR [AMW18a, DC18b]. Architectural [ML90b]. Argumentation [LM90b]. Area [AS18a, PP10, AL14, GGH+06, GGSZ09, GG10, HLYW17, LCBF13, LRJ+06, LWSC07, NAGD18, OS01, PSVL02, RRS99, SCS+18, VBLS09, vdR87]. areas [Hab05]. arguing [Sch00]. Argument [SWCL95]. Argumentation [DFKF18, OAMS18]. ARIANE
[BPAP92]. ARIANEXPERT [BPAP92].
Arigatoni [CCL08]. arithmetic [FGG03].
ARM [OBG*18, RRP*14, SGN*17].
ARM-based [OBG+18, SGN*17].
Armada [OK02]. ARMCO [PPB16].
ARMOR [MML*18]. arms [Poh87].
Arranging [Le098, GVdBdL15]. Array
[CCW88, VV92, Mvr88, Pan95a, PHL98,
WHZL10]. arrays [Dui89, EFD00, Van92].
Arrhythmia [SD18]. arrhythmias
[AF0*18]. arrival [WMLS14]. ARS
[TS03]. art [CsZzG*13, SJV*15, Van87b,
VLC03, dCTVC18]. arterial [DIK*06].
arthroscopic [WWSM98]. Artificial
[Al92, Ano84e, Kow85, Sch85, vdR87a,
Ano86l, BZMY10, Che18, CZL*18b, ED04,
EO86, GJKP18, HKW18, How91, HLZ18,
JL98, KRLR01, Kow84, Kor06, Lop96,
MGA*18, Niw89, RRC*18, WL18, XLYW17,
YZWG18, ZNN04, vdR87b, Ano87b, Ano87c,
GKT15, vdR87c]. artistic [UNM*16].
Arts [BHD09]. arry [Pan95b, SAK0K03].
ASA [SCH*17]. ASIP [ABF*15a]. aspects
[AR18, BBvodB*11, BCFS03, CSL18,
LLR994, Lop03, MZC10, QCD16, RGH*01,
WM14, vdV89b]. ASPEN [LM90a].
assemblies [RSA18]. Assembly [KM01].
assess [Kim18]. Assessing [SG15, ZGS*13].
Assessment [P040, vdPGP*16, ABGM19, ACVS18, BBC*17, FJA*18,
KH*18, MLZ*00, PRSR14, PB18, ZL04b].
assigning [HCL*17]. assignment
[ABD018, AAM*16, DLRX14, KMT14,
LTC12, LXD17, LHC03, MC00, RS17a,
RN101, THKG98, TRFR01, TDPF*17,
VAdIP12, Var03, VTTK17, WZM*18].
ASSIST [Ueh89]. assistance
[Ohy89, SOR05, SZD*17, Tak89b, TD95].
assistant
[HIA*18b, KFF89, LCMX16, SNC18].
asisted
[BDS*10, FKT14, HMA*18a, HDLW13,
LLC14a, LKG08, LNY*18, RSK16,
WXYL15, WXZ*18a, ZYZ*18, WLML17].
assisting [SGRT19]. association
[AVP17, EBOY14, LHW*18, RAKJ18,
SA97, ZDW*18]. associations
[GI18, KZCW13]. Associative [CC98,
NSJ4*, SZZ*17, Ami90, CFP*17, WGL92].
assurance [GSC11, LLW*12a, WWR516].
Astronomical [SB99, GML99, OFO*99].
aronomy
[HIJPS03, LBM18, PCM99, SLJ*06].
arophysical [RBS93]. astrophysics
[LKA*19, MGC06, BAJ*05].
asymmetric [CRYG18]. asymptotically
[CKR04]. Asynchronous
[SM01b, AT01, CCL11, DOV01, ESFD06,
MMR02, PsvS17, Pap05, WHCZ18].
asynchronously [SLG*17]. ATLAS
[JJLR18, KVR15, KCH03, Uch86]. ATM
[MK04]. atmospheric
[LN18, PPZ12, WLY*17, ZDL*13, AMK05].
atonic [Bag11, Tor04, POB04]. Atomicity
[WLF*09]. ATOP [SGH*08]. ATOP-Grid
[SGH*08]. ATOS [Lau92]. ATREX
[Tak89a]. attack [AQAR*18, CM17, DC18a,
DCC13, JNH18, KAW12, LSL*15,
NZZ*15, SPT*18, WLYL11, WYJ*18].
attacker [PLGCdF18]. Attacks
[JL14, KIAD17, KPS18, SCL14,
SBB13, TA18, VS13, ZJW*14]. attempt
[SLZ95]. attention [FA*18].
attention-scoring [FA*18]. attestation
[GZW18]. attitudes [RWY*18]. Attractor
[Am90]. Attribute
[CDL18, HK97, LAL*15, LHL15, LLW*18,
RAO17, SH90, SYK*17, WLXZ18, CIK10,
FLT17, GB10, GGM*09, HZL18a, HYS17,
HYS18, JSMG18, LYL15, MWQ*14,
QRW*18, QGT*18, SMSF18, SCL14,
SCZ*14, SHLB08, YCT15, ZCL*18].
Attribute-Based [LAL*15, LHL15, RAO17,
CDL18, LLY*18, SYK*17, WLXZ18,
GGM*09, HZL18a, HYS17, HYS18,
JSMG18, LYL15, MWQ*14, QRW*18,
QGT*18, SMSF18, SCZ*14, YCT15].
attributes [BFS*17a, BFS*17b, VLO9].
Auction [ZBL+14, IAL10, YLJL18, ZZXL18].
Auction-based [ZBL+14]. audiences [PNH99].
Audio [BDMO11, LYXT14, MSK03]. audiovisual [VWD+08].
Auditable [ED16]. Auditing [SK97, BSCC06, LYY+18, YNY+14, YXA+16]. auditor [CPP+18, YYY18].
Augmentation [AGKZ18, GBMR18].
augmented [BB04, KMV+15, RSMPP17].
Augmenting [HMZ18]. AUGUSTUS [SLS+09]. Aura [HHK18]. AusPlots [TSTL16]. authenticated [ODK+17, YZL+18, ZXWA18].
Authentication [ASO14, BDFP05, AMN18, AHM+18, APK+18, Alp18, AKB+18a, BLAN+16, CHS11, ED19, FHZW18, GA+18, GLB+18, HLC16, IOV+18, KVeE18, KLW+16, KLW+17, LC17, LNK+18, LWK+18, LHM14, LH13b, LHL03, LYL15, LNY+18, LWF+17, MCN+18, MR00, PYH+18, PLGMCdF18, SGGCR+16, SCS+18, SYW17, VCD+18, Wan18b, WLS+18, YHL16]. authenticators [SY+17]. Authentication [CBD+05].
Author [Ano85b, Ano86a, Ano87d, Ano89a, Ano90a, Ano91a, Ano92a, Ano92b, Ano93a, Ano94a, Ano94b, Ano95a, Ano98a, Ano01a, Ano02a, Ano03a, Ano04a]. authoring [Tak05]. authoritative [WMA18].
Authorities [HWW+04]. Authorization [GdlvOT03, KWR+13, ABTF16, ACC+05b, BPC+14, CHC+17, CZZ+18, CBFP18, DLLZ17, GDP+09, GvdBL15, GGM+09, HHD+12, LC05, LZX+18, PBC+11, SBL18].
Authorization-security [ABTF16].
Authors [AK18a]. Auto [WLH16, DWS12, EPB18, KTTK17, LCL+18, RSY+18, TV16, dACNC16, vW19].
Auto-encoder [LCL+18]. auto-scaling [DWS12, EPB18, KTTK17, dACNC16].
Auto-tuner [vW19]. autocorrelation [DH16].
Automata [TS99, TA18, BMPS01, Ban02a, Ban05, Bog99, CM99, CBBdL16, DS99, FW02, GZ04, HRSW99, JM02, KCT99, Mar02, PRN14, RGAT18, Ser98, ST99, TSZP99, Wor99, BP02, CDRS05, PIKM02].
Automata-based [TA18, CBBdL16, RGAT18]. automate [TC92].
Automated [AD18, AFO+18, Asu13, Bea03, CPP16, FM01, FTD17, GACM17, GGTRRCC16, GMM18, KHO+19, LJL7a, PKI+18, RBGA18, RHKC15, Stt03, AAF18, CsZzG+13, COC10, GBMR18, GRS+19, Hua10, JBR+16, RSRA18, YPHZ14].
Automatic [Buc05b, CMVA18, HWWT12, Kom89b, LLN+18, MHA09, MCdA16, Reu03a, Rdp05, XZ14a, ZLZ13, ZH17, Adl14, AMM16, ACO1, BBH18, Buc05a, Fau05, GMM18, HNP05, HHG05, HNS05, SK04, SBLT05, TMDZ15].
Automatically [CHSA18, BCF16].
Automating [BJA+05, XLL+18a, MH01].
automation [DDV92, DVJ+15, JBC16, WBLK16, WTP+13]. automaton [Ban02b, DDL01, LPY+18, SKT02].
Automobile [Tak89a].
Autonomic [AHU+19, Erd13, LG08, YVCB01, ASAP+18, BJWZ08, ENC+12, FS07, FLPP05, GAJP18, HCEW17, IGB+14, MSBA16, MTD18, MAB+15, PVN+12, SPMC12, TT+13, TCR+12, Vin16, ZYW+18].
Autonomous [YKL+07, DSBS14, PBV+13, TCCCI11, YP12].
Autopilot [RSP01].
Artostereoscopic [PSG+06].
AV [KK18].
AVU-based [KK18].
Availability [NKP16, ASD12, BCB+07, CBD+05, KFC+07, LSL05, LHV08, LCH+18, RLP12, TSWL17, VCC+12, WLML17]. available [Dn03, Frt14, GVI13, JSS+12, SB14].
Avatar [GC00]. average [NJIF18, YK17].
Average-utility [YK17]. avoid [GL05].
Avoidance [CIU10b].
AVS [WKF03].
AVS/Express [WKF03].
Aware [ABTA18, BLO+18, KIMR15, KV17, RMA+18, SV16, TKA18b, AHEMI17].
CAC+10, CLZ18, CLL+18a, CPP+18, C.dt07, CBK01, CPD+15, CPE+17, CO03, CEGLO1, CKK+04, CGH04, CFL+15, CLL18b, CxzC18]. **based**

[CTT+08h, CCS+10, CLL+14, CYZK15, CWJ16, CJG+18, CLH+18, CLR18, CRYG18, CZH+18, CZZ+18, CY90, CY88, CMP+17, CS12, CB10, CGS18, CGS17, CLK11, CFF14, CSC+92, CDL18, CMZ+18, CZL+18b, CrtN17, CBdL16, DsS98, DZZ+15, DJZ+15, DvdV02, DvO3, DMM+99, Dmg+08, Dck03, DmmP16, DSO8, DnjG17, RdDtmM16, DT93, DrnMC09, DvO3, DrO3, DmmM11, DmD10, DLS+12, DvO5, DCC13, DkFKF18, DsO4c, Dk14, DnP14, Eaa16, EboY14, Et08, Eos6, Emj+13, EgaQO9, EpB18, Ea17, Da18, Ftk+14, Fg18, Fh13, FHy15, Flt17, Fcy18, FJa+18, Fsm+18a, FjJ+18, FvM14, Fsv+19, FhzW18, Ftr13, FepC18, Ftd17, Ffc12, FmsO8a, Fmr05, FlpP05, FkOc11, FwO2, Fwb13b, Fa11b, Fth16, Fcw01, Fpp+18, Fml0b, Fsp+18, GaFog12, GHy+18, Gaw+18, GhwZ94, Gsc11, Gdj+13, Gai3, GslL12, GajP18, GdM98, Gs15, Gck18, GFJ+12]. **based**

[Gmo3, GdLv0T03, GccL18, GpJc17, Gb10, Gpv+18, Gp11, Gbc00, Gra01, Gmp+17, Gik18, Ggm+09, Gw003, Gzo4, GgsM18, GgsS13, Gut00, Hia08a, HO17, HdcK18, Haa88, HhlL11, Hka+18, Hzc+08, Hbo8, Hsm13, HpzL18, Hzl18a, HlL18, HlH+18, Hzw+18, Hlw12, Hap15, Hdo16, HlyW17, Hnk08, Haff99, Haf00, Hjs+99, Hhs98, HczW17, Hbh09, Hhk+16, Hol03, Hys04, Hia+18b, Hlz18b, How91, Hll+11, Hmw14, Hlc16, Hdh+18, Hzz+18, Hmw+19, HplL08, Hz10, Hzm14, Hys17, Hcw+18, Hys18, Hxc+18, Hyf18, Haa+16, Hss17, Hkg+16, Hhs+18, HmC06, Iak14, Imkb89, Is18, Iov+18, Iss+15, Jlu03, Jdf09, JcMpp+18, Jgfb18, Jcss01, Jh16, Jhc18, Jl14, JlQz18, Jfzl17, Jsmg18, Jly+18, Jc09, JEB18, Jun18, Kg01, Kza+18, Knl+18, Kmb+17, Kvk+18, Kkn18, Kkb14, Kff89, Khmb13, Kott18, Kza11, ka08, Krz12, Kid+16]. **Based**

[Kck04, Kim18, Kn06, Kkv+99, Kx11, Kxs+16, Kb00, Karp14, Km+14, KSI7b, Kch+13, Kb16, Klv+18, Klw+17, Kss05, Kp18, Ky04, Lbd18, Lch+11, Lau92, Lee04, Lkg07, Lklf09, LlpC12, Lj17a, Lkcs18, Ly18a, Lj17b, Lbj+18, Leo01, Lj10, Lrw01, Lbo9, Li10, Lk12, LzX13, Lcz+16, Lmc+16, Lsz+16, Lyyy17, Lzl+17, Lfl+17, Lxl+17, Lcw+18, Lyy+18, Lor+18, Lzp+18, Lyw+18a, Lij18, Lnk+18, Lwk+18, Lzh+18, Ly90a, Lmo7, Lsyc18, Lhb95, Ln18, Lvo8, Lwm15, Lwh+18, Lka+08, LjsP05, Lz07, Lsh+11, Llj+11, Lwx13, Lc13, Lls+14, Lwv14, Lyl15, Lcmx16, Lwl+18, Lds+18, Lsl+18, Lxm+18, Lwys18, Lch+18, Lhw+18, Lgy18, Lw18b, Lny+18, Lgzy18, Ls01, Lbu+10, Lkj17, Lc03, Lww+13, Ll16, Lwf+17, LsR02, Lzy+16, Lsf+94, Lmh+09, Mwq+14, Mml+18, Mwl18a, MyhZ18, MsS+13, Mac89, Mjm+16, Mcn+18, Mlc+18a, Mk17, Mph00, Mb10, Mhc14, McsS00, Mvrm08, Mlc18b, Mct+15, Mbm18]. **Based**

[Mgv+18, Mj06, Mar98a, Mld08, Mdb+18b, Msba16, Mpi+18, Mlm16, MhzK18, Mdr17, Mj00, Msx00, Mlw+18b, Mjrm16, Mga+18, Mha08, Mha09, McdA16, Mse19, Myk16, Mor01, Mppm09, Mw12, Mwma10, Mgc+15, MrS18b, Mk95, Nkx09, Nv11, Nnra19, Nma00, Nrv+17, Nsp07, Ncs12, Ns10, Nk18, Ngb18, NhG06, Nlm+16, Nz1+15, Njkh13, NhT06, Nmc05, OdoD+13, Ohy89, Ocd04, Om+09, OP97, Omd+18, Obg+18, P000, Pyh+18, Pngf13, Pal06, PbV+13, Pfrc16, Pcli8a, Ps10, Par06, Pyk+17, Pcl17, Pwp+18, Pbc+11, Pmcc18, PlgmCdF18, Pab+14, Pqbp17, Psy+19, Ptt12, Pps+18,
Benchmarking
[DFGR14, EGCY+06, GVD16, MMLO18, PPS18, Por95, TDBR18, CCD+10, ECA+18, LSB+18, TQZ18]. benchmarks [WYJ99]. benefit [BGV97, MEBA12, MVT+99, SC16].

benefit-aware [SC16]. benefits [KK14, PNGFJ13, VVB11]. benign [WLW+18]. Best
[FCW01, Gra01, IdLR01, PF01, PSS01, SM01a, LBR02, WBT+08, Bru01].
better [FTD17, Mér17]. bi-directional [NCN18, PN13, PPA18, RPA]

ASYF18, BA17, CMEA+19, CCRL18, EET18, GGB18, JGFB18, Jun17, KS17a, KBP18, KLH+18, LIC18, MGL+18,
NNLH18, PNM13, PPA18, RPA+18, SNXB17, SCG+18, VEET18, WSQ+18, WRK+15, WJS+18, WXGM18, YDD+18, YZI18,
ZCY18, ACSV18, BGI14, Bha18, Bu18, CGP14, CCMP18, CZX18, CRYG18, CZZ+18, CSQL17, DJPM18, DLX+18,
EAS+18, FRM+18, FS18, GQXL18, GBY16, GSY+17, HPGM18, Hsu14, kHsZwJW18, HHZ16, HXL+18, IAM+18, JH16, JHC18,
JLC18, KOP+17, KP18, LFP+17, LLZ+18a, LZH+18, LWL+18, LZYC15, LSHW17, LWL+18, MWW+15, MLC18b, MVL+18a,
MPCAF15, MGMT18, NJ17, ODF17, PFRC16, PvSS17, PYM18, PPS18, QGX18, QX18, RTHB17, SB17a, SBA+17, SBD+18,
SZD+17, SSZ+17, TQZ18, TF18, TWZP18, WXPL17, WMY+18, WLHH18, XB14, XFM16, YWCC18, YZG+18, ZYB+18,
ZFS+18, ZHL+18, ZWZ18, ZQB+18, Zhu18, PPS+18, AKP+18, CRW+16, CW16, DX14, GS16a, MCR+16, Sha16. Big [ZS16].

big-data [BG14, ZYB+18, ZQB+18]. Bigdata [WLZ+19]. BigFCM [GGN17].

Binary [FK18, RSRV88, SBCF16, CC98, HXWW18, LLZ07]. binary-search [CC98].
binding [MLL15, MLBS11]. Bingham [Ned06]. Bio [FM10a, ZEO98, Kin18, PMBS14, XZZ+14, ZYW+18, LWHC07].

Bio-inspired
[FM10a, ZEO98, XZZ+14, ZYW+18].
bio-medical [PMBS14].
bio-signal-processing [Kim18].

Bio-STEER [LWHC07]. biochemical [KCT99]. biochemistry [Roa00].

bio-collocations [MMF16]. biofeedback [BDE17]. biogeography [ZL+16].
biogeography-based [ZL+16]. Bioinformatics [MFE+08].
Bioinformatics [SF06, BCA07].

Bioinformatics [DP17, ABM+07, CCM07, CRS+10, EDH+13, KTTC17, MMC+18, SSS02, SBAD+18, SLS+09]. Bio-inspired
[CCMG18, CCLCMG+18]. Biological
[MB01, YD05, Ami90, FGCM07, Kol89, MP02, PB17, SWW+13, WRBG94].

Biologically [Pet95, Men05]. Biology
[LS+07, AV00, CCB08, CSdCM+17, Gue01, K01, SJTG07]. Biomedical
[CRS+10, AIA+18b, CSC+05, CMD+14, DMP16, KTTC17, Ros89]. biomedicine
[ABM+07]. Biometric
[Alp18, KHMB13, AHM+18, BWR12, GEAR13, KZ11, LTJ12, LK12, MR00, NWMG17, Sar18a].

Biometrics
Brownian [GK18, vOB95]. browsing [FGRZ09, FD12]. BSP
[HS98, HLSO06, HM98, McC96, RS98]. bubble
[HIOO04]. budget
[ABP16, CXL+17, WWT+16].
budget-deadline [ABP16]. Buffer
[KD00, SCH+19, WWC+97]. Buffers
[YZI18]. build [BNXds11, LLo3]. Building
[BH13, FKOCl11, HLT+18, KTTK17, LF01,
PWB+13, Ram95, RR18, SGR+09, SW06,
YPF05, dVXb+11, ABMM18, EV98, FS07,
GDRS04, GLSV07, HSS17, LR+14, Niw89,
SH99, VM93, WYN+90, Kos95, Zem86].
buildings [PPS+18], built [GZS14].
builtins [CYB90]. Bulk
[GGLD10, dRRdQGR18]. Byte-code
[LTOT07]. Byte-code
[LTOT07]. bytecode [Ber00].

C [vdR87a, vdR87d, Bu18, LSZ+16, AC01,
BRS04, BEWZ10, CCHW03, LC04,
MDT+18, NK07, WYN+90, ZY04]. c-means
[Bu18, LSZ+16]. C-oriented [WYN+90].
CA [SW02]. Cache
[GSD95, HMC06, BSG+05, CXC+18, DSS98,
DZZ+15, HczW17, HBCR01, Kun94, Lop93,
MVL18b, PRS+13, Tao10, VBS09,
ZW1+16, ZCQ+16]. cached [Yam92].
caches [ADM06, TD95]. caching
[CXC+18, GSP+17, HMA18b, LW18a,
RHMGC14, XWX+17, ZCLW18]. CAD
[Dae95, TY85, TG04]. calculations
[BvdHN+01, Gil94, LF95b, Mal94, ML11,
RMHMG17]. Calendar
[Ano84c, Ano84d, Ano85c, Ano85d, Ano85e,
Ano85f, Ano86b, Ano86c, Ano86d, Ano86e,
Ano87e, Ano87f, Ano87g, Ano87h, Ano88a,
Ano88b, Ano89b, Ano89c, Ano89d, Ano90b,
Ano90c, Ano90d, Ano90e, Ano91b, Ano91c,
Ano92c, Ano92d, Ano92e, Ano93d, Ano93e,
Ano93f, Ano93g, Ano94e, Ano94c, Ano94d,
Ano95b, Ano95c, Ano96a, Ano96b,
Ano97a, Ano97b, Ano98b]. Calendar17
[Ano96c]. Calendar99 [Ano95d].
calendaring [AHP+18]. Calendaneous
[Ano95c, Ano95f]. Calibers [AHP+18].
calibration [HLZ18]. CALIFE [SLZ95].
calm [SCH+19]. CalmWPC [SCH+19].
CAM [Avg00, Sdr99]. CAMAS
[dRSBH94]. Cambridge [YHJC05]. camera
[YJS18]. CAMP [HR+14]. campus
[MFG+14]. can [BGV97]. Canada
[KMCH03]. Canadian [AAB+07]. cancer
[LGS+07]. CANF [FJ18]. canonical [Bu18].
can't [GCMC16, GMC18]. capabilities
[BBBB+18, BBPL05, DGST09, HMZ18,
SD06, WAD+89]. capability [ZCL+18].
capable [PvSS17]. capacities [JLL17, Li15].
Capacity [AMD08, BB17, CMB17, HMH17,
KIC12, RZ16, Bha18, CWL+18, GBRM18,
KMJ18, Tho06, WWC+18].
Capacity-driven [RZ16]. capillary
[APRC16]. capsule [KHO+19].
CAPTCHA [GPV+14, RM16]. capture
[Asu13]. car [BBC+99, KXS+16, LLN+18].
carbon [Tor04, VVC+12]. carcinoma
[MG+18]. card [AHdJF97]. cardiac
[CAC+10, DMM+99, KE85, SWW+13].
cardiological [KKS+18a]. cards
[Ale97, BGV97, CHS11, DQ97, DF97,
HJCD05, NWMG17, SGGCR+16]. care
[ABC+18, CAS+18, MRS+18a, NDZ+18a,
NDZ+18b, Po98, PPAK99, SPS18, BS11,
SAC+10, BGMLS17]. Carlo
[BST+08, CPGdS+13, CPGBC16, DDJ+13, JH16, TMTY05]. CARPET [ST98].
carpooling [HKG+16]. cars [MHW+16].
CartoonPlus [JHC10]. CAS [GI07].
CASA’2003 [IGI07]. cascade [GJY18].
Case
[MW12, SGN+17, AR18, Asu13, BBSV92, CGN18, CFF14, DMPG17, EGCY+06, FGM11, HMA18b, KE85, MMV08, MNC+18, MKS18, MOFP18, RRP+14, RHH08, Rou00, SM101, SB11, VVM93, WX02, WH16, WRCC17, WM07, ZDL+13, ZXL14].
category [GGL18, ZH17]. categories [DRS04]. Causal [HKS18, MFT+17, AMT04, TSW17, ZCT+04]. cause [CPP16, DLW07]. caused [MHW+16].
CAVE [DDS+09, MvLW09]. CAVE$^+$ [WMF03]. cavities [DNJG17]. cavity [CASW05, VVVC04]. Cayley [DR03].
CellML-based [CAC+10]. cells [BPP+07].
Cellular
[Ban02a, BP02, BMS05, Ban02b, CM99, KCT99, Mur88, PIKM02, TS99, TA18, BMP01, Ban05, Bog99, DRS+97, DS99, DDL01, FLPP05, FW02, GZ04, HRSW99, JM02, Mar02, PSL+04, Pud01, Ser98, SKT02, ST99, TSZP99, Wor99, CRDS05].
cemetery [MCA02]. CenLocShare [XCS+18]. Center [BMK+14a, CYH04, GDS18, HD8B18, KAE+18, LN13, LWD+14, LGL+17, LGZ18, LW+13, Man15, MP17, NKP16, SPT+18, VOS12, XDH+17, YPLZ17, YGYW16, ZWJ+18]. centered [ABZK15, AP96, NRR+15]. centers
[AAAQJ+18, AK18b, BAB12, DKK+13, FNCR11, GS16b, GFB+12, GFP+18, Han03, LSYC18, LWW+18, QMGT12, RT15, SDL+15, SLB+17, SLZ+18, TDC+14, VTTK17, WTR+13, WWQ+18, ZHH+16, ZAC+18]. Centrality [LG18, ADVAGF18, GJY18, LXM+18, MBB18, MCSA18].
centralized [XCS+18]. centre [Gal87, BT93]. centred [AMB03, LASL16].
Centres [CAB+18, WCH+18]. Centric
[WSQ+18, APBdI17, AC+18, AT18a, AHM+18, BS17, DGR+15, DMM+18, DDGL15, GZLZ16, GCMC16, GCMC18, JTS13, LKN+13, PIP18a, QG+18, RLL+17, SST18, SZK18, SRKS18, XLL+14, ZW10].
certificate-based [LL16]. certificateless [LHO17]. certification [CB09, JLU03].
certified [LH13b]. CFD [LF95a, LZX16, OBG+18, SL95, WS05, YHJC05].
CGLXTouch [PDW+11]. chaff [KHHM13].
chain [ABMM18, ABGMC19, BDNP13, BBL+05, CL18b, Che18, HHH13, JLQ18, LB3+18, SLL+18]. chain-generated [HXXL13]. chains [JFFD09, JLRM00].
Chalk [GDRS04]. Challenge [KZAI11, BKM03, Her87, Rum99, STMV18, SG11].
Challenge-response-based [KZAI11].
Challenges [Ak98, CCR18, CDFW18, GS16a, GRL11, JCC15, Jun17, MWW+15, SJTG07, YS16, AR17, ALK15, AC10, Ano84h, ALL+18, BHD09, CAC+10, CRSD10, CCP18, CSC18, CBCC+17, EGT05, Eng14, FFC+18, FSO97, FJKK17, Fre94, GFD14, Hul89, KS18b, KAW12, KHC+18, Koi89, KAR14, KBO9b, LGS+07, Men05, NS10, OFM18, PYM18, PDH18, Pet89, RDLM06, Rho89, RLM18, SP18a, SJY+15, SWY+18, VCE+19, WWVJ17, WII89, RMC+18].
Chances [ALL+18]. change [PWB+13].
changes [BJJ+06, BJN16]. Changing
channel [ABS+ 18, CWW+16, DS04b, GQXL18, SWW+13, YN18, SG05].

channels [AJZ+02, Du94a, GHMX10].

Chaos [AIA+18a, XRPT18]. Chaos-based [AIA+18a].

chaotic [GI07, KLoW16, LWK+18]. character [CSC+05, TJ18]. character-based [CSC+05]. Characteristics [YXY18, MPP13].

characterization [ZCT+04, BARM14, KB00, PLGMCD18, VEE18, dSFP+17]. Characterizing [GdVC10, JTB13, JCD96].

checkpointing [Dal06].


check [Che13b, LSL17]. checking [LCXJ18, LY+05, PSS13, RRW+13, SY+17, YZ+15, YX+16].

checkpoint [Dal06]. checkpointing [BCH18].

CPGdS15. 

chargeback [BKS14].

Chem [GAB+96]. chemical [CHW13, MSK07, SLT05]. chemically [DY94].

Chemistry [He03, Bro92].

GAB+96. LjDSH95. ZDL+13. GMB+05.

Chichester [vdR87d].

CHIMP [BCM95].

China [HPZL18, PWP+18]. Chinese [TJ18, ZWKL18]. Chip [MBM18, BFP18, CPSS18, SF06].

chips [MPH00].

CHIS [CCMP18]. choice [BHRT98, SC16].

choosing [AY16].

Cholesky [IST04].

CHORUS [AGP+92].

CHORUS/MiX [AGP+92]. chromosome [hKBB11].

chronic [VFH14].

chronological [MPP13]. Chunk [ZZJ17].

chunking [WLA17a].

CIIAM86 [vdR87b].

CineGrid [DGdL15, GHO+11, KGdL11, LSH+11, WDdL16].

cinema [SST+06].

CioT [GTEL+18, ZZX+19, ZLZ18]. cipher [ZSW+18a].

ciphers [MHY+18, SHJR04].

Ciphertext [JSMG18, Rao17, QRW+18, LAL+15, LHL15].

Ciphertext-Policy [Rao17, JSMG18, QRW+18, LAL+15, LHL15].

Ciphertext-based  [CPE+17, LDY+18, ODdAM07].

cloaking
[NZL+15]. clock [AC92]. clone [SMRM13]. CloRExPa [DL14]. closed [HXY13]. closed-form [HXY13]. CLOSER [CCRL18]. clothing [HXY18]. Cloud [ASAB+18, AAS17, ABTA18, AAJ17, AM17, AKB+18a, ACCD17, AMPZ16, BB13, BdDPP16, BCJT13, BY+19, CLRL18, CHWW13, CRM+16, CDL+16, CPD+15, Cha+14a, CKR16, CDFZ16, DMC+19, DXA14, FMN+17, FSV+19, FPP+18, GAV+18, GJ15, GBRM18, GECZG+18, GMP+17, HMHH1, HMM18, HD+16, HXA+17, HMA+18a, IASK14, FCY15, FM17, FP13, Fr14, FQBCF15, FLR13, FPD17, FPEC18, FPGK18, FKT14, FP13, Fri14, FCD+14, FSP+18, GGTRRC16, GPJ+14, GVBG17, GEG14, GB13, GJGB19, GJ13, GL12, GJP18, GS16b, GF+12, GCCL18]. cloud [GB10, GTS13, GMP+18, GJKP18, GFW+18, GLB+18, GGC18, GGS13, HIA18a, IFM19, HSM13, HGG+14, HQH16, HLL18, HHIH18, HLYW17, HCNT14, HHK+16, HCB16, HNM+18, HZW+16, HYS17, HYS18, HHS+18, IDCJ11, IS18, IKLL12, IGB+14, JAAD+16, JT13, JTS13, JBR+16, JCL+15, JZJ+18, JEB18, JOS19, KS18a, KA17, KC14, KYB+19, KMT14, KKKM13, KAW12, KCS14, KM18, KADJ14, KKLH+18, KACN16, KARP14, KMV+15, KTUK17, KKKM17, KKKM18, KGLY18, KS18c, KLV+17, LBD18, LCH+11, LXD17, LL+12a, LLW13, LCHW14, LKM+14, LLL+17, LPY+18, LLF+18a, LLWW18, LYY+18, Li18, LAL+15, LSYC18, LCL14, LXML15, LHX+18, LW+18, LZYC13, LZYC15, LYL15, LHL15, LCMX16, LPL+16, LSL+18, LDY+18, LCH+18, LNY+18, LZZ18b, LPPB+18, LHBC16, LS+14, MAZH+17, MG14, MG16, MK17, MGT18, MFN13, MHC14, Man15, MCT+15, MAJD18, MK13, MBTJR18, MBD+18a, MHK13, MFG+14]. cloud [MSBA16, MLM16, MHWK18, MVD+14, MR17, MMVP13, MA+19, MDCA16, MSEA19, MS13, MKY16, MWW18b, MCG+15, MBV+15, MCPP16, MGG16, NAL16, NRV+17, NCS12, OD+13, OAD+17, PZA18, PBV+13, PC18a, PN+12, PLA18, PFPJ18, PKY+17, PPS18, PBA18, POJ+16, PTM+18, PPB16, PK+18, QCJ17, QC16, RGAT18, RT16, RZ16, RT15, Rao17, RS17a, RP18, RHVP17, RMJ+18, RTS+16, RGVGSZS14, RMHMG17, SRZD15, SB14, SJV+15, SHRE16, SBD+18, SBK+16, SJTN18, ShAl16, SL+15, SY+17, SAR18b, SV15, SG14, SKS17, SRK18, SM18, SYK+17, SB16, SBP+17, SMS13, SBL18, SMZ+16,}
Cloud-aware [GJ15]. Cloud-Based [Hxa+17, AMPZ16, CPD+15, FFP+18, GMP+17, LOR+18, YARH18, ASO14, BDE17, CFL+15, DMPP16, EPB18, GGC18, HLYW17, HKH+16, LCH+11, LSYC18, MK17, MKY16, MCG+15, PC818a, PKY+17, TKA+18a, TYWZ18, WZZ16, WJS+18, XKB18a, XTT18, YMW+18, YN18, ZZXL18, PMS18]. cloud-computing [ZLZ13]. cloud-connected [RHPV17]. cloud-distributed [AB16]. cloud-edge [CFG+19]. cloud-enabled [TOD17]. cloud-end [DJ+15]. Cloud-Fog [PDH18, MWL+18b]. Cloud-FuSeR [SMZ+16]. cloud-hosted [YKK13]. cloud-integrated [FCD+14]. cloud-native [TBB+17]. Cloud-of-Clouds [WLML17]. cloud-oriented [FTK14]. Cloud-P2P [SYL18]. CloudFlow [ZME+15]. CloudGrid [CCRV13]. CloudIntell [MAY18]. cloudlet [ZGL+18]. cloudlets [Lok12]. CloudURB [SG14]. Clouds [GLNT13, GGA+17, KSF+13, LX13, MG18, MAD+16, PMLVLS+13, SPJSR+17, WRK+15, APAZ17, AMGCC18, AK14, ASB18, AEME+18, BL15, CLRL17, CTB12, CGBAP18, CRK16, CB16, dCCDFo15, CRTN17, D16, FWHB13a, GCBM17, GGSZ09, GZWQ13, HZZ+14, HBN+13, HFT+16, HK+18, Kh18a, LZ10, LLC+14b, LMZ+14, LGY+16, LLZ+18, LLL+12b, LPV+16, LSHW17, LWZ18, LPD+13, LYW+16, LL16, LSMVLM13, MJM+16, MJDN15, MGV+18, MG+17, MDD15, MG10, CG18, PFR16, QT+18, RMVC+10, RMCMD12, STMV18, SEMJ11, SSL13, SBA+17, SJV12, TZST14, TLS17, TdPF+17, TGB18, TSB18, TCN+16, VV13a, VHML11, VCKB12, WHS+18, WG18, XSM15, XJWW15, YLJL18, ZQB+18, ZB19, cCTVC18, dOOO+13, AN13, ATX13, CVKB12, WLML17, YMY+17]. CloudSME [TKA+18a]. CloudSNAP [MGLPPJ13]. CloudStore [LSB+18]. Cloudy [BFN18]. CloudFlows [KOP+17]. Cluster [BB13, BJ02, CWJ16, DT08, KV17, OSH96, WX02, Aba06b, ACML05, BL98, BARMB14, BYL+18, CDG+14, Cho04, DZ04, DVVD02, EMHE18, FrA08, G05, GCV+14, G002, H01, HLL17, JAA09, KZ17, LSLS05, LZWX13, LLJL12, LKTC14, MNS12, MFG+14, MM03, MGLV04, NSD12, RBJ+13, RG04, STH+98, SMI01, SMA08, STC15, SMD14b, SBP+17, VSM02, WKC+13, WHW16, WJS+17, YJA03, YLHJ14, ZJWZ04, dACAM13]. cluster-based [BARMB14, LZWX13]. Cluster-group [CWJ16]. cluster/datacenter [LJTC14]. Clustered
Clustering
[BF18, GBY16, HO17, LJ17a, LHJ18, Mic97, PC18a, TF18, ZWHC17, BK16, BCF16, Bu18, CJ14, CdS15, CSP13, DB99, EP13, FGM11, FT07, GPJC17, GNGG17, KCK04, hKBB11, KP18, LBYL08, LZG12, LSV+18, NK17, RCM17, SV16, STP+05, TTC+14, WCL+17b, XZZ+14, ZM97].
Clustering-based [LI17a]. Clusters [MG10, PB95, AH97, ADA12, ALM+10, BC15, BBSV92, BL13, BLO2, BPC+01, BTM10, CRM+16, CRE01, CP17, CSdCM+17, CB9A15, CG02, CKFJ06, CEGL01, ELV+96, FQBCF15, Fer96, GC97, Go00, GVD+03, JBP+18, KSS11, LP01, LLZ+18a, MJM+16, MTKS00, MLS01, OB04, PK11, PCG+06, PL96, RH80, RT06, RDML16, SVC+07, STTK03, SD03, SK12, TC06, VV11, XDHL12, YIA17, ZG9B+17, ZBCT17, ZTD+18, SZGC04].
Clustering-based [LI17a]. Clusters [MG10, PB95, AH97, ADA12, ALM+10, BC15, BBSV92, BL13, BLO2, BPC+01, BTM10, CRM+16, CRE01, CP17, CSdCM+17, CB9A15, CG02, CKFJ06, CEGL01, ELV+96, FQBCF15, Fer96, GC97, Go00, GVD+03, JBP+18, KSS11, LP01, LLZ+18a, MJM+16, MTKS00, MLS01, OB04, PK11, PCG+06, PL96, RH80, RT06, RDML16, SVC+07, STTK03, SD03, SK12, TC06, VV11, XDHL12, YIA17, ZG9B+17, ZBCT17, ZTD+18, SZGC04].
CM [Ma94, Por95]. CM-2 [Ma94, Por95]. CM2 [CH95]. CMPs [MV18b]. CMS [RAA+18]. CNES [BT93]. CNN [RBGA18]. Co
[DXL+18, PW09, ANo84i, DVB14, DBD+14, GS15, YCY10, YSC+15, LLS+14, YYW+09]. Co-AdaBoost [LS+14]. Co-Allocation
[DXL+18, DVB14, YCY10, YSC+15, YYW+09]. co-design [DBD+14].
co-operative [ANo84i]. co-processor [GS15]. Co-scheduling [PW09]. Coalition [KIMR15, FX07]. CoAP [GCK18].
CoAP-based [GCK18]. Coarse
[Vre88, VF01, SJ18, TTK+14, Vre89]. Coarse-Grain [Vre88, Vre89].
coarse-grained [TTK+14]. CoCaMAAL [FAT14]. CoConut [Reu03a]. CoConut/J [Reu03a]. code
[BP01, BST+04, DR05, DMN+05, GKS05, GL95, HD96, HL+17, IJLC03, LT07, LL14a, LLZ07, LN94, OBG+18, PSK+10, RB93, SJ14, SLZ95, WMJ18, vW19].
codes [EBCP18]. coded
[LLWN04, PWMX17, XWM18]. Codes [SVAS01, BB08, BVDF00, Dal03, GIM16, LP04, LRW01, Niw89]. coding
[CMM98, HJK+04, LSD11, LYS12, SMC99].
coefficient [SLD+18]. coefficients [Tab06].
coevolution [LD17]. coevolutionary
[CZY+18]. Cognitive
[MK19, ASAA18, AS18b, BKS+18, BMK+14b, CLH+18, Che18, HM+19, HQ07, NDZ+18a, NDZ+18b, TSD18, WLZ+19, ZY+18, GT+18]. coherence
[MVL18b]. Coherent [Tu04]. COHESION
[SBHD08]. cohesive [QC18]. Collaboration
[ASW11, DP014, GF14, BJ+17, BAPS14, BP10, HK+11, HLL+11, HYS17, HYL+06, LHZ+18, OPT+17, RMA+16, SS04, SKF+11, SLK03, UNM+16, WTP+13, YLJ+17].
Collaborations [TAB+18]. Collaborative
[BG1+06, BDF+16, BLAV06, HGM15, HAM18, SZP00, TWC+06, WWTF18, WYL+18, BNXS11, BPS+03, BDM011, CPE+17, CSL17, CMP+17, DMPP16, DFRW17, DV13, DPS16, DKFF18, FLR+16, GMP+16, GP09, HB09, HAB+06, IGB+14, KZA+18, KPB+03, KKB18, KIAD17, KW16, LPC+15, LCL+16, LCW+18, LQLX10, LGS+07, LHCC18, MZH+17, ML11, MVG18, MOBD18, MED16, NRR+15, PS10, PDS+11, RW18, RJH+09, RRH16, SHBP10, SCY01, Sip12, SCL14, SLW01, VGBLS+06, VWD+08, WC12, WL11, YLC+06, ZL13, ZCZ+18, ZRZ+14, ZL04b, ZBF14, dFVPSHL+14, FGG13].
collaboratively [GZS14].
collaboratively-built [GZS14]. Collaboratory
[BAD+05, LR+06, LJS05, SGP+09, SB10, KFP+02]. collapses
[KMC18]. collapsing [AB18b]. collection
[DGC+17, HM18, HYS+18, PPS+18, TST16]. collection-processing [PPS+18].
collections [AF07, GB99, YDK11].
Complexes [CGV10]. COMPLEXIS [CCRL18]. Complexity [GMMM18, ABP16, GVURIVBV14, TWW +18]. Compliance [SS17, HHL11, LCCM18, Niw89]. Compliance-based [SS17]. compliant [LLCF11, SYT09]. complicated [LHC03]. Component [BR18, SAPA17, AAC04, BKSS02, Fio06, GW01, HIA18a, Lee04, LKG07, LASL16, LTZ15, Par06, PSS01, PSBB15, Res03a, SV11b, Tak05]. Component-based [SAPA17, BKSS02, LKG07, Par06, PSBB15]. Component-oriented [BR18, Tak05]. components [CY88, DD05, KSS11, Kom89b, L150a, PA01a, WSTW87]. Composable [LFP +17, ÖE13]. composer [BGK +05]. Composing [RBC +15, Kom89b, PADD03]. Composite [AM17, Lin18, AT11, BRM04, OCW14, WCC +09, ZMJ +06]. composting [NOF18]. composition [Ad114, BML18, FTD17, GMM18, GJGB19, GBA +09, JGFB18, LPMY18, LJ17b, LWS +12, SJ18, SDC11, TS0B15, TSTD16, UGBM +17, WZ13, XMS15, XLW +17, YKL +07, ZZ09, ZZLH18, LKA +19]. compositional [dSMAdR +17, VR05]. Compositionality [dB90]. compositions [Lok12]. Comprehensive [Tao10, HHK +16, NJKH13]. compress [NS17a]. Compressed [JL14, ML17, BD18]. Compressible [KN06, Ano96b, LF95b, RŽDM01]. compressing [JDW +14]. Compression [GL99, CCD +19, CPD +15, DHW +17, DQ97, HSP +13, IASK14, KCK+04, KKV +99, OSC14, SMC99, SMS16, YZWG18]. compressive [GSY +17]. Compromise [CLK11, CompSci07 [AC10]. Compulsory [QRM +18]. Comput [BS +17a, Cha14b, HYS18, KSM +07a, MR04b, NDZ +18a]. Computation [Ban05, CASW05, DE03, Fre94, AAC04, AHU +19, Amo06, Bal16, BCFS02, BDHK06, CAPG18, CWJ +18b, DT94, EHT10, EL98, GEAR13, GBA +09, GPH +94, HWS07, HHSW92, HHK18, KGLY18, LLJ +11, LLM +16, LSAM13, MCT +09, PB18, SD02, STC15, SLO +05b, VV16, WMK16, WLXZ18, dITK92]. Computational [AC10, ABMS05, Bis96, Bro92, BDS +10, Bun03, CH04, Joh02, Jun17, MCSS00, MGYC06, MVAS89, MR04a, MR03b, MvLvW98, Pet89, RG +01, TS99, Tan02a, VMvW97, XA10, ABG02, AB +07, Ald89, ABF +03, BMT12, BKM03, BFR05, BLB03, BL15, CM99, CBBC +17, CH95, CG +10, CRK04, DVB14, DLS +12, DT08, EGK +07, FGG03, FvLTT98, GKT15, GS +18, GPS +17, Han03, Hua10, Hu89, IAL10, Joh89, JNPY06, KH13, K11, KK +14, LL04c, LW08, Lort03, LPS05, LAH10, Lop03, MFN05, ME05, MHA08, MvWvL99, NHP +88, NP03, OK02, PIK02, Rho09, RM11, SP +17, SMK05, SST17, SHJR04, SLL12, SL97, SGH +08, SKS17, SR18, TMT +07, TBK +10, TV08, VDPHS09, WFC07, WL05, W013, W189, WCKW10, W10, YD05, ZZDM +18, ZCW +04, CCHW03, GB +05, KFP +02]. Computationally [VCD +18, DST10, Pet95]. Computations [VV92, AQB15, BBSV92, BBJ +06, BST +08, HCW +18, KL02, LF95a, SK12, Szu98]. Compute [GGSZ09, BGR +99, SBLT05]. Computer [AKW90a, Ano86i, CT09, CD99, DPDS14, Ig04a, Ig07, JO11, KI89, NGH03, Slo06a, Slo06b, St93, Zin00, vDR03b, Asis88, ADAAD12, ASB +18, AKW90b, Bhu95,
BLB03, BDS+10, Bur02, CAC+10, CRsdS10, CEJK94, Dal03, DRNMC09, Fur92, GMLGB+17, Her87, IXL90, JBP+18, Kal94, Kas85, KB92, LC01, Lin84, LW+13, LSF+94, MJ00, MGA+18, NSSA+14, PO00, Pri95, Pug97, SEH99, SL07, SBLT05, Tak99, TDL05, WG91, Zad87, ZGC00, vM94, vdRh94.

computer-assisted [BDS+10], computer-integrated [WG91].

Computerized [KKP+05]. Computers [GMM18, Her84, Ano86i, CST92, CS93, DRNMC09, DD06, Omc91, OP97, Pad92, RN01, ST99, vdR86b]. Computing [AR17, ADALZ14, AT02, ABP18, Ama88, Ano89, AKB+18, BB13, CMA11, CDF+05, DXA14, FSV+19, FVFA98, FBS18, Gen95, Hel16, HB98, HY03, Kow85, KFBK14, Lid99, LW+13, MGR11, Mes02, OFMZ18, OSH96, Pal16, PN13, PZY16, SG95, SAPA17, SG14, SPK14, WRK+15, WZM+18, WSM+15, Wl00, WXGM18, XDWL15, YHL16, YWZ+18, AvLR92, AZH18, Aba06b, Aba09, AHS+18, ABMC18, AN16, AJY15a, ABG02, AGCt02, ACC+05a, ABS11, AB01, AMD08, ASW11, AMH04, ADLW12, AFF+09, ALK15, AL18, AGMCC18, AG05, ARB12, Ano90g, AB03, ADDB18, BGL08, BJ12, BBWB+18, BAV16, BM16, BLD98, BBG+05, BK5+18, BFS+17a, BFS+17b, BBC+99, BYL+18, BKG05, BAB12, BR92, BOP+14, BDZ12, BKY18, BS94, BT17, BDPP16, BCE18, BKB18b, BB12, BDMO11, BCM+95, BJ02, BYV+09, BR10]. computing [BRHH18, BCB+07, CMZ+12, CPDJ13, CLR18, CHWW13, CGB+12, CA15a, CLCMG+18, CPF+13, CLZ18, CTG07, CTF+99, CTR+17, CWD+08, CDDR17, CMT16, CGH04, CC11, CKR16, CLL18b, CWJ16, CXL+17, CHL+18, CCY+18, CW13b, CLCY18, CGJS18, CC09, CTMO06, CCCT14, CBLS13, CFG93, CSP13, CS09, Cuz14, DMC+19, DJZ+15, DHB02, DST14, DLR+09, DDD18, DVVD02, DSD+11, DL03, DRS+07, DDK08, DDM+08, DR99, DSS07, DT08, DDB14, DWS12, DHC+17, DCMW17, EAS+18, ESFD06, EW97, EMJ+13, ESPP01, EA17, GLR13, FRB+14, Sou91, FP14, FP13, GHY+18, GVGB17, GVBI3, GAW+18, GJS+94, GGH13, GS05, GDJ+13, GI15, Gl94, GL95, GCCL18, Go90, GB10, GMP+18, GAB+96, GZWQ13, GNGT05, GTMZ17, Ha05, HFM19, HMS13, HAP11, HBC+03, HZC17, HKPT10, Her91, HMZ18, HMA18b, HNO+18, HMW+19, HZ10, HYS17, HYS18]. computing [HXC+18, HMP04, HG92, HKP10, IT05, JHK+06, JAA07, JAA09, JSMG18, JNPY06, JM01, JEB18, KNI+18, KMB+17, Kar01, KANS18, KZH17, KKKM13, KB18, KMI11, KAW12, KMB+02, Kim07b, hKcF09, KMI18, KLM+18, KAC16, KV09, KJI2, KHI18b, KB09a, Kos95, KMK+15, Kow84, KGLY18, KJ18, Lan01, LSL05, LWHC07, LSB+18, Len16, LPK17, LPK18, LXJ17, LXJD18, LYMZ09, LS10, LL+12a, LCHW14, LK+14, LFP+17, LLH+17, LSI8, LW18a, Li18, LOJ+07, LCL14, LC15, LMX15, LH+18, LDSH95, LJJW08, LZYC13, LYL15, LHL15, LPL+16, LDY+18, LZL118b, LZL+18b, LPPB+18, LSJ+14, LSL02, LSH07, MWW+15, MLC+18a, Mal01, Mal02, Mal05, MI01, MKH13, MEBA12, MGMT18, MMC+18, MRH17, MPR+16, MSS+16, MLSF16, MSE19, MGA+19, NSS99, NR+17, NCCS99, NSSA+14, Od14, ODK+17, OB17, OF07, Ole07, OS01, PZA18, Pal13, PdSM18, PWW03]. computing [PMMA13, PGTB18, PMCC18, PSY+19, DLMS15, PP06, PPB16, PZY17, PPLL17, PS13, QRW+18, RGN+18, RGAT18, RC13, RBN13, Rao17, RR18, Ray05, RBS03, RLM18, SB14, SH09, Sar02, STH+98, SPJ17, SBB+10, Shi04, SG13, SSZ13, SSB+09, SMM+14, SBD+18, SLS+09, SYK+17, SVJ12, SD07,сте94, SRCR97, SG15, SBA+05,
computing [dSGD13, dACAM13, vKvWD13, vdR87e, vdV89b, AHL11, CC11, CF09, LLAH13, MGR11, SR03, SGN17, YXA18].

computing-enabled [LW18a].

concatenation [HRJ06].

Concepts [OFMZ18, PSS01, TAB18, Ano86i, Ano96a, Ano96b].

Conceptual [FJY06, CIK10, UZ11].

consideration [GGLW18].

considerations [CGL08].

considering [KMJ18, WMBV17, ZZH16].

Consistency [GSD95, GVST14, HKS18, LLKF09, OB04, PY00, ZSP17].

Consensus [CFGM16, MMF16].

consequence [OA17].

Conservation [IS06, Mat18, PPMM18].

Conserved [DCS07].

Conserving [NQQL13].

confidence [DCC13].

confidence-based [DCC13].

configure [KPM18]. Configuring [BYL18].

confirming [Niw89]. conflict [WCH18].

conflict-aware [WCH18]. conflicts [DR15].

confluence [SISGS18]. Congestion [Ciu10b, DBH18, MBM18, KXS+16, LTN10, MWVPB12].

Congestion-aware [MBM18].

conjugate [Cro95].

Consequently [BM18].

Confirming [KPM18].

confirming [BYL18].

conflict [WCH18].

conflict-aware [WCH18]. conflicts [DR15].

confluence [SISGS18]. Congestion [Ciu10b, DBH18, MBM18, KXS+16, LTN10, MWVPB12].

Congestion-aware [MBM18].

connect [Cro95].

Connected [BRH18, LYC18, RHPV17, UWV92].

Connection [BS91a, BS92, DFSZ88, BB85, CH95, Por95].

connections [LPE08, Shi92].

connections-preserving [UM02].

Connect [EGK07].

Connection [BRH18, LYC18, RHPV17, UWV92].

Connection-aware [MBM18].

consideration [GGLW18]. considerations [CGL08].

Considering [KMJ18, WMBV17, ZZH16].

Consistency [GSD95, GVST14, HKS18, LLKF09, OB04, Sip12, TSWL17, ZW10].

consistent [PY00, ZSP17].

consensus [CFG16, MMF16].

consideration [GGLW18]. considerations [CGL08].

considering [KMJ18, WMBV17, ZZH16].

Consulting [KPM18].

Consistency-preserving [UM02].

consolidation [WS13, ZFW14, ZLL16].

Consolidation [ADBO18, CFF14, FCR11, HME17, HZZ14, IDM16, JFZL17, KCV11, LYYY17, LYYY18, LLWW18, Man15, MP17, RT15, TDS16, WCC16, WLA18a].

Consolidation-aware [WCC16].

constant [KHJ10].

consistent [PY00, ZSP17].

consolidation-aware [WCC16].

constant [KHJ10].

ConsStanza [PDDS10].

counter [APAZ17, ANE13, ABP16, AB17, ABN17, AB18c, CXL17, CLM14b, DD05, DSCJ18, HY09, KCK16, MJDN15, NK15, PFMC04, SSL12, SGJ18, TLL11, VVB13a, Ven09, ZYB18].

Constraint [LPMY18, SSG17, DQL15, DKFKF18, FCY18, GPS13, Hal88, LYYY18, TSTD16, WL10, XJY18].

constraint-based [DKFKF18, Hal88, LYYY18]. constraints [CSL18, FX07, GQLX18, HZC18, Li18, LD17, LYT+05, LPL+16, LTZ15, NP03, SZK16, SL87, TSB18, TWM17, WZWC18].
Construct [HPZL18]. Constructing [CFL+18, ZZL+10, GNGG17, HQ10].

Construction [KMZJ16, BJWZ08, CPB00, DPS16, LLS+14, PRX14, TWZP18, TM05, YJAO3, YPHZ14].

Consumer [GMCM16, GMCM18, FFC12, HMA18b, ZL18]. Consumer-centric [GMCM16, GMCM18]. consumers [CAC+15]. consumption [BDM11, CRB+16, IPCA+16, LCZR12, DPBK16, MPF+16, VGC+13, WOPW13, ZAC+18]. contact [NED06]. container [KS17b, LGMV02, PMCC18]. container-based [KS17b, PMCC18].

contaminant [RS99]. contamination [ST09]. content [BA17]. Content [ARP14, EGAQ09, GC00, WSQ+18, AAF18, BCR+12, De 88, DFLO17, DS08, FLT17, FM08a, FM08, FR08, GVI13, HCC+14, HLDW13, LLMP13, LMZ+14, LLF+18a, LZP+18, LLWW18, LPE08, MM08, NKO09, OCDAM07, QP08, RLL+17, SMA08, SYT09, WLA17a, XWJ+16, ZIN00].

Content-based [EGAQ09, FLT17, OCDAM07, QP08, SMA08, XWJ+16].

content-defined [WLA17a]. Contention [BS09, KIMR15, DLXR14]. Contention-Aware [KIMR15].

Contestation-based [BS09]. Contents [ANO01b, ANO05a, ANO05b, ANO11b, ANO12i, ANO12b, ANO12c, ANO12f, ANO12g, ANO12h, ANO13a, ANO13b, ANO13c, ANO13d, ANO13e, ANO14a, ANO14b, ANO14c, ANO14d, ANO15a, ANO15b, ANO15c, ANO15d, ANO15e, ANO15f, ANO15g, ANO15h, ANO15i, ANO15j, ANO15h, ANO15i, ANO15j, ANO16a, ANO16b, ANO16c, ANO16d, ANO16e, ANO16f, ANO16g, ANO16h, ANO16i, ANO16j, ANO16k, ANO16l, ANO17a, ANO17b, ANO17c, ANO17d, ANO17e, ANO17f, ANO17g, ANO17h, ANO17i, MSM+18b, SKS+18].

contests [WXYL15]. Context [ABTA18, ACSV18, ZGZ+10, AGA16, BN17, CHY+18, DMG+08, FG18, FNA12, FD95, FKT14, GA13, HSB+18, JOSD19, LG08, Lok12, POJ+16, PEG05, RMSPP17, SGY+07, SM01b, TCB+17, UGBM+17, WYH+17, WYL+18]. Context-Aware [ABTA18, ACSV18, CHY+18, FKT14, Lok12, UGBM+17, WYH+17]. context-cloudlets [LOK12]. context-sensitive [JOSD19, WYL+18]. contexts [XYLZ18]. Contextual [ABTA18, ACSV18, CHY+18, FKT14, Lok12, UGBM+17, WYH+17].


continuity [TH01]. continuum [DS04c, PLGMC+18]. contributions [Ser95, ALFR16]. Control [ABF93, BT93, BL92, CLL+18a, CDL+16, KESL17, YLWW18, AHP16, ATT96, AR98, AMHJ10, BR18, BM03, BX04, Che13a, CYZK15, CZM+18, CZZ+18, CJK+18, CSC+92, DCM15, DAT03, DL03, DLDTCB15, DHH18, FJL+16, FNCRI11, FM05, FX07, FS18, FM10b, FSM+18b, GHMX10, GZLZ16, GWO03, GY90, HLW12, HV92, HX90, Hua10, HDB18, IS18, KLM+03, KKS+18a, LHI17, LHC03, LZZL18b, LLZ+18b, LOP03, LCO3, MYHZ18, Mam09, MM10, MLGGB+17, Mer13, MLW+18b, MWPVB12, NRV+17, NWL17, NJ16, PWWD18, QCX18, RM18, RSR01, SMA08, SMSF18, SCL14, SYK+17, SPC09, SZR18, TDC+14, TG07, TV16, VFHB14, WC06b, WC06a, WZC08, Wan18a, XSSM15, YXZG18a, YA02, YAX+18, ZYK17, ZCL+18, ZFH+18, BL13]. control-Application [BR18]. control-theoretic [FJL+16, HUA10]. Controllable [FH13, YD18, GZ04]. Controlled [BP02, GFR+06, DSS98, KKP00].
controller [FJL+16, Röb05]. Controlling [GCD+18, HAAH05]. controls
[EV96, EL98, QTG+18]. convection
[JNR01, Ta06]. convection-diffusion
[JNR01]. Convenient [BKL01, WHYZ17].

Convergence
[Kim14, SPS18, CDF+05, Gut00, LJJ18].

Convergent [MFT+17, TSWL11].

Conversion [AC01]. conversions [Rus90b].

Convert2Java [AC01]. Convex [SSMG95].

corner [HTL+03]. Coordination [THN+06, FTP14, MSBA16,

PA01a, Pap05, Pro07, WKT00].

counter [CTVB12]. cope [ZCS+16].

Copernicus [PPLL17]. copies [Dup90].

copilot [PWP+18]. Cooper [SK97].

copy [DS00]. copy-hybrid [DS00]. coral

[FEPC18]. coral-reefs [FEPC18]. CORBA

[Lan00, LRW01, LDS06, LLRS02, RdsH+00].

CORBA-based [LLS02]. Core

[HT02, TAB+18, CKFJ06, EDH+13,

HAF+16, HYZS16, JLY+18, LC14, LLG+16,
LG16b, MWYC12, MAC14, MCA+18,

MB18, MGMT18, MCF+11, MMRL17,
PSPP16, PLL+18, PSLZ18, PK11, PRC+14,
QZM+18, RS17b, SK18, VD16, WJZ+17,

WSH+16, YM13, YLJ+17, YZ12, ZAB15,
ZLG+14, ZHQQ18, VK17]. CoreFlow

[KBdLG18]. cores [Eng14, HLZ18]. corner

[HTL+18]. correct [GPA96, Pro07].

correction [KDHP16, KA88]. correctness
[MD92b]. Correlation

[FAA+18, GJY18, GHP+18, YL18].

correlations [LD17]. Correspondence

[DMN+05]. Corrigendum

[BFS+17a, Cha14b, HYS18, NDZ+18a].

corrugation [LSZ+18]. CoSHE [PMDS18].

COSH [RD14]. Cosmic [NMZC06].

cosmology [LB03]. Cost

[APAZ17, ALK15, AK14, BKKM11, GR07,

KV17, MFN13, MEBA12, WMX+17,
ZQB+18, AL18, BSE+13, BG05, CRM+16,
CHA18, CWJ+18b, CSQ17, DMC+19,

DR18, GBS10, GD10, GSE16, GE90,
HGG+14, KK16, LGY+16, LGL+17,
LEW19, MJDN15, MFG+14, OCCK14,
RS98, S02, SHJR04, SGJ18, SBA+17,
SDD+09, SK05, SYA13, TDS16, VVB13a,

WY17, ZXZ18, de 94]. cost- [MJDN15].

Cost-aware [ALK15, GS16b, HGG+14].

Cost-benefit [MEBA12]. cost-constrained

[KCK16]. Cost-effective

[GR07, WMX+17, CWJ+18b, CSQ17,

DMC+19, KK16, MFG+14, SBA+17, WY17].

cost-efficient

[CRM+16, GD10, SGJ18, VVB13a].

cost-optimal [BG05]. costs

[KACN16, MD12]. count [XWX+17].

counter [DLDTGMP16, VOCHC17].

counter-forensic [VOCHC17].

counter-measures [DLDTGMP16].

countermeasures [FAA+18]. counters

[CLP+14]. coupled [BC17].

couple [BC17]. coupled

[AGP*92, BC15, BDNP92, Kim94, LLS+14,

MD92b, MR04a, Mis92, SMK05, ZCT+04].

Coupling [BC15, HNS05]. couplings

[PM14]. Courier [AT18b, ZFW14]. course

[BLB03]. coverage

[LWH+18, LZG12, MLL15]. COWB

[DMPP16]. CPFL [AHEM17]. CPRS

[LCH+11]. CPS [FSV+19]. CPU

[ASB18, BBMG10, CDG+14, DLS+12,

GJK+12, IPCA+16, KDHP16, KANS18,

KAEC+18, MBB+18a, RBJ+13, TTH15,
[GDJ+13]. **cyclone** [VBL09]. **cylindrical** [LGMV02].

D [AKB18b, SGL99, VF18, YMM00, Zem86, vdr87h, vdr87e, vdr87k, AKB18b, Avg00, CPD+15, CH95, DMM+99, EMB08, EdBG+99, GR09, GGM+09, H+HAS04, IdLR01, JHL+04, KLi04, Kau89, KA88, LBR+09, MJ98, MJ06, NCS04, RICW00, SHN10, WKF03, XY20, XJY+18, RBS93].

D-Grid [GR09, GGM+09, LBB+09]. D/ [AKB18b]. D2D [YXG18a]. **DAC** [WML17]. DAEs [CFVP03]. DAGs [SK12]. DAI [SPK+07]. daisyworld [PM14]. **Dalton** [ASV+13]. DAPSYS [NFK10]. **DARGOS** [PMLVLS+13]. dark [YLJ+17]. DAROC [SHJ06]. DARS [SYL18]. DAS-2 [HBJ+03]. **Data** [Ama88, Ama89, AW97, BA17, BSSR18, BMK+14a, CMEA+19, CLNR18, CCRL18, CAB+18, CDH+19, DFR+15, DLH+17, EET18, FS97, FZT+18, FA11a, Fuk85, GBB18, GRL11, GGH+06, JL14, Jun17, KPS18, KPB18, KLH+18, KT17, KBO9a, KIMR15, LZL+16, LWYS18, MGL+18, MCR+16, NNL18, PN13, PH07, PPS+18, PPA18, QC18, RPA+18, SMS16, SFR15, SNXB17, SD07, SCG+18, VV92, VEET18, WRK+15, WJS+18, WMN+01, WXGM18, WZML18, YTHY84, YCY10, YDD+18, YZI18, YCZJ18, ZLTY10, ZCX+18, ZCYZ18, AOIS10, AHEM17, APBD17, AAAQJ+18, AFSh+18, ARP14, ASO14, ATAC+16, AWN+13, ASYF18, ASD12, ABF+03, AMT+12, ACK+15, AGA18, ACNV18, ADK+09, dRADFG18, Asu13, ALL+18, ACC+16, AK18b, BK16, BG14, BBD+13, BJM+17, BAP17a, BAP17b, BAB12, BDWM17, BBC+13, BDZ13, Bha18, BKY18, BN17, BL92, BPS+03, BPAP92, BCW01].

data [Bu18, CZT+15, CMX+16, CD16, CTT02, CGM+07, CLZ18, CCD+19, CTR+17, CHJS+10, CMIF17, CGIP14, CPD+15, CCMP18, CKFJ06, CHJ+04, CCL07, CGL08, CLH10, CCS+10, Che13b, CPA14, CZXL18, CAL+18, CRYG18, CZZ+18, CY01, CCM+14, CCG07, CPSRG14, CGST09, CTT07, CS97, CSP13, CSQ17, CDL18, CMZ+18, CBBdL16, Cuz14, CLM14b, DM93, DMM+98, DMM+99, DW11, DHW+17, DJP18, DAM08, DFG+09, DMM11, DGD+16, DGC+15, DFF+13, DSH+09, DLS+12, DLX+18, Dup90, DB99, EAS+18, EP13, EWG99, ED16, FTA+14, FG18, FSP02, FB97, FZW+18, FD12, FSV+19, FAJP99, FZNH14, FTK17, FNC11, FJT01, FM01, Fin09, FNA11, FRM+18, Fra08, FS18, FsdC07, GQLX18, GACM17, GVUR1BV14, GZ14, GSC11, GJ15, GBY16, GGW+09, GML+13, GS16b, GS15, GLSV07, GBF+12, GCL18, GLVC18, GCD+18, GTCZG+18, DGS18].
data [GP09, GGH+03, GG10, GFW+18, GSV+17, GLB+18, GB09, HKA+18, HSM13, HLYW17, HC99, HAE+03, HBH09, HESM99, HPGM18, HPS97, Hsu14, HLC16, HYS17, HDB18, HYS18, HXL+18, HY18, HJPS03, HAB+06, IAM+18, IHA18, JTS13, JH16, JHC18, JSC+15, JCL+15, JFZL17, JLC18, JZJ+18, Jol02, JRF+07, KS18a, KKN18, KHJ10, KIS11, KP12, KR14, KSW+13, KS17a, KN06, KMC18, KCV11, KGIV14, KXS+16, KBDL18, KH18b, KMCH03, KGT15, KBB+16, KAS+18, KKS+18a, KOP+17, KK16, KAEC+18, KP18, KY04, LS07b, LGH07, LC04, LLP12, LY17, LY18a, LBM18, LN13, Leo98, LXD17, LGW07, LNK+13, LCHW14, LKK+14, LCC+14b, LWD+14, LLQS14, LNB14, LRY17, LFP+17, LXL+17, LGL+17, LOR+18, LYY+18, LYY+18, LZ+18a, LAL+15, LZH+18, LJY12, LSYC18, LWH+18, LHX+18, LW+18, LSD11, LwW14, LZC15, LSHW17, LWT18, LW+18, LRC+18, LZW+18, LGY18, LKFB18, LLL+18, LSAM13, LKK+16].
data [Lop93, LWW+13, LL16, LWHS07, LLHS07,
LZY+16, LIC18, MWW+15, MTNM08, MSS+13, MNV12, MID16, MPP13, Man15, MLC18b, MVL+18a, MJ98, MJ06, MFP05, MPCA15, Mat18, MP17, MZ+16, MTD18, MBFC99, MMVP13, MTH+05, MFL18, MDT+18, MFT+17, MWVPB12, MVCC10, NS17a, NNRA19, NMZC06, NSP07, NAD+18, NK17, NWMG17, NJW+06, NKP16, NJ17, NSSA+14, Nis93, OFD17, OB04, OFT09, PM04, PPZ12, Pal09, PFRC16, PJDO13, P+SS17, PVN+12, PKC+05, PSW+14, PKY+17, PWMX17, PW+P+18, PYM18, PSR+07, PS9a, PGCC+10, PMBS14, PPB18, PSY+19, PM99, PPH+09, PIP18a, PCB99, PRN14, QGX18, QGT+18, QCX18, QMSG12, QC13, RGH18, RTHB17, RL98, RT15, RSK16, RHKC15, RGCC16, RSJ+14, Rus90b, SR12, SPT+18, SAGL10, SPMC10, SZC05, SP18a, ST11, SOA17, SBC+09, SGKC10, SA14, SG17.

data [SLD+15, SY+Y+17, SLC+17, STC15, SB17b, SB17a, SGB+18, SB18, SAR18b, Sin07, Šle14, SBA+17, SBD+18, SZD+17, SYK+17, SRN+18, Sta17b, SSK+08, SLW11, SSZ+17, SLB+17, SLZ+18, SAC11, SLFL+10, TWC+06, TZBK13, TZST14, THA+17, TZQ18, TLTY06, TDC+14, TF18, TZL18, TKR+15, TSLC17, T0D17, TD95, TSC17, TdPF+17, TSC+14, TWZP18, TILJ100, Tbd16, TV08, TSTL16, TCBC18, TVYW18, TAS+18, TSB18, Tor13, TSAER18, USK16, VTTK17, VBLS09, VOS12, VGC+13, WSG+18, WTR+13, WTG+14, WLLF16, WLZ+16, WZZ16, WXPL17, WWQ+18, WCH+18, WMY+18, WSS+09, WFC07, WLA17a, WPT+13, WBJM14, WHW17, WHY17, WHY18, WLH18, WZWW18, XB14, XY05, XFM16, XDH+17, XAW+10, YLW15, YM18, YXZG18a, YJA03, YMW13, YLN15, YPLZ17, YWCC18, YZG+18, YXZG18b, YKK13, YLC+06, YZN+15, YXA+16, YGYW16, YWY+17, YYLC10, YWF+10, YL16, ZDDM+18, ZMP10, ZLD+03, ZQZZ09, ZCW11, ZME+15]. data [ZSX+15, ZCK+15, ZHH+16, ZTKF17, ZYB+18, ZFS+18, ZHL+18, ZWZ18, ZQB+18, ZAC+18, ZW10, ZWJ+18, Zhu18, ZSB19, vKvW+13, vdrR87l, vdrR87k, AKP+18, BCM10, CAS+16, CC07, CRW+16, CW16, DX14, Dog09, GS16a, HBH09, LS07b, LVH08, MCR+16, NZQ07, Qin07, Sha16, SYT09, SHJ16, TLYT05, TLY06, YYW+09, ZS16]. data- [vdrR87]. Data-Activated [SHJ06]. Data-aware [KB09a, AHEM17, TRK+15, ZME+15].
data-based [CZZ+18]. data-capacity [Bha18]. Data-centric [DGR+15, JTS13].
data-check [LZL+17]. Data-Driven [VV92, YTHY84, FZT+18, KKS+18a, MTH+05, PKC+05]. data-flow [GS15].
data-intensive [BPS+03, Cuz14, GVURIVBV14, JFZL17, KGVW14, MFP05, Pal09, RSJ+14, SLC+17, SBD+18, TdPF+17, TdIL16, TSB18, WTR+13, WHY17].
data-matching [PRN14]. data-parallel [BL92, FSP02, LC04]. DataABC [JFZL17]. database [ACU95, Ano84]. Cha15, CWSW14, CYB90, CW93, FAJP99, FT07, GML99, Joh92, LY90a, LY90b, LKLZ+16, LMK91, Mur88, NS04, PNH99, PH99, PB17, WCL+17a, YXD18, YWF+10, vdrR86a]. databases [ATS14, CYB90, CFG93, FGRZ09, FSM+18a, GAYTC18, KPP00, KMB16, KYY+19, KST92, Kos00, LY18a, LLCF11, MQN19, PNH99, PDDS10, SL87, TG07, ZMN99].

Datacenter [YMY+17, ESPN17, KMJ18, LKTC14, SHRE16].
datacenters [LJGW18, LPBB+18, MRH17, SSP17, WCC14, XWM18].
datacentres [PLLA18].
dataflow [GY90, Gur85, GT87, HG92, KSY92, PLL17, ZT90, ZT91].
dataflow/von [HG92].

DataGRID [VBP03].

DataMiningGrid [SS+08].
dataset [WZZ16].
datasets
[AMBB18, Ans11, BNXds11, CLY14,
FGM11, HHZ16, KPB+03, PPZ12, RVST17, WMLS14, ZLXZ18. Dataspaces [HLCL16]. DataTAG [MFP05, MMFM+05]. date [Din99, HMA12b]. Davidson [BvdHN+01, BV04]. Davidson-type [BV04]. day [KLW+18]. DB [FYH+18]. DBMS [MGV+18]. DBMS-based [MGV+18]. DDL [FB97]. DDoS [DCC13, SPT+18, TA18, VS13, VSP+14, ZJW+14]. Deadline [ANE13, PNGFJ13, VCKB12]. Deadline-driven [ANZ13, MIF13, VCKB12, APAZ17, ABP16, ABN17, DQLW15, FZY18, HLW12, MJDN15, SGJ18, TSB18, VVB13a, WTLM+17, ZPB18, ZQB+18]. deadline-aware [ZQB+18]. Deadline-constrained [ANE13, APAZ17, MJDN15, SGJ18, VVB13a, ZPB18]. Deadline-driven [VCKB12]. deadlines [BBB16]. deadlock [CWW+16]. deal [MCG+15, SHPB10]. deblocking [WLY+14]. debuggers [CLP96]. Debugging [AW03, FSP02, RCD03, BW95, Kac00]. Decomcentralized [Low05, STMV18, Vau93]. Decentralized [CLNR18, HKJ18, JTS13, LS07b, MPC+18, OEE13, SHRE16, TGM11, ATF11, ABH18, CCL11, DA18, FWB13a, HB08, HXL90, HFN+13, LH09, MML+18, MT17, MODB18, MGLPJJ13, RRB10, SCMS12, TY11, YBQ07, YLA18, ZMH+18]. deceptive [CWZ+17]. decide [MBD18]. Decision [vdR87f, AW97, BBWB+18, BBK18b, CLY14, DSH+99, GS05, GBKJ18, KDM11, KK+18a, KFBKD14, LPPK17, LPPK18, LG07, LYS12, LDY+18, PP07, RT16, SB97, VDK12, WY17, XYLZ18, YCN19]. decisions [ABMMNC18, LTZ15, WGM15]. Declarative [TA96, ATDC+16]. decoder [KAA8]. decoding [PSP16]. decomposed [SKJ01]. Decomposition [dRSS97, AB18a, BH03, Bu18, HND06, LLH+18a, LLY+18b, MvdV01, MSBA16, PLL+18, PSZZ18, PR95, SCMS18, WHZL10]. decomposition-coordination [MSBA16]. decoupled [LSJ+14]. decrease [KIS11]. Decreasing [VGC+13]. decryption [ZSW+18]. dedicated [BBB16, DZ04, NF03]. deductive [RB12, SL87]. duplication [KHI18b, SAR18b, WLA17a, WLA17b, ZFH+18, WLML17]. Deduplication-Assisted [WLML17]. Deep [ASY18, HDA+19, ZLLZ18, AQR+18, CLCMG+18, CAL+18, DCA18, HDK18, HUMA18, LLH+17, PLL+18, RSY+18, SD18, TBS+18, TVWZ18, WBC+18]. deep-learning [CAL+18]. Deep [AQAR+18]. default [ATT96]. defense [DCC13, GYKW18, VSP+14, ZJW+14]. deferrable [CSQL17]. Defined [BRH18, RGS18, SMG18, CJK+18, GZL16, GYKW18, GXL+18, JAD+16, KLI11, LMC+18, LRC+18, NAGD18, WLA17a, ZBCT17, ZSSZ18]. Defining [GMS09, MABA12, MR03b]. definite [Amo06]. Definition [CGT07, GH0+11, HML+06, LRL+06, MS05, Sz01]. deforestation [AlFR16]. deformable [RDAS18]. deformation [JHC10, Tor04]. defragmentation [RT15]. degeneracy [DMN+05]. Degeneration [TBS+18]. degree [LJ18]. Delaunay [LGMV02, XSM04]. Delay [BARB14, CLR17, KV09, LCL14, RMD18, SZK16]. delay-based [CLRL17]. delay-sensitive [LCL14]. delegated [SLB18]. delegation [AH11, JSMG18]. deletion [LZLL18a]. Delft [DFSZ88]. Delivering [PDMS18, QCD16, Zip00, BYV+09]. Delivery [GC00, SST18, HAE+03, HDLW13, KKN18, LMD+14, LPE08, RMV+10, ZCT+04, ZHz18]. Delphi [ACGd02]. Demand [CAB+18, BPS+03, DEG+17, FMR05, KLM+05, Len16, LWH+18, LWZ18, MHW+16, PHY17, SSF+09, TDC+14, WCC+17, SCN+14]. demand-oriented [LWZ18]. demanding
MVT+99. demands [KPM+18, SCB04].
dementia [NDZ+18a, NDZ+18b].
demonstration
[CALN03, HRJ+06, VRGR16].
demosaicking [HLC16]. dendritic
effective [EAA16]. Dendron [PMK18]. Deniable
[DA18]. denoising [BTG19, GDAS18].
dense [DS04c, HPP94]. Density
[GBY16, ZSZ14, DRS04, LZXW13].
Density-based [ZSZ14]. deontic [SZR18].
dependable
[AR07, BCC+17, WTK07, WY17].
dependance [XFM16]. dependencies
[BBI13]. Dependent [BB17, CP06, Dua94, GTMZ17, Nos98, Tab06]. Deploying
[PCBD99, MVC+13]. Deployment
[TCB+17, BJA+05, BARMB14, CZY+18, CdCD07, CGL15, HSH+07, KTKN11, LWH+18, LLW+12b, LSMVML13, MAJD18, MGLPPJ13, MCSA18, MW12, PSP+09, PPSS06, RCMT18, VSDD13, dOWdAS+18, WG13, ZLZ13]. deployment-based
[CdCD07]. deployments [LDP+13].
depression [CFL+15]. Depth [HZZ+18].
Derek [Ano87b]. Derivation [DRNMC09].
derivative [GKS05]. derivatives
[BBL+05, SBLT05]. derive [LN13]. derived
[Del06, YMW13]. Deriving
[MdOO+17, CHSA18, CFVP03]. descent
[MWL18a]. describe [vdHDT+06].
description
[DJPM18, HK88, KGdL11, PLCGS11, Sun10].
descriptions [BHK90, XLL+18a].
Descriptive [GdMD96]. descriptor
[LZL+12, PSS+18, Var03]. Design
[AMN18, AAB+10, CCDS08, CBS17, DVD12, JO11, JNR12, KO11, KANS18, KLV+17, LCP04, LJJ04, LL04b, LJS17, LC03, MK17, MSK03, MCWP16, NSS99, NP06, PSR+07, PMLT10, Qn07, SPR+10, SYCH18, TMM+13, TBB+17, XKJ+18, ZY90, ZYA+18, ZZQ+13, ÅO06, AMB03, AAD+13, BFP18, BBC+99, BKG05, BSRR18, BB06, Cur92, DMR93, DDV92, DGS09, DSD+11, DBD+14, ECPF17b, FD02, FAJP99, FZT+18, Ger02, HB09, HIA+18b, JLQZ18, KKL09a, LRYJ17, LMH+09, MB01, MOBD18, MBZL09, MVT+99, MHY+18, MWMA10, Ném00, PPJ95, RHH+16, Röb05, RCOP+11, SCK+00, TWV+18, TC92, UZ11, VVC+03, VSM02, VR00, VP94, WWD+14, WXYL15, WGM15, dOWdAS+18, WKT00, ZDL+13, ZLG+14].
design-space [SCK+00]. designed
[ZJWZ04]. Designing
[AB18a, BGL+05, GEBO0, ODD+13, ST98, CFPC17, DGCWH+17, Mér17, TKT+08].
desktop
[CBB+07, CLL+14, DSS07, FK12, KWK16, KFC+07, KJ12, KKL11, LJLW13, RLP12, SWW+18, TPBS14, VKK14, WFC07, CB10, KNK+08, KL+05, LTOT07, SBHD08].
DESRP [LWZ18]. desynchronized
[Tur18]. detailed [LR06]. detect [ZZN04].
detected [BCF16]. Detecting
[BOHCC17, RKB18, WLM+18, AMM16, CZ14, SCB04, SM18, SK05]. Detection
[GMLGB+17, GHP+18, GLXF17, SAPA17, ZIW+14, AD18, AMI16, AHMS18, ASYF18, AKM18, AS18b, ALFR16, BBH18, CXZC18, CCCP19, DJPM18, DNJG17, DC18a, ENC+12, FJ18, FZHH14, FCD+14, GAFFO12, GPV+14, GRS+19, GNNG17, GSY+17, GCMC16, GCMC18, HTL+18, HHS98, HNCJ13, HZZ+18, HZW+16, HAA+16, HIA+18c, JNHL18, KHWZ18, KIAD17, KAW12, KTV03, KKP00, LRL+14, LYJ10, LLN+18, LJJ18, LYYT14, LSL+15, MAY18, MGA+18, NK18, NGB18, NJ17, PMK18, PRW14, RBGA18, SPT+18, SOD18, SD18, SMRM13, SI18, SB18, SGS+18, SBK18, SJL+18, TBS+18, WWH+17, WJS+18, WWZZ18, WXZ+18b, XFTZ16, YJJ+18, YARH18, YCXW18, ZHZ+18].
detector [MdFTGM19]. deterioration
[WWX+17]. determinant [GSC11].
determination [Dör05, KI10b].
determine [FM10b]. Determining
Determinism [Gue01, MKH06].

deterministically [LOK09].
deterministically-routed [LOK09].
develop [ZBF14].
developing [AAB+92, DW87, GW01, HZZ+14, HCJ14, LMP13, GJS+94, Ham17, Kim14, LJS17, LGS+07, LKJ17, Reu03b, SWW+13, TKA+18a, WCH+18].

Development [BFR05, BHH91, DDO05, GML99, IMKB89, YA02, BcC90, BH92, Cas94, CGL15, Da03, Dvz+00, FJ00, FR08, FSP+18, HRSW09, Hen87, IMSV90, KdFL09, KV03, LWH07, Mat89, RG04, SBW14, Sip12, SHJS+10, TBK+10, TF17, TCBC18, WWSM98, dBpF+17].
developments [Sch94, SSZ13, YAGG18].

Deviation [WYH+17, HKP10].

Deviation-based [WYH+17].

Device [WVVJ17, CLK11, DLR+09, FRM+18, FHG95b, Kaw92, LPL+16, MKS18, SGFS01, SLDK03, SW06].

Device-to-Device [WVVJ17].

Devices [WLP18, APRC16, AKB+18a, BSRR18, BOP+14, CRRC18, CBP18a, DC17, GMM18, HMZ18, HCW+18, JKLK17, KK97, KKA18, LCMM16, LNY+18, MMC+18, OB04, RSRA18, SAGGB17, SGS+18, TLC+15, VFHB14, Wan18b].

DevOps [WBKL16].

DEVs [SZP00].

DEXIN [FLT17].

DFINT [QC18].

dfDF [BST+04].

dfGIC [TF18].

dHt [HNKO18, HZ10, PTT12, TJWS10].

DHT [TJWS10].

DHT-based [HNKO18, HZ10, PTT12].

diabetes [GP11, VFHB14].

diagnosis [AAN+18, AaSi17, BvdBM+93, CLZ18, CFL+15, CD99, DFT92, FM01, Han89, KHO+19, KLV+18, KE85, MH01, Suz89, tVH96].

diagnostic [ASTE98].

diagonal [DL03, PSS+18].

diagram [KS02, SCK+00].

DIALOG [ZT90, ZT91].

DICOM

EGAQ09].

dictionary [DPS16, ZWWL18].
difference [AO06, BG12, CS93].
differences [Nit86, PBHK01].
different [BARMB14, DFGR14, JZWL17, RWT+18, SD06, SCG+18, vM94].

Differential

[DL03, BC03, De06, HZL18b, KS18c, LWZ18, PSY+19, SS03].
differentially [ZLZ18].
differentiated [PEG05, SPBT07].
differentiation [Buc05a, Buc05b, Fau05, HNP05, HHG05, HNs05, Pal06, Röb05, SBLT05, TBSH11].

DiffServ [BLO+18].

diffusion [BKS98, vdS04, BPG01, Ban02b, DH16, JNR01, KZC04, Mar02, WRRCC17, CSV+12].

diffusive [BMZ10].

dimension [ARS16, LCHW14, MLC+11, QC13, QC18, TS08, CCM18, DGA18, FBBV99, HESM99, KY85, LCH+11, MJGW18, NXX09, PSCM99, QCX18, SGT+06, Wei11, WSTW87, ZSMS18].
digitised [OPT+17].
dimensionality [BFFL09].
dimensioning [TV+08].
dimensions [EHT10, WMBV17].

DINCast [GNWT05].

diagnostic [BPS04, CHJ+04, DCF+18, DS04b, DIPM18, DSH+99, DB09, EFD00, EP13, FNA12, FHG95b, GDS01, Pal01, PM14, SWG+16, SS17, SJS+17, SW02, WW11, Wss99, XSM04, YPC12, ZFW14, ZZZ17].
dimensionality [BFFL09].
dimensioning [TV+08].
dimensions [EHT10, WMBV17].

DINCast [GNWT05].

diagnostic [BPS04, CHJ+04, DCF+18, DS04b, DIPM18, DSH+99, DB09, EFD00, EP13, FNA12, FHG95b, GDS01, Pal01, PM14, SWG+16, SS17, SJS+17, SW02, WW11, Wss99, XSM04, YPC12, ZFW14, ZZZ17].
dimensionality [BFFL09].
dimensioning [TV+08].
dimensions [EHT10, WMBV17].

DINCast [GNWT05].

diagnostic [BPS04, CHJ+04, DCF+18, DS04b, DIPM18, DSH+99, DB09, EFD00, EP13, FNA12, FHG95b, GDS01, Pal01, PM14, SWG+16, SS17, SJS+17, SW02, WW11, Wss99, XSM04, YPC12, ZFW14, ZZZ17].
dimensionality [BFFL09].
dimensioning [TV+08].
dimensions [EHT10, WMBV17].
**Discovering** [LLG⁺16, WFQ⁺10, Fer13, LC15, SSC09, VGBLGS⁺06]. **Discovery** [BBC⁺13, BCF16, KK11, BMH10, BCR⁺12, CCT13, CÖ13, CCL08, CH10, DMZ09, EK11, EBOY14, EA17, FFPS10, FMS08b, GACM17, GDJ⁺13, GB10, HB08, HCC⁺14, HZC10, HSV⁺17, KKL11, KIC12, LCBF13, Li10, LZH⁺18, ML15, MCL⁺16, MHC14, MTV05, MP02, MV09, Pal13, Pip10, PTT12, PPL⁺15, SB17a, TTP⁺07, YCZJ18, YLA18, ZAB15, ZLL⁺19]. **Discrete** [She00, BMP⁺16, LCW⁺18, NB04]. **Discrete-event** [She00]. **discretization** [LTJK12, RGHH18]. **discriminant** [CLY14, HLL12, YPCK12]. **discriminate** [AHMS18]. **discrimination** [HLH⁺18]. **discriminative** [WHYZ18]. **discussion** [BOHH17]. **DISCWorld** [HJS⁺09]. **disease** [AAN⁺18, AASI17, KOP⁺05, KHO⁺19, KLV⁺18, ZXL18]. **disease-EEG** [KKP⁺05]. **diseases** [KE55, SM18, VFHR14]. **disk** [CFGC03, DLXR14, JLI⁺13, NP06, NQQL13]. **disks** [CKLC06]. **disorders** [AHMS18, CPE⁺17]. **dispatch** [WLH16]. **dispersed** [ED19]. **Display** [KID⁺16, KWK16, NRR⁺15, PSG⁺06, RJH⁺09, RRH16, XJY⁺18, YDK11]. **displays** [BOP⁺14, PDK10, RMA⁺16]. **dissemination** [BK16, FMS08a, GRTV10, MZD⁺16, SJ14, WLP10]. **Dissipative** [WZL18]. **Distance** [FGRZ09, PYH⁺18, TKA18b, ZL13, CZL⁺18b, HKU⁺11, LWY⁺18a, SPT⁺18, WWD⁺14]. **Distance-aware** [ZL13]. **distance-fitness-based** [CZL⁺18b]. **distances** [MGH⁺05]. **distinguished** [HWW04]. **distinguishing** [SM18]. **distress** [MNC⁺18]. **distress** [FT07]. **Distorted** [AWY116, Bag16, BDF⁺99, BCT⁺07, BM08, BBSV92, BM92, BKK02, BDHK06, BPS⁺03, CTT02, CGV10, CZY⁺18, CMT16, CKLC06, CTT07, DVV90, DC18a, EH10, FC09, FJT01, GLVC18, HH98, HCZW17, HV92, HB00, HAB⁺06, KK00, KGX95, KKS⁺18a, LWH07, LLSH07, Mul92, ML17, Od14, PT16, PZY16, PIP18b, SSG17, SKJ01, SSL13, SLW01, TCG14, VVC⁺12, VVC⁺03, WMLS14, WM07, ABS11, AD14, AT01, AB18a, AMB⁺92, AKB⁺18a, ABF⁺15b, AGJN00, AB16, AB03, ADLM18, Bag11, BMRW01, Bal16, BFLL99, BVFGWA15, BKG05, BC15, BR92, BW95, BB06, BDZ13, BAD⁺05, BGM17, BDL06, BFW⁺03, BRNR15, BGR⁺99, CMZ⁺12, CPG⁺13, CM01, CTR92, CWD04, CZL⁺18a, CDF⁺05, CRC13, CLR16, CBK⁺01, CDDR17, CCL1, Cho04, CCM⁺14, CS93, CGST09, CGM⁺18, CRM05, CBBdL16, CLM14b, DCL00, DBA98]. **distributed** [DAM08, DT93, DRNMC09, DR15, DDM⁺08, DL00, Dn03, DdM10, DDB14, DM12, EK11, EBOY14, ECPF17a, ECPF17b, FGRZ09, FB97, FAJP99, FGG13, FJ00, FFPS10, FM10a, FBBW99, FSP⁺18, GA13, GMEL08, GAI⁺18, GA06, GM16, GM11, GKT15, GW01, GSY⁺17, HC99, HAC92, HKPT10, Her91, HST⁺18, HPP94, HLNM11, IS18, JRJ⁺11, JSK⁺06, Joh92, KMB16, KS11, KANS18, KBY⁺19, KB18, Kim07b, KKK⁺08, hKcF09, KKL09b, Kob92, KB00, KBB⁺16, KOP⁺17, KPK00, KJ18, LB03, Lao01, LR06, LCBF13, LL03, LZL⁺17, LWG⁺17, LKG08, LWSC07, LC15, LSH⁺11, LZXG12, LKK⁺16, LBU⁺10, LCCM18, Luk89, Luk00, LM12, LMH⁺09, MYHZ18, MCSS00, MSS⁺16, MLSF16, MAA⁺19, MGLPPJ13, MROD10, MMR02, MW12, MQN19, NFK10, NSI02, ODK⁺17, Ole07, Öst92, OS01, PBV⁺13, PdASM18, PY00, Par04, PSW⁺14, PH99, PX07]. **distributed** [PGTB18, PEG⁺06, PPT10, PZY17, PCB99, PVPH05, PSBB15, QP08, RHH⁺16, RHB08, Reh06, RLRC13, RHMCM15, RMHMG17, RM97, SRGT19, SZC05, Sapr88, SZP00, SBSdL06, SY04, SD02, SLG⁺17, SMSF18, Sin92, Slo96, SD03, SHJ06, SLO⁺05b, SHLB08, SM96, SSLF⁺10,
disturbed-data [BM92].

Distributed-data [FB97].

Distributed-Memory [BM92].

Distribution [KT17, AC18, BTM06, BGP+17, CRC13, CYH04, DLW07, DS08, FHZW18, FR08, GZL+18, HFM19, HAAWH+18, KTKN11, LBD18, LGH97, LJY10, LSYC18, LOK09, MOFGP18, NKK09, NMZC06, NK17, SA14, Tor13, USK16, VCDK18, WFC07, ZTKF17].

distributions [BARM14, BDHK06].

Disturbances [VLAC+13].

divergence [VS13].

DiVers [HD016].

diverse [CCJ16, CFPC17, MC04, NK18].

diversified [LYW+18a].

diversity [BORM17, HJK+04, SWL11].

divide [KB18].

divide-and-conquer [KB18].

divider [DJJ+18].

divisible [AOIS10, GOBL16].

DLM [Pud87].

DMPO [YCX18].

DMPP [Ste92].

DMZ [XLI18b].

DNA [CGH04, CS05, Kar01, NRV+17, WMN+01, ZRL18].

do [ACBM15, AMRM18, LMZ+14].

do-it-yourself [LMZ+14].

DOC [SSG17].

Doc2vec [CXZC18].

docking [IPG+18].

doctoral [SR03].

document [FC09, LYT+05, LLS+14, TDBR18, ZL04a].

documentation [WGM15].

domains [BD18, CZ14, KFF89, SW17].

dOE [RS16].

Dolev [BDNN02].

DOM [GGC18].

DOM-Based [GGC18].

domain [AMI16, BFK02, FSM+18b, GZLZ16, GXD+09, GDAS18, GSY+17, HND06, KZA+18, LKA+19, MvdV01, Pri95, SMC18, S Cec18, SSB13, WMBV17, XLW+17, YZL+18, YLC+06, vOHD+05].

domain-oriented [XLW+17].

domain-specific [BFK02, KZA+18].

domains [AL14, BCPS03, KOT18, LLM+16, SG17].

dome [KO11].

Dominated [BRH18].

Donald [Ano87].

Donating [WPJ16].

Doore [vdR87].

Dordrecht [vdR87].

Dordrecht/Boston [vdR87].

Double [LEW19, KA88, LBJ+18, LY18b].

double-orbit [LY18b].

down [SCH+19].

download [CGL08, Li15].

DPM [CGM+18].

DPRank [LXM+18].

DQP [LMH+09].

dragon [CLR16].

DRAM [CSJ+17].

drawing [B¨uc05a].

drawings [Niw89].

DRAxML [SLO18].

Dreyfus [Zad87].

drift [HXC18, TSR17].

drive [SYW17].

drive-thru [SYW17].

Driven [VV92, YTHY84, AJY12, BFS+17a, BFS+17b, CVKB12, DCC+14, DWS12, FC05, FFC+18, FZT+18, FTP14, FG14, FFC12, Fre94, GEG14, GBF+12, GMP+16, GKT15, Ham17, HHK18, KCK16, KADJ14, Kol18, KKS+18a, LwW14, MTH+05, NJH+18, NJ16, ONHT89, Pa13, PMK18, PKC+18, PdaF12, RZ16, RBN13, SBG+09, SLZ+09, SML14b, TBC18, VCB12, VETT16, VWCV94, YMLT13, ZAA+14, ZCX+18].

driver [JCMPPC18].

drivers [PWP+18].

driving [LKM01].

drone [LLN+18].

droplets [DY04, OC13].

DRTHIS [HD+19].

DTR [DJZ+15].

drug [HSV+17, KKL11].

drying [Jun18].

DSM [CCS+10].

DSM-based [CCS+10].

DSP [EF00].

DT [vKvWD+13].

DTA [XJW+16].

DTN [WZ18].

DTRM [LXH+18].

dual [BWR12, BW13, ESP17, VAd12, ZDR07].

dual-band [VAd12].

dual-level [ZDR07].

dual-port [ESP17].

duality [UM02].

dumps [Dal06].

Durham [Her87].

during [AKM18, BWR12, Niw89, RS17b, SK18, SL+17].

Dutch [BVP+87].

DVC
RR18, RLM18, SPJ17, SLL++18, WMJW18, YCH19, YCX18, GQXL18. **edge-based** [CGSV17]. **Edge-centric** [AHM++18]. **edge-cloud** [AK18b]. **edge-IoT** [EBCP18]. **Edge-of-Things** [GQXL18]. **editable** [Jun18]. **edited** [Zem86]. **editing** [LHCC18]. **editor** [Ano87k, BB13, KDFL99]. **Editorial** [AKvdR86, ADLW12, Ano84f, Ano86g, Ano99, BLRL03, Bru01, CRW++16, DHS00a, FM01, GTvdL18, Her94, HB98, Kaa98, KG01, Mal01, ON85, OS01, PC18b, RR03, RB13, SG95, TKRA14, VN01, Wil00, YAGG18, ZEO01]. **Editors** [Ano03b, Ano03c, Ano03d, Ano03e, Ano03f, Ano02b, Ano03h]. **Editorship** [Kaa99]. **EDPEPPS** [DZJ++00]. **Eds** [vdR87a, vdR87c, vdR87e, DLH++17]. **education** [AMB03, Avg00, KACN16, KZBK99, MM18, Wie03]. **educGAIN** [TOS18]. **EEG** [De 98, JSS++99, KKP++05]. **Effective** [KV17, PKF14, SCBK++16, BAD++05, CWJ++18b, CC00, CSQL17, DMC++19, DLS++12, GR07, HHL11, HCL07, HYC++18, HPLL09, KS18a, KK16, MFG++14, PFRC16, RT16, SBA++17, WWH++17, WMX++17, WY17, ZBCT17, ZRZ++14]. **Effectiveness** [YZI18, ECPF17a, Man15, PM04]. **Effects** [JK17, CN17, GPS++17, HSS00, LRYJ17, PM14, Yam92]. **Efficiency** [ZMN99, DDB14, Dua94, FTK17, IDM++16, JLRS18, KSSG16, KHG++18, KV12, LSB++18, PLLA18, PR95, SLD++15, Sta17b, SG15, TK18a, THT12, VEET18, WXLY16, ZMJ++06]. **Efficient** [BK97, Ber98, BBL++05, CXL++17, CAPG18, CXC++18, DZ98, DLH++17, FGG13, HFM19, HZL18a, HDLW13, J08, KCV11, LR01, LKG07, LQK++16, LAL++14, LXK++14, LHO17, LSTV07, LLM++16, NWMG17, OBG++18, PHL98, PRS++13, PVMX17, PPS++18, PRN14, RM11, SJ14, SL87, TLC++15, TV08, VKK14, WCC++16, WRS++17, WZH17, WXW++17, YHL16, YLA18, ZGB++17, ZXJ++14, ZWL++16, ZFS++18, ZWJ++18, Aba09, ABMM18, AMH02, AR15, AQRH++18, ARP14, AS18a, AAM++16, AK18b, BK16, BAB12, BPS06, BFR05, BMH10, Bu18, CMX++16, CRM++16, CP17, CLM++14a, CSJ++17, CZXL18, DHW++17, DAM08, DV12, DQW15, R18, DNP14, FJ00, GD10, GKS05, GK18, GBF++12, GNWT05, HHG05, HXY13, HYS17, HYS18, HMP04, IOV++18, JYY++17, JLCC12, JFZL17, KKN18, KKB18, KMT14, LBD18, LY17, LY18a, LB18, LLQS14, LCL++16, LCC++16, LYY++18, LAL++15, LSYC18, LC01, LC15, LZXG12]. **efficient** [LG16b, LCMX16, LWZ18, MNV12, MPP13, MMF16, MP17, MZD++16, MLM16, MA17, MGLV04, MMRL17, NF07, NP06, NRV++17, NWL17, PSSP16, PPZ12, PY00, PWY03, PDH18, PPMM++18, PF17, PVBH05, PPLL17, QZM++18, QMSG12, ...
Rao17, RGSL18, RG04, Rum99, SB14, SC16, SAGL10, SJTN18, SGJ18, SLS+09, SRN+18, SCBK+16, SHLB08, SYAL13, SLA+16, SLB+17, TDSH16, TPBS14, Ts07, TM05, VVP13a, VTK17, VCO+18, VGC+13, WHMO13, WFC07, WC14, Wu16, WPI16, WHY18, WLLH18, XZZ+14, XDH+17, XLL18b, YPLZ17, YYY+14, YZW18, ZQZZ09, ZL13, ZTKF17, ZCL+18, ZZSZ18, ZXL18, ZFC17, ZFC18, dITK92, LOJ+07, MPI+18. **Efficiently** [ABL04, BRR+04, SSC09, ZZC18, BSE+13, KTY03, LFH+15]. **Effort** [MZC10], **efforts** [An084i], **EGEE** [FKBG10, VHML10]. **Ego** [GPJC17]. **EHealth** [FFC+18, PZA18]. **eID** [SGGCR+16], **eigen** [CHJ+04]. **Eigendecompositions** [DP03b]. **Eigenvalue** [BV04, Del06, Prz03, SKT+03, Del06, Prz03, SKT+03]. **Electricity** [HAAH05]. **Electromagnetics** [LW08]. **Electrocardiography** [PCB99]. **Electrodes** [WPS+18]. **Electromagnetic** [Dae95]. **Electromagnetics** [LW08]. **Electromechanical** [HAAH05]. **Electron** [FGCM07, BRS04]. **Electronic** [Öst92, ABCD00, AS99, BAB13, Bur02, Din03, FP03, HPP+18, MCSS00, TC92, YKO17, ZDL+13, Bur02]. **Electrosmog** [Dae95]. **Element** [AS99, LDS06, SW05, Tab06]. **Elements** [CBS17, GBMP13, SP93, SMM+14, WAE06]. **Elephant** [AS18b]. **Eley** [YZ18]. **Elimination** [Ts07, ZHL+18]. **Elliptic** [AMN18, LL04b, MCN+18]. **Ellis** [An086i, An087b, An087i, vdr87d]. **EM-3** [YTHY84]. **EM-4** [KSY92]. **Embedded** [ADH+16, HYZS16, LSAM13, AMR18, CRRC18, FLR+16, NWE04, Pud87, QZM+18, STC15, VRGR16, LLS+14]. **Embedding** [Pri95, CZ12, LWSY18, SYAL13]. **Emergence** [ZSS+18]. **Emergency** [GAW+18, Gra01, RSGL18]. **Emergent** [MVCC10, SHRE16]. **Emerging** [AWYJ16, KLH+18, RR18, YGS16, BYV+09, How91, ZGL+18]. **Emission** [JCMPPC+18]. **EML** [TDFZ18]. **emotion** [CPP+18, DYC+18, LRL+14, XYY18]. **Emotional** [ADH+16]. **emotional-based** [ADH+16]. **Empathetic** [HZM14]. **Empathy** [TAHS14]. **Empirical** [IKLL12, Curt92, DS99, GAB+14, RMJ+18]. **Empowering** [LRC+18, RSY+18]. **Empowered** [ML11]. **Emulation** [FPP+18, SGN+17]. **Enable** [MP13]. **Enabled** [HFT16, ZZL18, ABB+03, AKB+18a, ABF+15a, AMPZ16, BS11, DWJM18, EPJ+05, FS07, GLM+08, IASK14, JHL+06, LSZ+18, LLF+18b, LW18a, LGK08, LWSC07, MID16, MGY06, MJ06, MPC+18, MGN+16, NJW+06, PKC+05, QLM+18, TOD17, TTS+18, VOS12, XAW+10, GRL11]. **Enabled/disabled** [HFT16]. **Enablers** [Bel16]. **Enables** [AB01]. **Enabling** [BMH10, BP10, CDH+19, EKGS14, HGG+14, JRJ+11, KDHP16, KPM+18, LCHW14, Mam09, MGA+19, RJH+09, RMHC15, TMV+07, TKn+14, TCN+16, WCKW10, YIA17, ZL13, ZLR+15, AZH18, DFRW17, ET08, GME08, KT08, KPS18, LLAH13, MWC+03, MLD08, SSK+08, SSLF+10, YCH19]. **enacting** [CAB+18]. **Enactment** [HML15, Bal16, JTBS15, dFVP14]. **encoder** [LCL+18]. **Encoders** [RSY+18]. **Encoding** [JLCC12, KP12, XWM18]. **Encrypted** [AHM+18, BGP+17, CDL18, DF97, JLC18,
KH18b, LXK⁺14, YXD18, ZFH⁺18.

**Encryption** [AMHJ10, BGP⁺17, DLZ16, DLLL17, FAA⁺18, FH13, HQZH14, HZL18a, HFT16, HYS17, HYS18, HYF18, JSMG18, KHM13, LCP04, LLL⁺18, LL⁺16, QRW⁺18, Wan18a, WZCH17, YCT⁺14, ZDJ⁺16, GMdFPLC17, LAL⁺15, Sar18a].

**End** [BGP⁺17, LOR⁺18, MGN⁺16, RHPV17, AHP16, ASAB⁺18, CWSW14, DJZ⁺15, GCC17, JLU03, KT08, LLMP13, LASL16, MWL⁺18b, PςSS17, PWP⁺18, RAA⁺18, RMDB18, Wan18b]. **end-devices** [Wan18b]. **End-to-end** [BGP⁺17, LOR⁺18, MGN⁺16, RHPV17, AHP16, ASAB⁺18, MWL⁺18b, PςSS17, RMDB18], **end-user** [LASL16, RAA⁺18]. **endoscopy** [KHO⁺19].

**Energy** [AS18a, AC18, BAB12, BBC⁺12, BCDP12, CP17, DQLW15, DDB14, DMM⁺14, DCMW17, GBF⁺12, KKvdB⁺17, KCS14, KV17, LBM18, LGL⁺17, LYYY18, LSYC18, LG16b, LBB⁺09, MGT18, OCCK14, SCY⁺18, THT12, VEET18, WKC⁺13, Wu16, WLHH18, YYY⁺14, ZMTT16, ZZLH18, ABB⁺03, AK18b, BDP11a, BDML11, BMK⁺14b, CJ14, CLP⁺14, DKV14, DVI⁺16, DNP14, FTK17, GDS18, GFW⁺18, HLL⁺17, IPCA⁺16, JRLS18, JFZL17, JEB18, KANS18, KSP⁺13, KHG⁺18, KMT14, KK⁺14, LTC12, Len16, LNJ18, LPK17, LPK18, LLQS14, LOR⁺18, LJGW18, Li18, LCZR12, LZXG12, LCMX16, LPL⁺16, MVL12, DBPK16, MFP⁺16, Mat18, MZD⁺16, NSSL⁺14, NQQL13, PSPP16, PLLA18, PTD⁺18, PPPM⁺18, QMSG12, QC16, SHP⁺16, SB14, SMD14a, SLD⁺15, SG15, TSD18, TDHS16, TPBS14, TKA18b, VF18, VVC⁺12, VTTK17, VGC⁺13, WWC14, WLH16, WCC14, XZZ⁺14, XDH⁺17, XDHL12, YPZL17, ZAA⁺14, ZAC⁺18]. **energy** [ZZZ17, dACAM13].

**Energy-aware** [BAB12, BCDP12, DCMW17, LYYY18, WKC⁺13, ZMTT16, ZZLH18, BMK⁺14b, JEB18, KANS18, KSF⁺13, KCS14, LTC12, LPK17, LPK18, NISS⁺14, ZAC⁺18, dACAM13]. **energy-conserving** [NQQL13].

**Energy-credit** [KCS14]. **energy-driven** [ZAA⁺14]. **Energy-efficiency** [DDB14, SLD⁺15]. **Energy-efficient** [CP17, GBF⁺12, LB18, LSYC18, Wu16, WLHH18, DNP14, JFZL17, LLQS14, LZXG12, LCMX16, PPPM⁺18, SB14, VTTK17, WCC14, XZZ⁺14, YPLZ17]. **energy-incentivized** [BDP11a].

**energy-saving** [CJ14, QCD16].

**enforcement** [Hua10, MG14, MG16].

**Enforcing** [TTH15, LHC03].

**Engagement** [BDWM17, FTK17, Kim18]. **Engine** [BBCN18, Ball16, DLH⁺17, KGT15, RLRC13, XLL⁺18b, BG87, PS13].

**Engineering** [BLO⁺18, BZ18, Kow85, AC16, AAI17, AMB03, Ano87b, BAP17a, BAP17b, Ben99, Bn03, CTMO06, DFG⁺00, Hir89, Joh02, Kim07b, Kow84, Maj89, SK18, TY85, Van87b, VVC⁺03, Zhu14, SR03].

**Engineering-DiffServ** [BLO⁺18]. **Engines** [HMS15, CMP⁺17, GRCP⁺17, XLZ⁺14].

**Englewood** [vdR87h]. **enhance** [GMB⁺05, HCL⁺17, LHX⁺18, NRRA19, RM16].

**Enhanced** [HLL12, SMS14a, WDD00, AMN18, AV00, BCC⁺17, CSP13, H13, K16, KKKM17, KKKM18, NV11, PH99, RTS⁺16, RVGGSSZ14, SLW11, YZn⁺15].

**enhancement** [BMU18, CHS11, DZZ⁺15, DGA18, MYBMM18, SVN10b].

**enhancements** [PSV02, PSJ⁺12].

**Enhancing** [ACML05, AMR18, BBLP05, CWL⁺18, FM08, IPC⁺18, KX11, YMW13, ZCLW18, SMPC12]. **enough** [BBd⁺13].

**Enriching** [KBdLG18]. **ENS** [BBD⁺99].

**Ensemble** [SB18, BMP⁺16, CMT16, LPK17, LPK18, PPLL18, RGAT18, WLW⁺18]. **ensembles** [MJDN15].

**Ensuring** [MROD10].

**Entangled** [ADDV16].

**Enterprise** [ECA⁺18, AGJN00, CM01, DDR⁺07].
GLSV07, JAA07, Kim07b, KKL09a, KFC+07, NSP07, dVX+11.

**enterprise-scale** [NSP07]. **EnterTheGrid** [Ano05e]. **entities** [JLU03, XLZ+14]. **entity** [LXL+17, WLLF16]. **Entropy** [EHMS00, RDSA18, RGHH18, WLZ+14, Fre94].

**entropy-based** [RGGH18]. **Entropy-driven** [Fre94]. **enumeration** [MKK03]. **envelopment** [KPS18].

**Environment** [BKS98, BP94, CWD+08, LSS94, PMDS18, YG18, ANA16, ASTEP08, AJY12, ADT03, ACC+05b, AKB+18a, AAD+13, AK18b, BJ12, BMRW01, BBBD01, Bar11, BKS+18, BKG05, BPP+07, BDZ13, BMBG10, BCB+07, CLPF95, CSC+05, CTT+08a, CCDS08, CCL11, DJZ+15, DCL00, DJZ+00, DW11, DRZ+97, DMZ09, DT93, DL00, DR18, DCC13, Dgdl15, EK11, EHT10, EM98, EPJ+05, EA17, FMMSS12, FHZW18, FJ00, GR96, GWG+09, GCK18, GAI+18, HJS+99, HK10, IMSV90, JP17, JLI+13, JOSD19, KDF19, KVK+18, KPB+03, KPA17, KKL09b, Kos95, KKP00, KTTK17, KCC18, LLKF09, LCC11, LJLW13, Li18, LJY10, LM90a, LG5+07, LSF+94, MCSS00, MSKT07, MSBA16, MVT+99, MVG+14, MTH+05, MSX00, MRS18b, NRV17, OS92, PP10, PVN+12, PP07, PAS+09, POI+16, DLMS15, PPAK99, PHM+99, PA01b, PBB+05, QZD+18, RGAT18, RL98, RMM+98, RPA+18, RGVVGSSZ14].

**environment** [RM11, SV16, SDWS13, SOR05, SSKF95, SMK05, STA17a, SGB+18, SPCL04, TCC18, TZZ18, VSP+14, WCHL10, WDD00, WB00, YLN15, YMM00, ZZJY16, ZCZ+18, ZZL+10, ZS05b, dFBR+17, BCF+10, DGS09, FMD99, LW+13]. **environmental** [BBWB+18, GRL11, PSW+14, RHKC15, VDK12, WTP+13]. **Environments** [BB17, CCMGF18, CDH+19, TF17, YPF05, ACGdT02, ABS+18, AMS08, ALK15, AMT+12, AFB+10, ACK+15, BJA+05, BML18, BR92, BdM11, BBC+12, BN17, BB16, BDP11b, BDH14, BFR99, CPDJ13, CRC13, CTF+99, Cas94, CFVP12, CGF+19, CFPC17, CCCC14, CRM05, CS09, DVD12, DEG+17, EMM12, FDGR14, Fri14, FX07, FSM+18b, GKW+12, GKT15, HFM19, HZC+08, HCB16, HÖF03, HPP+18, HHW11, JR+11, JTB13, JTS13, KA09, KKB14, KBM+02, Kim07b, KWK16, KH18a, LB03, LYMZ09, LC15, LSTV07, LLR02, LLSH07, MCT+15, MOBD18, MKT09, MR03b, MROD10, MvWvL99, MRL17, NNRA19, NRR+15, NAD+18, NJ16, NOF18, NMC05, Pad92, Pag99, PBV+13, PLA18, PGTBC18, RBN13, RMHMG17, RRR16, SB14, SPsdSR+17, Sch98, SBAD+18, SLDK03, Sip12, SCN+14, SD07, Sun92, TDFZ18, TCBPR16, TMP15, TAKV12, Ven08].

**environments** [VD16, WH05, WHW16, WSZC18, WSS+09, XTT18, XHY+90, ZS08, ZGZ+10, ZAP05]. **Envy** [YLJL18]. **Envy-free** [YLJL18]. **ePASS** [SCZ+14]. **Ephemeral** [CCMGF18, CLCMG+18, MOBD18]. **epidemic** [FMS08b, GRTV10]. **epidemics** [LMBBC89, OCCK14]. **episode** [AMKM18]. **equal** [DMM14]. **equal-energy** [DMM14]. **equality** [WZCH17]. **equation** [PCC18]. **equational** [OP95]. **equations** [BFL19, BMZ01, BC03, IS03, SG04, Tab06, de 94, vdR87h]. **equipment** [TC92]. **equivalent** [PEG05]. **era** [QCX18, SDDG17, Zad87]. **erasable** [LY18a, YL16]. **erase** [GIM16, HDO16, PWMX17, XWM18]. **erasure-coded** [PWMX17, XWM18]. **Erlang** [Tur18]. **Erlang-based** [Tur18]. **Erratum** [KSM+07a, MR04b, NHG03]. **Error** [KTV03, CCC19, DR03, GHMX10, KDHP16, KA88, SS03]. **eruption** [CDRS05]. **ES/SDEM** [Mat89]. **eScience** [BCJT13, FA11a, HGM15, KZ14, KMZJ16, MK16a, MK16b]. **eSciGrid** [SAGL10]. **ESLEA** [SHJS+10]. **ESNET** [ZWDP18].
ESPM [LJY10]. ESPRIT [Ano87], Cad86, Ano84h. Establishing [BFN18, SZK18, TAB+18, HPP+18]. establishment [CRRC18, Mar99h, XZ14b, ZXW+18]. estimate [Dal06]. estimates [HV03].

Establishment [AdVAGF18, KSSG16, CBK+17, EW97, JOPW14, KS18a, KS18b, LSL+15, LF05, Pol98, Wal94]. establishment [Dal06]. estimates [Dal06].

Estimation [AdvAGF18, KSSG16, CBK+17, EW97, JOPW14, KS18a, KXS+16, KMK+14, LSL+15, LGZY18, NS17b, PS10, PT02, PC+17, RAKJ18, RMDB18, SHP+16, TMDZ15, WOPW13, YZWG18, YSZW18, WSLH18]. estimations [IDM+16].

Ethernet [HJCD05, MGH+05, WTC+02].

Euclidean [DL03]. Euler [GKS05].

EURO [Kaa98]. EURO-VR [Kaa98]. Euromed [EV98].

Europe [HB98, Lid99, Wil00, Ano84h, ES94, Pol98, Wal94].

European [Ano84e, Ano86h, Zna94, CPB+16, Dek86, LPC+05, Mur95, Nar96, SS90].

Evacuation [LG18]. Evaluate [Szu98].

Evaluating [ABTA18, BSCC06, HA18, HBJ+03, Len16, AMR16, ALFR16, BGL+05, OA17, RMJ+18, VK17].

Evaluation [Bal93, BY93, BP94, CGN18, CG09, CPP16, CW93, FK12, GSD95, HRJ+04, KV+18, LSS94, SS17, YDNV16, ABGM919, ADK06, AEM10, BGI+14, BBBD01, BARMB14, BDZ+13, BMU18, BS09, CCRV13, CHS+18, DSS98, Din99, FG93, GS13, GE13, HD05, JAD+16, JWW14, JFZL17, KSY92, Kun94, LCP04, LN04, LB09, LSD+17, MZC10, MSK03, MEO1, MOK06, NPO6, Nis93, OP97, Par04, RPMG10, Shi04, SSMG95, TDL17, VVB11, WGL92, WW+14, YJA03, ZMP10, ZWD18, ZXZL18, ZY90, ZGCM00, dO00+13].

Evaluations [SYP+10]. evaporative [BMZ10]. Event [HCB16, L17a, ML+18b, ML17, NJH+18, ZSP17, ABB+03, BK11, BMP+16, FLT17, GKI05, HMP04, KN+18, KZCW13, KN06, LLG+16, LCCM18, MWQ+14, NJ17, ONHT89, PQBP17, Ste00, TCN+16, VETT16, WHM13]. Event-Based [ML17, KN06, PQBP17]. Event-driven [NJH+18, ONHT89, VET16]. events [Ano96a, DdM10, KBDL18, KAS+18, LC13, RT06, XLW+15].

Eventсенsational [Ano96b].

Evidence [CPE+17, WW11, ZGZ+10]. evidence-based [WW11].

EVLBI [SHJS+10]. Evolution [CSV+12, JCSS01, DLF017, Dub91, DM+05, EL98, GVBG17, HZL18b, J195, KKS18b, KS18c, LWZ18, Moc99, RGVGSS14, R99, WZL18].

Evolution-based [JCSS01].

Evolutionary [KOT18, LFL+17, RCMT18, dCTVC18, ACML05, EL98, GKT15, Hon87, JGF18, JC09, LKG08, LWY18, MBB+18a, MCA18, NF13, Nos98, OVDV98, SG13, TdPF+17].

Evolving [DSCJ18, EL98, LIW04, LRBW17, SISG18, NAD+18, SW99, SLB+17, THA+17].

Evolution-based [JCSS01].

Evolutionary [KOT18, LFL+17, RCMT18, dCTVC18, ACML05, EL98, GKT15, Hon87, JGF18, JC09, LKG08, LWY18, MBB+18a, MCA18, NF13, Nos98, OVDV98, SG13, TdPF+17].

Evolving [DSCJ18, EL98, LLWN04, LRBW17, SISG18, NAD+18, SW99, SLB+17, THA+17].

EWSL [Ano86h].

Exact [CSdCM+17, HIG05, Röbl].

Example [DFSZ88, KA88].

Examples [GJS+14, tTvH96].

Exascale [DBD+14, Eng14, FBS18, DYI+16].

Exceptions [GGLD10].

Exchange [AC92, AHL11, GPK05, OPT+17, TLSC17, WWW+16, ZA13, ZW18, KGdL11, LSH+11].

Excited [REM04].

Exclusive [CXC+18, FLT17].

Executing [WS05, CCL11, KTTK17, TKA+18a, TVB18].

Execution [ABF93, CM01, CBK+17, ATFF11, AEK+18, AKNP01, AR98, BBBD01, BKSS02, BFC02, BB113, CRLR17, C11, CzZ+13, CY90, DJZ+15, DGD15, Dup90, EHT10, FX07, GR96, GMEL08, GL04b, HMM18, KP00, KS18a, KHG13, KC14, KuRAk+18, KN10, KGT15, LAL+14, LWS+12, M1T18, MMRL17, NF13, OP95, PdeA12, Pa+14, DL514, QCY17, RCC+15, SV16, SHP+16, SPF+17, SM01b, SL+17, T+14, TGM11, dOWdAS+18, ZT10, ZT90, ZT91, ZZZ+10].
**EXEHD** [dSMAdR+17], exhibits [VPA+18].

**exhibit** [VPA+18]. existing [BCP18, DGY+18, GJS+94, Hab05, KY85, MFG+14].

**exome** [CMX+16]. **Expanded** [Sha16].

**Expanding** [CGCB+12], expansion [MIL15], expectations [Nis93].

**Experience**

[BBH+93, CR92, HXL+18, Oku92, AKB18b, GTZG+18, Luk89, QLM+18, RvdSB+03, RRS99, SSST17, TBB+17, XFM16, YJA03].

Experiences [KB09b, MPB+07, ABB+03, ACE02, GMS09, Jon00]. **Experiment**

[DGS09, BRNR15, Mdo00+17].

**Experimental** [GGH+03, LW+18, CCT13, IAM+18, MLC+11].

**experimentation** [CPGBC16, GTSAR+14].

**experiments** [VGR16].

**Experiments** [Hey90, PEG05, Vre89, BPP+07, GL04a, GCV+14, MCS00, MGH+05, MVT+99, PBC+16, PBC+17, PKSC02, dOWdAS+18, YA02, CN92].

**Expert** [CAS+18, Coo86, Hlr89, Van87a, vdB86a, Aro87m, BT93, DFT92, DW87, DBS14, EO86, Gil85a, Han89, Hen87, Keg89, Kom89a, Mar86, Mat89, Miz89a, OS92, Par87, Pud87, Ste85, Tak89a, Tak89b, VM93, WGM15, WYN+90, Yam89, YWA+89, Zem86, vDR87f, vDR87d].

**expertise** [DKKKF18, KZA+18, SG17, Zad87].

**explicit**

[HV92, MWPVB12, TS0B15, XLZ+14].

**exploit** [EDH+13, GCC17].

**exploitation** [KLM+05, SK12].

**Exploiting**

[AM17, BCF16, CGP14, CSL17, CLP+14, Joh89, MPP13, NSI02, PQBP17, RGN+18, WC14, Zha03, ADK+09, CC16, CPSRG14, HCC+14, HOD16, HNZ18, KAS+18, RG04, VVC+12, ZS90]. **Exploration**

[BKS98, BMP+16, DBD+14, RTHB17, RLR13, SGR19], explorations [SNC09].

**Exploratory** [CFM17, Tak05], explore [dSMAdR+17].

**Exploring** [ABdLL05, BFP18, HBN+13, LB03, LWF+17, MKS18, YZW+18, AMB03, SNC18].

**Exponential** [EL03], exponentiation [WSQ+16], exponents [DE03].

**Exposing** [CGL15, BBW08], exposure [WG13].

**Express** [WKF03], Expression [R987].

**Expressive** [Par90, Avg90, SCZ+14].

**Extended** [ZYXL05, AC92, DAV92, SCL14, ZGZ+10, ZW+18, dR90].

**Extending** [BDP11b, CS96, LWT18, RGDML16, SY04, Ste92, TG04].

**extensible** [BMRW01, GB99, LKN+13].

**extension** [GPA96, SPK+07, VKK14, ZXJ+14, ZWL+16]. **External**

[LYZC15, CN17, LQK+16, MFT+17].

**extraction** [ASY+18, Cha11, GKI05, GWC+16, HWT12, PRW14, WM07].

**extrema** [PSS+18].

**extreme** [FRB+14, KN18, dSFP+17, TKRA14].

**extreme-scale** [FRB+14, dSFP+17].

**eye** [KKCL18, MKS18].

**F** [Teb86, Zhe86, vDR87g, vDR87f].

**F2C** [SMBMT+18].

**fabrication** [SKT02].

**Face**

[GPV+14, CZ12, HWT12, HNQ+18, HLL12, LTJK12, LLSL18, PSS+18, YPCK12].

**FaceDCAPTCHA** [GPV+14].

**faceted** [XZ14a].

**facial** [SGL99].

**facilitate** [GVdBDL15, SHJ06, XLL18b].

**facilitating** [NAD+18].

**facility** [RG04, LJR+06, SBD06].

**factor** [ADK06, ED19, HDH+18, LWD+14, LN+18, RJ+14, WLS+18].

**factorization** [GGMS18, MvdV01, WTS14, WYL+18, ZCH+17].

**factors** [CN17, WGM15, CzZW14].

**factory** [HMW+19, HMW+19].

**facts** [CZ14].

**FAIL** [HTV07].

**failure** [BMR15, HWS07, LPM18, LJG18, MSI+12, RRU+18, YIA17, vDR39a].

**failure-aware** [YIA17].

**failures** [BDNP13, DLW07, GJY18, JS13].

**Fair** [CA15b, HC+18, WWW+16, YZ12, WXY15].

**Fair-Play** [WXYL15].

**fairness** [KV09].

**fairshare** [OUE13].

**false** [LY17].
FAM [KKYK04]. families [ZXM+19]. family [GGS13, MCG+15, SLW11].

FAMOUS [KKA18]. FAN [CG09]. far [BBJ+06]. far/near [BBJ+06]. farm [BFLL99, Bro02]. farming [KK16]. farms [MD12, NP03]. farthest [FJ18]. Fast [BLAN+16, DSK+14, GGN17, GEAR13, HYS04, Pan95b, SO98, WLP10, XKB18, ZFY18, BM00, CHWW13, DST14, FLT17, HIA+18c]. JFZL17, KKH10, KHM13, LSY+16, LPY+18, LC15, LZY13, LN94, NS17b, RRU+18, VBL10, WWD+14, YIA17, ZA14]. FastDesk [SWW+18].

Faster [BRMN04]. fat [WWQ+18]. fat-tree [WWQ+18]. Fault [AFP07, DK14, GCV+14, LAM07, LYW+16, PCB99, SAPA17, Xia06, AMH02, ASTEP98, AFB+15b, AFB+10, AGKZ18, AMR18, BCI+18, CLZ18, Cdd07, CY12, CCL11, DZZ+15, FD02, GdVC10, Han89, HTV07, KA08, KLO2, LCBF13, LHB95, LSTV07, LS01, LS08, PWY03, PIP18a, SG05, SPR+10, Szn89, THKG98].

Fault-prone [AGKZ18]. Fault-Tolerance [PCB99, Cdd07]. Fault-tolerant [DK14, GCV+14, LAM07, LYW+16, Xia06, AMH02, AFB+10, DZZ+15, LCBF13, LHB95, LS01, LS08, PWY03, SPR+10, THKG98].

FCI [HTV07]. FCM [GGN17]. FCN [FC09]. fear [MGA+18]. Feasibility [AKW09b, AKW09b]. Feature [SLD+18, BM00, Cha11, DH16, FTK+14, GNGG17, JLQZ18, KP18, LZL+12, MBC+11, MDD15, MGA+18, NK18, PCC18, PSS+18, PDLS+99, SK06, WM07].

Feature-based [PDLS+99]. Features [NS17b, AMBB18, AKP+18, AGA18, CPP+18, CAL+18, DGST09, FNA12, GAF10, H002, KHO+19, KG09, LYXT14, WLZ+14, XYX18]. featuring [LLH+03]. FEC [EBCP18]. Federate [BCF+10, CYLT05]. Federated [BR10, SVC+07, APAZ17, AK14, CFVP12, dCCDFO15, CGJ+10, GCV+14, HFM19, PP10, PBV+13, PFRC16, PPL+15, SLB+17, SLZ+18, ZZDM+18, EH10, LHL09, Lea13, Lea15, TS08]. Federation [FMN+17, VHML10, COC10, FLPP05, KBB+16, RHB08, TOS18, YNS12, CCM+14].

federations [End13, MLM16, MPR+16, RMHM17]. federative [HB00, Joh92]. Feedback [GL112, CWJ+18a, PQBP17, WWSM98]. Feedback-based [GL112]. Feedback-forward [JL98, RM97], feeding [KO11]. FEM [BBJ+06, GNOY01, LF05b]. FEM/FVM [LF05b]. FENNEL [SLG+17]. Fermat [WTS14]. fetch [GTMZ17]. fetching [SR12]. fetch [AMA06, DE03]. FGCS [CRW+16, GVTdL18, Mes02, Nis93, PC18b, Ser95]. FI [AKM18, SL10]. Fiber [HICAFM+06, WXZ+18a]. field [BBJ+06, CGIP14, HPP+18, KS17a, LZH+18, LLI+18, PDLS+99, SZ98, SMC18, TSL16]. fields [MJ98]. Fifth [Her84, HV84, TR85, Ais88]. Fur92, Lin84, vdrR86b, Ano86i, FS93, KI89, Sti93, vdrR93a, vdrR93b]. fight [WZ+18]. File [AHEM17, KLS05, ACC+05b, Dog09, DLXR14, GCCC+07, G05, GTMZ17, KO11, Li15, MLG13, MM08, MFL18, MM18, MMLO18, PCG+06, SK+07, USK16, UdvW+18, WX02, WLP10, WZ+18, YCY10, YSC+15, ZXS+15, MBC+11].

File-based [KLS05]. file-sharing [MM08]. files [LLF+18a, SCY01]. filesystem [MCQ+07, YZZ+18]. filling [SW05]. filter [HAA+16, HIA+18c, JYZ+18, SGB+18, TM05, WC14]. filter-wrapper [HIA+18c]. Filtering [KMC18, DCC13, EAA16, GCD+18, GDA18, KKB18, LCL+16, LCW+18, LQLX10, MGV18, PQBP17, PC099, RW18, ZRZ+14]. Filters [ML17, ZL13]. FIM [HDH+18]. finance [BS04, Par94]. financial [AM16, Kea93, KK14, QGT+18, TMY05]. Finding [BBH18, CsCM+17, LXM+18, LG18, DvdHGD10]. Findings [WBM99].
Fine
[SJ18, AMBB18, CZZ+18, JLY+18, LCL+18, LZLL18b, LC03, LZHY19, MLW+18a, VVB11, WC14, YAX+18, ZMP10].

fine-grain [WC14]. fine-grained [AMBB18, CZZ+18, JLY+18, LZLL18b, LC03, LZHY19, MLW+18a, VVB11, YAX+18, ZMP10].

fine-tuning [LCL+18]. finer [ZFS+18].

finer-grained [ZFS+18]. finer [LWF+17].

Fingerprint
[MPH00, GAFFOG12, LZL+12].

fingerprinting [KPB18, RS17b]. Finite
[Tab06, AO06, BVDF00, CS93, LDS06, SW05, Tho06, WAEO06].

Fingerprinting [LCL+18].

First-principles [Gil94, SLZ95, BT93, Che13a, GTCZG18, HRJ+06, Par87, WRBG94, SO98].

First-principles [Gil94, WRBG94]. Fisher
[CLY14, HLL12]. fitness [CZL+18b]. fitting
[CLC11, MK19]. five [Bal92, Van87b].

Fixed
[Fio06, CFVP03, LZL+12].

fixed-length [LZL+12]. Fixed-point
[Fio06]. Flame
[VETT16]. Flame-MR
[VETT16]. flash
[DLZ+14, LPK17, LPK18, SC3+19].

Flash
[DLZ+14, LPK17, LPK18, SC3+19]. flash-based
[SCH+19]. flash-flood
[LPK17, LPK18]. Flat
[OCCK14]. fleet
[OVDV98]. flexibility [CAB+18]. Flexible
[CRC13, LCBF13, MLW+18b, YXZG18a, dKdOS03, AHP16, BZMY10, BBW08, Bar11, BLRS08, FTD17, HLL+11, JG12, NOF86, PCC+06, PKSC02, SGS+18, TJP15, WCL+17a, YCXW18, ZAB15, ZFH+18, tTvV196].

Floating
[FGG03, KXS+16]. flocculation
[vOB95]. flock
[ELvB+96]. flood
[LPK17, LPK18].

floor
[DVDR92]. Flow
[Ama88, Ama89, BKS98, BDNN02, SCP09, WMN+01, ABMSE18, AKH+04, CAL+18, CH95, EDO4, FMO10, GKS05, GS15, GY90, GXL+18, HORC04, HvHAS04, LRC+18, RV95, SDSP04, VWCV94, VFS01, XSM15, XDH+17, vM94, CG90]. Flow-Aware
[CG90]. flower
[GHEB+18, GJ18]. flows
[AJZ+02, ABdL+03, CDRS05, DS04b, GL95, HAF+16, IOO04, KDHP16, KGT15, LF95b, Prz03, RZD01, WBJ14].

Flubber
[JLI+13]. fluid
[CMM99, GPS+17, WJLW18, Ws99]. fluids
[FPdS04, NEJP94]. Flux [DDJ+13]. fly
[BTM10, HPZL18]. flying
[VL03]. focal
[Ran95]. focused
[CY12]. Focusing
[HPP+18]. Fog
[FSV+19, MMC+18, PDH18, PGTCB18, SM18, WZ18+18, AZH18, CLCY18, FF18, HDA+19, HCW+18, HXC+18, JSMG18, KH18b, LDY+18, LLZ+18b, MLW+18b, MGA+19, PSY+19, QRW+18, RG+18, RR18, WWDF18, Wn18a, WPS+18, YAX+18, ZCX+18, ZCL+18, ZF18, ZSW+18b, RLM18, SMBMT+18, YX+18].

Fog-based
[WZH+18, WWDF18].

Fog-cloud
[SAM18, LLY+18].

fog-computing-based
[PSY+19].

fog-driven
[FFC+18]. Fog-to-Cloud
[SMBMT+18]. fog/edge
[RR18]. foggy
[CYC18]. fold
[AHMS18]. folding
[DCK03, SSLF+10]. folding/unfolding
[DCK03]. foliations
[MPQ03]. followee
[CCJ16]. footprint
[BWE10, DYT+16, LWY+18b, VVC+12, K11].

foreaging
[RC13, V12]. Force
[VLAC+13, FZT+18]. forces
[LKM91, PO00]. forecast
[LCL+18].

Forecasting
[PLA18, PSP+19, CLR18, Ch14, HZL18b, JH16, KSSG16, LFWV05, LPK17, LPK18, LLW+18a, Lin18, PGTBC18, SG15, WSH99]. Forensic
[SK18, DC18b, QC13, QC18, VOCHC17, XFTZ16, KKA18]. Forensics
[JJI+14, CDFW18, LCHW14, PD11]. forest
[BLY+18, CY90, JNHL18]. Foreword
[LL04a, Mes02]. FORK
[HSS92]. form
[GTSA+14, HXY13, Tho06]. Formal
[BH11, BH12, PLC11, AHDJF97, AMMC18, MKM11, Zu01, VV16, XYLZ18]. formalism
[BG14]. formalisms
[OCW14]. Formalization
[WZ16, ZW10]. formally
[HKA+18]. format
[AHL11, ZW1+16].
Formation
[MCA02, DDL01, DBS14, FMRS18]. forming [FZT+18, HW95]. forms
[EL03, YCZJ18]. formula [RS16]. formulations [SS03], forthcoming
[Ano94e]. fortification [KPS18].

FORTRAN
[RBS93, Ben99, CMZ95, Din99, dSL98]. forums [EV99]. forward
[KDHP16, KJ18, KS17a]. Forwarding
[KIMR15, MDB+18b, MLV18b, MRS18b, WZWW18, ZCW11]. found [SSLF+10]. Foundation
[FPX+09, NSF87]. foundations [FLPP05]. four
[SYCH18, CsZW14]. four-band [SYCH18].

Four-factors [CsZW14]. Fourier [DDL01].
foxtail [DJJ18]. four-band fractal
[FLPP05]. four-band fractal
[SYCH18, CsZW14].

Four-factors [CsZW14]. Fourier [DDL01].

fragments [BWR12, BW13]. fragmentation
[ABF+15a]. FPM [CsZW14].
fractal [ASK14, NCS04]. fraction
[WT116]. Fractional [BWR12, BW13].
fractures [RBGA18]. fragmentation
[MSE19]. Fragmented
[ML17, CC07, CCS+10].

Fragmented-Iterated [ML17]. frame
[JLY+18, KTM+08, LYS12]. Framework
[ABTA18, GT+18, KV17, MK19, MPI+18, MWMA10, SDR99, WWJ17, ABM18, ABMC18, ABMMC18, ABGMC19, AAF18, ASAB+18, AT18a, AAS17, AB18b, BvdV99, BBW08, BFL09, BORM07, Bao04, BAD+05, BDH14, CGPDS+13, CMEA+19, CWD04, CSW06, CBCA15, CKR16, CCLS09, CCS+10, CFPC17, CCCC19, CGM+18, DCS+07, DPP03, DMPP16, DPP16, DPP16, EAA16, EV96, FTA+14, FHYH15, FJA+18, FPGK18, FvLTT96, FB93, GVB13, GGC17, GR96, GPK05, GvdBdL51, GMP+17, GIK18, GBK18, HAP15, HKH18, HAF00, HMA+18a, HLL+11, HXC+18, HAA+16, HIA+18c, ISS+15, KSF+13, KC14, KFF89, KPA17, KuRAk+18, KV09, KAS+18, KGLY18, LS07a, LS07b, Lau01, LJ07, LQK+16, LLF+18b, LM07, LvW14, LLM+16, LSL+18, LKK+16, LSJ+14, LS08, MML+18, MNV12, MID16, ML11, MMLO18, NK15, NJ18, NZQ07, NJ16, NOF18, OK02, OE13]. framework
[PBV+13, PADD03, PLCGS11, PF01, PB05, PMT10, PVBH05, PSS01, PcFP+17, QP08, RBA17, RSRA18, SRZD15, SMPC12, SA14, SBAD+18, SMSF18, SAK+10, SG14, SDC11, SYW17, SGS+18, SSB05, SBK15, SYAL13, SLB+17, TZL+18, TY11, Ven09, VK17, VWD+08, WLLF16, WMQ+16, dOWD+18, WLA18b, WG13, WHYZ17, WHYZ18, XFL16, YMLT13, YD05, YPHZ14, YCZJ18, ZSX+15, ZCK+15, ZYTC15, ZZO+13, dNE05, AW03]. frameworks
[BDP11a, DJ13, EET18, HZZ+14, IAM+18, MGT18, Pap05, VEET18]. France [Zna94].

fraud [ZZH+18]. FRDT [KK11]. Free
[Ano86i, Ano87b, Ano87c, Ano87l, KTB18, Zad87, BS04, BB06, CWL+18, CM003, CWW+16, ED19, FZW+18, LTC12, LZZL18a, LL16, LGMV02, Ray05, SMM+14, TJ18, WSU+10, YLL118]. free-boundary
[BS04]. free-riding [WSU+10]. frequency
[AQB15, CP06, CJHH13, IPCA+16, KANS18, MC00]. frequent
[ÇÖ13, CLM14b, IHA18, KZCW13, LY17, LC15, LHW+18]. fresh [GWC+16]. freshness [JJZ+18]. friction [Ned06].
friend [MML+18]. friendly
[InRAk+18, KBB+09, KLR+16], frog
[LCW+18]. front [LLMP13]. front-end
[LLMP13]. frontier [GML+13, TZST14].

FRP [RRU+18]. fruit [HPZL18]. fruits
[HMA18b]. FTA [VR00]. Fujitsu [Uch86].
Full [JJZ+18, AC92, JK17, ZLL17a]. Fullerenes
[She04]. fully
[CCL11, HKS18, IST04, TY11, ZXJ+14].

Function
[VV92, NK05, Omo91, SLL+18, WLXZ18].

Functional
[ABF03, BS91a, IEG04, BBH18, BS92, BRHH18, DMM+99, DRS04, DD07, GSV+10, HK88, HRJ+06, MSS02, YAO14]. functionality
[KD+16, MCQ+07]. functions
[BBH18,
Dua94, FJKK17, KDE04, KTB18, vdR87h. fundamental
[AGKZ18, EHT10, Hul89, YH18]. fundamentals [Kag89]. fungible [ABP18].
fungus [Jun18]. furnace [YWA+89].
FuSeR [SMZ+16]. Fusing [GJ18, LYXT14].
Fusion [KFP+02, SCG+18, CMZ+18, DGA18, FK+14, GHEB+18, GCCL18, JYZ+18, KCCL18, LSL+15, LWT+18, LYW+18b, LZY+16, PCC18, TCC18, YLVY+15, YZG+18]. Future [ADALZ14, BFS+17a, Car03, Cha14b, CDFZ16, CRM05, DO15, HYVS16, HYS18, KSM+07a, LKMK1, MR04b, NHG03, NDZ+18a, AR18, ACSDR17, Ano87b, AGMT17, BS17, Bis94, BHD09, CLCY18, DD86, Fil91, Fur92, GMS09, GBMP13, Hul89, KIM07a, KAR+14, LLM+13, MYM+18, Nag86b, PTD+18, SB99, Zhu14, dCTVC18, Slo06a, Slo06b].
fuzzifying [YH18]. fuzziness [FLR+16]. fuzziness-embedded [FLR+16].
Fuzzy [AS18b, HZL18b, IS18, KLV+18, NDZ+18a, NDZ+18b, SMZ+16, Alp18, Bag16, Bu18, CPE+17, Che14, CAL+18, Che18, GBY16, KHMB13, LSZ+16, LAH10, LWS18, MLGB+17, OMD+18, PB05, RAKJ18, YAO14, ZL04b, ZDW+18, vdR87f].
FV [GL95]. FVM [LF95b]. FY [NSF87].

G [vdR87g, vdR87h, ABG02, AVPV17, BGH+03, FNA12, GRPL04, HBJ+03, THN+06, WTR+13, WBF08]. G-Hadoop [WTR+13]. G-lambda [THN+06]. G-PM [WBF08]. G-SPAMINE [AVPV17]. GA [CEGL01, HMH17, LLW04]. GA-based [CEGL01]. Gait [AAN+18, WCB+18].
Gait-based [WCB+18]. Game [FEPC18, IS18, KIMR15, LKCS18, YLW18, YJ+16, DPL+14, JLQ+17, JLCC12, KMC18, KK14, LJ17b, LN13, LWS18, SBK18, TSLC17, WWR16, YMY+17].
game-theoretic [JLQ+17, JLCC12, KK14, TSLC17]. games [JLQ18, PN09, YC13]. GAMESH

Gbps [KSW+13]. GCel [vOB95, Cro95, RV95]. GCel-3 [Cro95]. GCel-3/512 [Cro95]. GCR [VFS01].

Gearing [WMJW18]. GECEM [LW08]. gel [CGH04]. gel-based [CGH04]. GEMMA [BPP+07]. GEMS [WBT+08]. Gen [MR04b]. gender [RSY+18]. Gene [ST+05, DMN+05, MS+16, TBD+02, KBVH14]. Gene/Q [KBVH14]. Gener [BFS+17a, Cha14b, HYS18, KSM+07a, NDZ+18a]. General [HHG05, SL97, Zna94, AKW90b, BRNR15, FWB13a, HQZH14, LDSH95, PCC18, VVB11, WJZ+17, WHP09].
general-purpose [AKW90b, BRNR15].
generalizable [LWV14]. generalization [WWZ18]. Generalized [KY04, IS03, MvdV01, PSLZ18, SKT+08, SA97].

Generalizing [PPH+09]. generated [AHL11, DGGH11, HGG05, HHXL13, LZP+18, PO00, RTHB17, SK18, ZHL+18].
Generating [GKS05, JWW14, TSZP99, DK00].
Generation [BDF+99, ChK11, DO15, HYVS16, Her84, HV84, Kow85, KI89, LJ17a, NHG03, Slo06a, Slo06b, St193, vdR93b, Ais88, Ano86i, BDP11a, BP02, CsZzG+13, DCM15, DDS+09, DR05, Fur92, GLM+12, GOMDB98, GMdFPLC17, GZ04, HJK+04, KVR15, KHM+13, KIM07a, Kow84, LS84, MVC+03, MYM+18, MVL+18b, NDZ+18a, NDZ+18b, PO00, PJD013, Par87, PFMC04, Ste85, TDL05, TR85, VB18, WYN+90, YCZ18, ZCX+18, ZNC+18, ZGCM00,
HA-OSCAR [LSLS05]. Haar [MGA+18].
hadoop
[GGN17, CRB+16, IPCA+16, NK17, RD14,
TF18, WTR+13, WLH18, YIA17, ZTD+18].
Hall [vdR87b]. Hallam [vdR87a].
Hamiitonian
[MR04b, Amo06, MR03a, SJR13].
handheld
[vdR87a].
Handling
[GGN17, CRB+16, IPCA+16, NK17, RD14,
TF18, WTR+13, WLH18, YIA17, ZTD+18].
Hall [vdR87b]. Hallam [vdR87a].
Haptics
[AMO13, LK06, BB04, KDE04].
Hardware
[AMO13, LK06, BB04, KDE04].
Hardware-assisted
[AMO13, LK06, BB04, KDE04].
Hardware-aware
[AMO13, LK06, BB04, KDE04].
Hardware-based
[AMO13, LK06, BB04, KDE04].
Hardware-oriented
[AMO13, LK06, BB04, KDE04].
Harmonic
[AMO13, LK06, BB04, KDE04].
Harmonizing
[AMO13, LK06, BB04, KDE04].
Harness
[AMO13, LK06, BB04, KDE04].
Harnessing
[AMO13, LK06, BB04, KDE04].
Harvesting
[AMO13, LK06, BB04, KDE04].
Hashtag
[AMO13, LK06, BB04, KDE04].
Hashing
[AMO13, LK06, BB04, KDE04].
Haskell
[AMO13, LK06, BB04, KDE04].
HASTE
[AMO13, LK06, BB04, KDE04].
haul
[AMO13, LK06, BB04, KDE04].
Hawaii
[AMO13, LK06, BB04, KDE04].
Hayes-Roth
[AMO13, LK06, BB04, KDE04].
Health
[AMO13, LK06, BB04, KDE04].
Healthcare
[AMO13, LK06, BB04, KDE04].
Heterogeneity
[AMO13, LK06, BB04, KDE04].
Heterogeneous
[AMO13, LK06, BB04, KDE04].
Heuristics
[AMO13, LK06, BB04, KDE04].
Heuristic
[AMO13, LK06, BB04, KDE04].
Heuristic-based
[AMO13, LK06, BB04, KDE04].
Here
[AMO13, LK06, BB04, KDE04].
Hereafter
[AMO13, LK06, BB04, KDE04].
Help-On-Demand
[AMO13, LK06, BB04, KDE04].
Helping
[AMO13, LK06, BB04, KDE04].
Helpfulness
[AMO13, LK06, BB04, KDE04].

Identification [WLZ+14, AFO+18, CPP16, DCS+07, HNO+18, HZW+16, KZA11, LLQ14, LW17, SK06, VOCH17, WLL16, WCB+18]. identify [HIA+18, KAS+18]. Identifying [AHS+18, PSLZ18]. identifications [TOS18].

Identity [HSM13, HYF18, ZDW+16, CLM+16, HCL+17, LK12, MLM16, PLCS11, WMX+17, Wan18b, WZCH17, YXA+16, Sar18a]. Identity-based [HSM13, HYF18, ZDW+16, LK12, WZCH17, YXA+16]. ideology [Sap88]. Ideo [CLR18].

doctor [ZCH+17]. IDS [HNCJ13]. IEC [YS16]. IEEE [BGL08, CF09, KZ17].

IEEE/ACM [BGL08, KZ17]. IFC [An02b, An03a]. IGR [GHH+03, DBdL03, SDBdL06].

iGRID2002 [MWC+03, CALN03, LLH+03].
nGRID2005 [GdBW06]. II [vdR87c, GML99, RVC16a, WGL92]. III [KGW95, YDD+18].

illumination [LLU+18]. illustration [Avg00]. ILU [KZC04, LN94].

ILU-relaxation [LN94]. Image [MSM+18b, YXD18, AMBB18, BDNP92, CEGLO1, CEJK94, DAG18, EFD00, FMV14, FP03, GHEB+18, GPV+14, GDA818, GML99, HYS04, HL16, JZY+18, KO11, KZA11, hKBBI1, KKV+99, KVHT10, KE85, LHJC18, LSZ+16, LLW04, LZL+12, MGLV04, NOF18, OcdAm07, PK99, Pet95, PCD99, VOCH17, XWX+17, YDK11, YCY10, YSC+15, YJS18, ZFY18, ZSMS18, CSV+12]. image-retrieval [YJS18].
imagery [EdBG+99, PDK10]. images [BCT+07, Cha11, CCM98, DCC+14, FCD+14, GR5+19, HAM18, HWWT12, JP18, KOH+19, LLU+18, MLS01, RICW00, SGL99, SMC99, WWCN13, XJWW15].
imaging [DMMP98, DMM+99, OM10, SYCH18]. imbalance [CdS015]. iMeter [YZLQ14].
immersive [WKF03, CN98, RMM+98].

IMMSIM [PKSC02]. Immune [BCS99, BZMY10, CZY+18, ED04, KRLR01, LFL+17, PKSC02, ZZN04]. Immunization [ZHL+18]. Immunization-based [ZHL+18].
improvement [HAF+16, KESL17, RA12, dACNC16, ABM18, AGKZ18, Car03, CRVZ15, CRB+16, CBL13, Dmb91, HHD+12, TLT06, WAD+09]. impacts [BNJ16, PLLA18, SCG+18]. impelled [PR14]. implantable [ABS+18].
implemented [HHSW92]. Implementation [BS91a, CYB90, CCKW88, DCK03, EPJ+05, GL95, GSD95, MMV08, MD92b, Piti96, SM10, WMN+01, YCYT0, mM05, AMN18, ABG02, AKMK05, ACGtD02, AAB+10, ABK94, Ber96, BS92, BG05, BL92, CMZ95, CS05, Cy88, CD99, DHS00b, DvdHGdL09, GVDT16, GHLW18, G93b, GY90, GC94, HL+16, JL03, JYY+17, JKR12, KO11, KANS18, KVHT10, LJY01, LL04b, LS17, LGW+17, LY09b, LH07, LC03, Luk00, LMH+09, MK17, MVT+99, Mun88, OBK88, OBG+18, PR95, PS+07, PNT10, SPR+10, SM96, TLC+15, TMM+13, TBB+17, VVC+03, VSM02, VS88, XKF+18, YJA03, YdOL5+05, ZN12, ZZQ+13].

implementations [VSvD95, An06a, DFGR14, NS99, ReF87, ZSW+18a].
implement [BTM10]. Implementing [CS93, CMD+14, YJA03, HS98, Pap05, PK11, RM97]. implications [CHS+18, IHK+18, LDP+13, PR95, vdR87d].
implicit [CJW16, ID98, XLZ+14].
importance [AMT+12, MS03]. important [LXM+18]. imprecise [SK12]. IMPRECO [CVG10]. improvement [vdR87l]. improve [CLP+14, GMLG+17, LK08, LH+15, OD+13, RMSPP17, SMC99, ZMJ+06].

Improved [ESP17, TA18, TV16, BBI13, HZL18, HLZ18, JLQ18, KKYK04, LZG12, WN10, YDD+18]. improvement [CHS11, Ho93, MJM+16, WTS14].
improving [AMMC18, BRFMRWA15, BL13, Du94, ECPF17a, GIM16, HAF+16].
HCNT14, HMA18b, HXL+18, LLC11, LYS10, PKC04, PAB+14, SS04, SG13, TS08, WLML17, YZ18, ASD12, AB95, GVI13, GJKP18, HBCR01, SBA+17. imputation [CRYG18]. in-core [CKFJ06]. In-Mapper [MLC18b]. In-memory [GQLX18, BYL+18, USK16, UDvdW+18, WZS+18]. In-network [PJDO13, ZZDM+18], in-place [PWMX17]. in-transit [AHJ16]. In-VIGO [ACC+05a]. incentive [DWJM18, GA13, HJK18, HDLW13, JLO+17, RHB08, XY15, ZA13]. incentive-based [RHB08, XY15]. incentive-compatible [HDLW13]. incentive-driven [HJK18]. incentivized [BDP11a]. incident [FM17]. incidents [TMS+17, dSGD13]. including [LRMC94]. inclusive [FLT17]. incompatible [VFS01]. inconsistent [XYJ+18]. incorporate [YMW13]. incorporating [SPBT07]. Incorporation [GMB+05]. increase [LVH08]. Increasing [IDM17, KHS18, WXLY16]. Increment [SS03]. Incremental [PBL+18, XWM18, CAPG18, FRB+14, KMB16, LKM14, LY18a, LPY+18, PVBH05, ZFS+18]. incrementally [GGYJ16]. increments [Tor04]. Independent [FMSSM12, CFL+18, EG18, Fio06, Ger02, GVA+16, LLH09]. independently [BSC06]. Index [An000a, An000b, An001a, An01d, AO06, An05b, An08a, An08d, An09a, An09a, An09a, An092a, An092b, An092h, An09i, An093a, An093i, An094a, An094b, An094g, An095a, An095b, An098a, An098c, An098e, An098f, An098g, An098h, An098i, An098j, An099a, An099b, An099c, An099d, An099e, An099f, An099g, An099h, An099i, An099j, An099k, An099l, An099m, An099n, An099o, An099p, An099q, An099r, An099s, An099t, An099u, An099v, An099w, An099x, An099y, An099z, An099]. indexed [LSL+15, WXLY16]. indexing [ARP14, FMV14, KCKO4, RTS+16, SB17a, SLZ+09, WHMO13, QZZ09]. indicative [ZCN+18]. indicators [DPS16, KJFS12]. indices [TBD+02]. INDIS [GVTdL18]. indistinguishability [YZW+18]. indistinguishability-based [YZW+18]. individual [CN17, HZM14, PS10, Sch01, Mor01]. Individual-based [Mor01]. Indoor [SLK17, HST+18, HDH+18, HZZ+18, LwW14, Mat18, MLGGB+17, MKS18, OMD+18, YYD+14]. Induced [vOB95, LSV+18], induction [PMK18]. Industrial [CHK98, DM12, Gal87, LG08, LHO17, LW18a, LuK00, PTD+18, Sch94, Slh84, Sni86, LG08]. Industry [JC15, Kaa99, Mur95, BGR+99, FG18, Kaa98, LPG+95, QGT+18, Ros94, ZSMS18]. Inexact [BMZ01]. infants [CPE+17]. Inference [AP96, BB84, Her84, HV84, KKYK04, Bal93, DD86, BRR+04, BT17, BNJ16, BGP18, KMB18, KV12, KAS15, KPYK04, KPB18, KG12, BRR+04, BT17, BNJ16, BGP+17, BMH10, DBNP92, Car86, CCJ16, CWZ+17, CWJ+18a, Dek86, DGGH11, Dub91, EV98, FMS08b, GZLZ16, GRTV10, GCCL18, GFD14, GWC+16, GB99, HZ10, HPP+18, HYC04, JL08, JC09, KKKYK04, KP18, KV12, KAS+18, KH89, KB16, KK97, KB16, KK97, LXLS09, LHJC18, HDH18, HZZ18, LHY08, WRCC17, WXZ18, XWT05, WWZ18, XMS15, XC10, XL+14, ZWS+12, vdHSL+15]. Information-centric [AT18a, RLL+17].
Information-Powered [TAB+18].
Information-theoretical [ZZ15].
Informatique [Ano85a]. inframetric [FWB13b]. InfraPhenoGrid [PAC+17].
infrared [HYS04]. Infrastructure
[AT02, HGM15, TSTL16, VDTK12, BBWB+18, BMU16, BC15, BCT+07, BH13, BCD+18, Car03, CCM18, CO03, CCM+14, CD08, DWS12, FG14, GGTRRC16, GAI+18, GdBW06, GNWT05, HMM18, Hua05, HZW+16, JLU03, KZ14, KuRAk+18, KBB+09, KCI+13, KK14, MSS+13, MLC+18a, MBS13, MGLPPJ13, NSS99, PP10, PAC+17, RMVG+10, STTK03, SP93, ANE13, CPGBC16, GRL11, LPD+13].
infrastructure-as-a-service [KuRAk+18, KK14, LPD+18].
infrastructure-level [FG14].
infrastructures [CMZ+12, CRM+16, CA15a, ENC+12, EMJ+13, FQBCF15, FPGBK18, GDP+18, GFD14, HZ10, LTN10, LPK17, LPK18, LPBB+18, MT17, MFR13, MPR+16, MLGS16, PT05, PPL+15, RMHCMG15, SFR15, VHML10, WTM+17, WHYZ18, dSGD13]. infused [ZSP17].
initial [SMMG95]. Initialiation [OVK*09].
initiative [DR89, MLC+11, YCH19].
initiatives [dLRW03]. initio [LDHS95].
Injecting [GRTV10]. injection [HTV07].
injuries [PWP+18]. Innovative
[Cuz14, KTMR+08]. InOt [PLA18]. input [Ada06b, WHCZ18]. input/output [Ada06b, WHCZ18]. ins [MS01, HYS04].
insecurity [BP13]. Insertion
[GK18, MAC+17, LZL18a]. insight [BCT+18].
Insights
[Cur92, AC16, GTSAR+14, KFO0, WLHH18].
inspection [LSZ+18, RSA18]. inspired [BW13, FM10a, IGB+14, KKS18b, LCW+18, VV16, XZZ+14, ZYW+18, ZEO98, ZEO01].
installment [SOIS12]. instance
[FCY18, Leo01]. instance-based [Leo01]. instances [BKSS02, CLRL18, DR18, Leo98]. instantaneous [MRV01].
institutions
[Van87b]. institutional [BH13].
instruction [GD05]. instructions [Goo01].
instrumentation
[BP01, BDZ13, MPM09]. instrumented
[GD93b]. insurance [ABZK15]. integer
[GG17]. integral [de 94]. integrate
[BFLL99, BOP+14, GRCP+17, PBB+05].
Integrated
[AS18b, CT09, SDBdL06, BCMA07, CM17, DZJ+00, Dui89, FHYH15, FCD+14, GDRS04, IdLR01, KAS+18, LY90b, MF+16, PDH18, Re87, STTK03, SGKC10, SHT02, WG91, WSL0, YZL14].
Integrating
[BCMR01, HC17, LCL14, BDZ13, PVS+14].
Integration
[APRC16, AFF+09, AKW90a, BdlPP16, CCY+18, DP17, FP14, RAA+18, AMB03, CGST09, DPP03, DDR+07, GACM17, HYC04, LFL+18b, MG+18, MR03a, MR04b, RMC+18, SYG+07, Sin07, SMM+14, SPK18, SAC11, WLLF16, YWF+10, ZMP10]. Integrative
[LG3+07].
inTEGRATOR
[KL03]. integrators
[DV03, IS06, MPQ03]. integrity
[GSC11, HKA+18, JZJ+18, LYG18, LYZC15, OB04, SL87, SHJR04, WWRS16, YXA+16].
Intell
[FHG95b]. Intellect [AS18b].
Intelligence
[ACC+16, Cha14a, Jun17, Kow85, vdr87a, All92, AB18b, Ano86l, Ano87b, Ano87c, Ano87l, Cha14b, DD03, EO86, GJRP18, GSN+18, HDA+19, How91, HL+18, JNR12, Kow84, LST+18, Lop96, MCA02, MCWP16, Niw89, Odd14, QC18, RB+88, Sch85, SSST17, SJL+18, Szu98, Szu01, WM84, YZW18, YZL14, vdr87b, vdR87c, Ano84e]. Intelligent
[DX14, GCD+18, Hsu14, Kim18, KH89, KKF07, LQ+18, MTTM08, XJK+18, AHMS18, BK+18, CPDJ13, CSJN05, COC10, HMK19, IKB99, KFF89, KRLR01, Kol18, LLZ+18b, MWC+03, MAY18, NAD+18, NWS17, OMD+18, PTD+18, PKY+17, SLe14, SDC11, Ueh89, VFHB14, XB14, XLZ18].
intelligent/cognitive
[BKS+18]. intensity
[GZZ+18]. intensity-modulated [GZZ+18].

**Intensive**

[DO15, ATdC+16, BMK+14b, BPS+03, CkLC06, Cuz14, DST10, GVURIVBV14, GJ15, IDCJ11, JFZL17, KS18a, KGVW14, MFP05, NSSA+14, Pa09, Pet95, RSJ+14, SY04, SLC+17, SBD+18, TdPF+17, TJLT00, Tsb16, TCBC18, TS18, VVB13b, WTR+13, WZZ16, WHY17, YFY+13].

**intent** [KPM+18]. intention [JLQZ18].

**intentions** [FTD17].

[DVV90, CLL18b, DDR+07, GS95, GGLW18, LD17, LYS12, SRZD15, SB16, SBP+17, SBL18, VOS12]. **inter-cloud** [CLL18b, SRZD15, SB16, SBP+17, SBL18].

**inter-connectivity** [VOS12].

**inter-enterprise** [DDR+07]. **Inter-process** [DVV90]. **inter-purchase** [GGLW18].

**inter-service** [LD17]. **inter-stream** [DS04c].

**inter-view** [LYS12]. **inter-stream** [DVV90].

**inter-cloud** [GZZ+18].

**interface**-based [GHY+18]. **interfaces** [ABF+15a, dRADFG18, BFL99, Bic05a, FJY06, Kam85, PNH99, RSSD02].

**Interfacing** [HC99, PL96, HML07].

**interference** [Höf03, SS13, SMM+14, SdSP04, VVB13b, ZF16]. **interferometer** [Fin99].

**intergenerational** [MCC+15].

**InterGroup** [BAC02]. inter-leaving [BM08]. intermediate

[CEJK94, LZW18, TJLT00, WZZ16, YFY+18].

**Intermittent** [JM02]. internal [KKL09a].

**International**

[Ano86j, CC11, CF09, SST+06, BGL08, CGJ+10, LRJ+06, ML+11, DBdL03].

**Internet** [GTEL+18, HZW+18, LKCS18, RC18, YJHZ14, ZAI+18, LTC12, ABMM18, AKP+18, AR18, AT18a, ACsdRR17, AVPV17, ASAA18, AMP216, BA17, BS17, BBM+03, BRH18, BdDP16, CCLR18, Che14, CMP+17, CBPP18, CDFW18, CMZ+18, CDH+19, DSK+14, DZH18, DRNMC09, DC18a, ESW+17, EAS+18, FG18, FJJ+18, FTK17, FRM+18, GMLGB+17, GBB18, GHYK18, GCK18, GZW18, GBMP13, HDKC18, HKA+18, HZL18a, HHI+18, HPP+18, HIA+18, HCL+17, HNQ+18, HXL+18, HSS17, JBM+18, JYY+17, KWK+18, KOT18, KKYK04, Kim18, KLH+18, LLMP13, LS10, LHO17, LGL+17, LYC18, LDS+18, LRBW17, LWW+13, MK17, MVL+18a, MGL+18, MLGG+17, MHC+18, MG+16, MPLM18, NCCS99, NJI8, OFD17, PC18a, PSVL02, PTD+18, PH99, PLGMCdF18, PPMM+18, PC18b, PM00, QZM+18, RGN+18, RMSPP17, RACA18, RHPV17, RMD818, SAGGB17, SST18, SWY+18, She00, SDDG17, SYW17, SCZ+14, SZGbC04, SCG+18, TLSC17, WWX+17].

**Internet-based** [DRNMC09, LWW+13].

**interface-adaptation** [PSBB15].

**interface-based** [GHY+18]. **interfaces** [ABF+15a, dRADFG18, BFL99, Bic05a, FJY06, Kam85, PNH99, RSSD02].

**Interfacing** [HC99, PL96, HML07].

**interference** [Höf03, SS13, SMM+14, SdSP04, VVB13b, ZF16]. **interferometer** [Fin99].

**intergenerational** [MCC+15].

**InterGroup** [BAC02]. inter-leaving [BM08]. intermediate

[CEJK94, LZW18, TJLT00, WZZ16, YFY+18].

**Intermittent** [JM02]. internal [KKL09a].

**International**

[Ano86j, CC11, CF09, SST+06, BGL08, CGJ+10, LRJ+06, ML+11, DBdL03].

**Internet** [GTEL+18, HZW+18, LKCS18, RC18, YJHZ14, ZAI+18, LTC12, ABMM18, AKP+18, AR18, AT18a, ACsdRR17, AVPV17, ASAA18, AMP216, BA17, BS17, BBM+03, BRH18, BdDP16, CCLR18, Che14, CMP+17, CBPP18, CDFW18, CMZ+18, CDH+19, DSK+14, DZH18, DRNMC09, DC18a, ESW+17, EAS+18, FG18, FJJ+18, FTK17, FRM+18, GMLGB+17, GBB18, GHYK18, GCK18, GZW18, GBMP13, HDKC18, HKA+18, HZL18a, HHI+18, HPP+18, HIA+18, HCL+17, HNQ+18, HXL+18, HSS17, JBM+18, JYY+17, KWK+18, KOT18, KKYK04, Kim18, KLH+18, LLMP13, LS10, LHO17, LGL+17, LYC18, LDS+18, LRBW17, LWW+13, MK17, MVL+18a, MGL+18, MLGG+17, MHC+18, MG+16, MPLM18, NCCS99, NJI8, OFD17, PC18a, PSVL02, PTD+18, PH99, PLGMCdF18, PPMM+18, PC18b, PM00, QZM+18, RGN+18, RMSPP17, RACA18, RHPV17, RMD818, SAGGB17, SST18, SWY+18, She00, SDDG17, SYW17, SCZ+14, SZGbC04, SCG+18, TLSC17, WWX+17].

**Internet-based** [DRNMC09, LWW+13].
Internet-of-Things
[FRM*18, GCK18, RGN+18].

Interoperability [FKBG10, AFS16, BA17, BNJ16, CXXMD18, DGCNM+17, EHT10, GTCZG+18, HA18, KKS08, MRS+18a, NAD+18, SEMJ11, SGM11, TKK+14].

interoperable [CMD*14, DMMM11, HESM99, KK10a, KKB14, SCY+18].

interpolation [DS04a]. interpretation [Hal88, NSHP88]. intersection [NWL17].

interstellar [DRS04], interval [CPK05, Dal06, FZT+18]. Interweaving [RM16]. InTime [PBA18]. intra [GZLZ16, HMW14, JLY+18]. intra-AC [HMW14]. intra-domain [GZLZ16].

intra-frame [JLY+18]. Intranet [PPAK99]. Introducing [ACSdRR17]. Introduction [Ano86k, Fre84, Igl04b, Ano86g, BB13, MRR02, FS93]. intradisciplinary [BLB03, Ray05]. Intrusion [GLXF17, ATX13, F2ZH14, HNCJ13, HRJ+04, KKWZ18, LY10, MC04, PK18, SL18, SBK18, XFTZ16]. intuition [Zad87].

intuitive [GGW*09, MKS18]. invariant [GMdFPLC17, HV03]. Invariants [JK92]. inversion [Bur02]. inverse [Del06, PBT02].

Investigating [CWZ+17, P000]. Investigation [MS03, PWP+18, AAN+18, BP01, GDRS04, KR14, PLLA18].

Investigations [AMM16, DC18b].

investments [HA18]. Invited [ECPF17a, RW13]. Invocation [MBB10, BCFSo2]. involved [GDRS04]. involving [SPM86]. iFClime [MLGB+17]. iMT [TSAER18]. ion [SBS98]. ionic [SWW+13]. iOS [DC17, DC18b].

iOT [ABMM18, AT18a, ASAA18, GBMP13, PPPM+18, RMBD18, ZYA+18, Zhu18, AZH18, AHS+18, AHU+19, AKB+18a, AGA18, BK5+18, Bu18, DSFA18, ECBM18, FFC+18, FJA+18, FMN+17, GAI+18, GZL+18, HCH17, HLL18, HHK18, HST+18, HLT+18, IHA18, JP18, JSC+15, KS18b, KPS18, hKRM17, Kol18, KLV+18, KCCL18, LJS17, LOR+18, LYZC15, LWF+17, Mat18, MBD+18b, MFI+18, MOPGP18, MWL+18b, MRS18b, MGA+19, NAD+18, NGB18, PFPJ18, PDH18, PPS+18, RTHB17, RMC+18, SISGS18, SDST18, SCY+18, SGB+18, SB18, SPS18, SPKG18, SLD+18, TF18, T017, T1L+18, TAS+18, UGBM+17, VF18, Wan18b, WLP18, WYH+17, YH18, YZG+18, YAGG18, YZY+18]. IoT-

[TOD17]. IoT-based [FJA+18, PPS+18, TAL+18, UGBM+17].

IoT-enabled [AKB+18a, TAS+18].

IoT-NDN [MRS18b]. IoT-wireless [SCY+18]. IoTB [CCRL18]. IoTs [ZSW+18a]. Iowa [CN98]. IP [AM02, DvdHdL06, JL14, KHH10, MK04, RS17b, SWC03, SK18, YC05]. IP-based [AM02]. IPSC [BP94, FHH5a, FHH5b].

iPSC/2 [BP94, FHH5a]. iPSC/860 [FHH5a, FHH5b]. IPv4 [KWK07]. IPv6 [BBLP05, LLH+03]. IQ [SzU01]. Iris [GTG1+18, NWG17]. iRobot [HMW+19].

iRobot-Factory [HMW+19]. iRODS [HHB09]. Irregular [VV02, BCMR01, BS04, BF02, GCK8, SBH08, dSL98].

irrelevant [KMC18]. irrigation [SDST18].


Isospectral [Prz03]. Isospectral-like [Prz03]. Issue [ADALZ14, CSY18, DP0S14, DO15, GMP+18, HYZS16, JY15, Mes02, TCG14, TKRA14, YS16, YHJZ14, ADLW12, ARB12, BB13, BD+16, CRW+16, CPSRG14, DFRW17, DDB14, Kaa99, KZ14, KJ12, LNB14, PC18b]. Issues [BvdBM+93, Dekt86, GTSR+14, LLW18, LKA+19, LWHS07, CMT01, F002, GB87, KLH+18, LNB14, SWY+18, SYK+17, TG07, Var00, YK017, ZZF18, ZL12, SM96]. Item [An097d, An097e, LCL+16]. item-based [LCL+16]. Items [BB17, CCMP18, CO13].
itemsets [CLM14b, LHW+18, YK17].
Iterated [ML17, SOD+18]. Iteration [BW97, DGR+15]. Iterative [KKHS01, RN04, BJNH05, BGC+03, CCL11, Čie04, FM10b, GZWQ13, HV03, dSL98].
ITIS’98 [EV99]. ITō [WDD18]. IV [HHXL13].

J [vdR87a, vdr87f, vdr87g, vdr87i, vdr87j, Reu03a]. JACEP2P [CCL11]. JACEP2P-V2 [CCL11].
Jacobi [BvdHN+01, BV04]. jammer [WWTF18].
Jane [PF01]. Janet [BK L01]. January [Hul89, Rho89]. Japan [Ano87m, Fuk85, Kag89, KA88, Miz89a, Nag86a, Sas85, Wii84, Yat88].
Japanese [Ano84h, FS93, Kas85, Lin84, Van87b].
Java [ADT03, AC01, AG05, BBBD01, BP01, Ber00, BKL01, BFW+03, ESPP01, FW02, GW01, LTOT07, LP01, Luj01, LJ07, LRW01, MJ01, MJ00, PJ05, SM01a, SEH99, SH99, SM01b, YdOLS’05, ZM99].
Java-based [YdOLS’05, ZM99].
Java/CORBA [LRW01]. JavaBean [FCW01]. JavaBean-based [FCW01].
JetStream [TCN+16]. JGRIM [MZC08, MZC10]. JIMM [Jon00].
Job [BCMM18, CCL07, CCD+10, CRTN17, Fer96, LBB+09, AAB+10, BZY10, BCC+17, BCB+07, CCL09, FCY18, GRH05, GR96, GD10, GPS13, HXL90, HK13, LZ10, LCC11, LYQ06, LGL+17, MLBS11, ÖE13, QPTGG+12, RNJK09, SWG+16, SDD+09, TSBK13, TSZT14, TTY06, WWC14, WMLS14, WS10, WXZL11, XY15].
Job- [Fer96]. Job-resource [CCD+10].
job-shop [BZY10]. JobPruner [SNC18].
jobs [GD10, JLL17, KNK+08, LAH10, LBU+10, PGW09, RM11, RMHCMG15, ZQB+18, ZA14].
John [Ano87c]. Johnson [Her87].
join [CC98, YdOLS’05]. Joint [KK10b, ECA+18, Gal87, HXY13, YZWG18].

JSBricks [BBBD01]. JSIM [MSX00].
junction [Kaw92]. JUNET [MK88]. JXTA [AMHJ10, HD05, SZC05]. JXTA-based [SZC05].
Kalman [TM05]. Karamjit [Ano87c]. KBS [SP93]. KDD [DSSU97, FS97]. Keeping [KCCL18, MPC+18]. KeLP [MBFC99].
KelpIO [BFK02]. Kerberos [MPPM09].
Kernel [CAPG18, HKT94, JP18, LLSL18, LZY+16, PRW14, RT06, vW19]. kernels [BBvdB+11, DCL00, GLB+18, PDH18, VCDK18, WSQ+16, ZZZH+16, ZDR07].
AQRH+18, APK+18, CRRC18, FHZW18, FNA12, GAYTC18, GMdFLC17, GZL+18, HAAW+18, IOV+18, JSMG18, KLW+16, LCP04, LBYL08, LLL+17, LLY+18, LM07,
LHC03, LYT+15, LZYC13, MLC’18a, NKK09, ODK+17, PSLZ18, PM00, WZ18, XZ14b, YZL+18, ZXW+18, ZXWA18].
Key-aggregate [GLB+18]. key-agreement [APK+18]. key-delegation [JSJS18].
key-value [GAYTC18]. keyboard [Ale97].
keyless [ZXW+18]. keynote [CCRL18].
Keys [EHMS00, LH13b, LLI+18].
Keystroke [MR00, FZW+18]. keyword [CZW+18, DLLZ17, LKX+14, SA07, TDBR18, WHMO13, WXYL16, YD18, ZSZ14].
kinds [WGM15].
Kinect [AKG+17].
Kinect-based [AKG+17].

Kites [VLC03].

KL1 [Ba93]. Kluever [vdR87f]. knapsack [HXWW18, VDPH09]. Knowle [XWL+15].
knowledge [BBCN18, Chv87, DD07, How91, SPCL04, SNA92, TY85, Wai86, Wie85, ZSP17, Zhu07, ZS16, ABTF16, Ano86j, BBC+17, BPAP92, CSC+92, DMPP16, DL04, EO86, EdBG+99, FFP10, GZS14, GRMSOG18, Ho93,
KFF89, Kim07a, LwW14, LTZ15, Mae89, MED16, NIS84, Nis93, Ohy89, OPT09, PP07,
Knowledge-based
[How91, SNA92, Ano86j, CSC+92, Hol93, KFF89, Mae89, Ohy89, TNY17, dLLA93, vdR87l, NJ18, ZL04b, vdR87g].

Knowledge-guided [EdBG+99].

Knowledge-infused [ZSP17].

Knowledge-intensive [SY04].

KOAN [BP94].

Kogan [vdR87b].

Korea [HPP+18].

Kowalski [Ano84k].

KP [HQZH14].

KP-ABE [HQZH14].

Kronecker [BPS06, BKB18a].

Kruse [vdR87k].

Krylov [Dat03].

KSR [LF95a].

KSR-1 [LF95a].

Kuaa [dOWdAS+18].

Kurganov [NB04].

Kutta [CP06].

L [Zad87, TSAER18].

L-RRN [TSAER18].

L2P2 [SLL+17].

Lab [BGJ+06].

labeled [LWT18].

laboratories [AKB+01].

laboratory [BGH+03, BDZ13, CGL+10, GRPL04, GFGB03, ZDL+13, DBdL03, SVN+10a].

LaCos [BHH91, BHH92].

LADY [WB90].

LAG [DW11].

LAIOS [Dup90].

Lambda [LRJ+06, SDBdL06, GIK18, MGYC06, PT16, THN+06, CT09, GdBW06, PW09, TDV+08, YLC+06, THN+06].

LambdaGrids [NF07].

LambdaRAM [VBL09].

LAN [HO02].

Land [LNJ04, LLN+18].

Land-use [LNJ04].

landing [TYWZ18].

Landmark [RCM17].

lands [CALN03].

Language [Ano86l, BS91a, HSS92, Ano85g, AP96, BY93, BS92, DHS00b, EHT10, EP12, ES94, RBC+88, SDWS13, ST98, Sun10, XLL+18a].

Languages [CMZ95, Bal92, BL92, JBA94, MRV92, MSS02, Omo91, OP95].

LANs [HMW14].

Laplacian [DGA18].

Large [BBJ+06, CTT+08b, CHK98, CGJ+10, EGVT18, FAJP99, FQBCF15, GSV+10, HKM+06, LKM14, LPK94, PB17, WVC05, AMBB18, AR15, ARP14, AQB15, BC15, BBSV92, BAPS14, BKB18a, BDLO6, BDHK06, BCW01, BCG05, BCD+18, BCH+08, CZT+15, CZY+18, CDF+05, CRVZ15, CA13, CA15b, CR92, CLY14, CZXL18, CW+18b, CTMOO6, CCHW03, CGM+18, CSP13, Dat03, DAM08, Din03, DDB14, DPL14, DB99, FDP17, FPQK18, FWB13a, GLA88, GLNT13, GRMOSG18, GLVC18, GIM16, HST+18, HLC16, HZ10, HAB+06, IPG+18, IS18, JRG+11, JHJC10, Joh02, JTBS15, KKK14, KPB+03, Kho05, Kos95, KAS+18, KTV03, LTN10, LYS+16, LYT+18a, Luk00, LMI2, MTOV5, MKH06, MPR+16, MLS001, NBB18, NS10, NEJP94, NJK13, PPZ12, PLA18, PGC+10, PBHK01, PF17, PPLL17, RN04, RL98, RLM06, STVM18, SKT+08, SNW01].

large [SLO+05b, SJL+18, TDFZ18, TJWS10, TY11, THT12, Var00, VSV95, WSZH18, WKT+03, WGG+14, WLF16, WWH+17, WRC17, WCH+18, WDD18, WCW18, WBJM14, WS10, XWL+15, YDK11, YHJC05, YCAS03, YCXY10, ZAB15, ZWW+13, ZW10, ZYTC15, ZXL14, ZA14, GPH+94].

da-range [ZAB15].

large-eddy [NEJP94].

Large-Scale [CHK98, EGVT18, FQBCF15, GSV+10, HKM+06, LKM14, PB17, WVC05, BAPS14, BDLO6, BCD+18, BCH+08, CZT+15, CZY+18, CDF+05, CRVZ15, CA13, CA15b, CR92, CZXL18, CMG+18, Dat03, DAM08, Din03, DPL14, FDP17, FWB13a, GLA88, GLVC18, HST+18, HLC16, HZ10, HAB+06, IPG+18, IS18, JRG+11, JHJC10, Joh02, JTBS15, KKK14, KPB+03, Kho05, Kos95, KAS+18, KTV03, LTN10, LYS+16, LYT+18a, Luk00, LMI2, MTOV5, MKH06, MPR+16, MLS001, NBB18, NS10, NEJP94, NJK13, PPZ12, PLA18, PGC+10, PBHK01, PF17, PPLL17, RN04, RL98, RLM06, STVM18, SKT+08, SNW01].

large-scale-application [TDFZ18].

Lark [ZBCT17].

laser [Fin99].

Late [MLBS11].

Latency [HÖ+03, MH14, Abb+03, CW13a, DHB02, HML+06, HSP+13, KIS11, PBHK01].
SLL+18, WPGN+18, WWZ18, ZZSZ18.
latency-sensitive [CW13a].
latency-tolerant [DH02]. Lattice
[AKH+04, Bog99, SdSP04, ABL04, CM99,
CH04, DS04b, DC00, FPdS04, HORC04,
HRJ+04, IO04, KKHS01, ZaTZ+17,
ZDW+18, DY04, NCS04, vdS04].
lattice-based [ZaTZ+17].
lattice-Boltzmann
[FPdS04, HRJ+04, KKHS01]. layer
[AKCY+17, CCLS09, DvdHGdL09, FNA11,
GZW18, HDA+19, JBM+18, Kni89,
KSM+07a, KSM+07b, LXMW15, LWW+16,
MYK16, PBHK01, SCS+18, TZW+18, TJ18,
WPGN+18, ZN12, ZFY18, ZJW+14].
layered
[DD07, Kim07a, MS01, PDK10, PSBB15,
SKF+11, SBK18, WJS+18, KJFS12].
LayerMover [ZFY18]. layout
[IdLR01, KR14]. laziness [KGW95]. lazy
[CK00, PY00, TV16]. LBBA [SC16].
LBBSRT [ZFC18, ZFC17]. LBGK
[HvHAS04]. LBS [SLL+17]. LDA [ZZYJ16].
LDA-based [ZZYJ16]. Leader [SW02].
Leading [KZ17]. Leading-edge [KZ17].
Leakage [Wan18a, DLZ16, YAX+18].
leakage-resilient [DLZ16, YAX+18].
leaking [AMRM18]. leaping [LCW+18].
learned [HS98]. Learning
[BGJ+06, BCCM18, CLL+18a, MGL+18,
NOK5, Pud01, RT16, ZZN04, AD18,
AAN+18, AMKM18, Ami90, AV00, ASY+18,
BLAV06, BMP+16, CMEA+19, CMT16,
CJN+15, CLL+14, CAL+18, DA16, DC81a,
DGCGR+17, ECPF17a, FSV+19, GPGA+14,
GHP+18, GBE00, HSV+17, HUMA18,
HPGM18, HXL+18, HHS+18, JOSD19,
KM11, KKS18b, LHJC18, LH+17.
LLY+18, NSI54, NK18, NGB18, PBL+18,
PWW18, RGA18, RSY+18, SD18, SI18,
SH90, SNC18, SZD+17, TNY17, TYYW18,
VGBLGS+06, Ven08, Ven09, VRGR16,
dOWdAS+18, WLB11, WXZL11, XZZ+14,
XKBA18, XLL+18a, XLL+14, ZXM+19,
dIFVPSHL+14, Ano86h, ZBF14].
learning-based [HHS+18]. Lease
[LLKF09]. Lease-based [LLKF09]. least
[vdV89a]. leave [KMJ18]. lecture [Ray05].
legacy [BBW08, BKL01, DW11, KT08,
LRW01, MLDO18]. legal [CCIP18, Ser95].
legal-rule [CCIP18]. Legion
[NHG03, CKKG99, NHG02]. LEGIoT
[MPLM18]. Legislation [Ano84i]. Lenat
[Zem86]. length [CP06, LZA+12]. Lessons
[HS98]. Let [MOBD18, BKY18]. Letter
[Ano87k]. Level
[HSS92, LYW+16, AD18, AFS16, AJY12,
ATT96, AM18, dRADFG18, BSCC06,
BMCF07, CLP95, CST92, CMS+18,
CX+18, Ciu10a, CCD+10, CHY+18,
EMHE18, FG14, FWB13a, GOBL16,
GJF+12, GLXF17, JLI+13, KKS08, Kea99,
KMK09, KMK+14, KSM+07a, KSM+07b,
LKA+08, LjW06, Lop96, MTD18, MJRM16,
MLBS11, PLLA18, PCK04, PR512,
QPTGG+12, RZ16, RPMG10, RS17h,
RMHCM15, Rsh09b, SRZ15, SVN+10a,
SEM11, SK18, SSL13, TSBH11, WLYL11,
WWC14, WZWC18, WBF08, YKL+07,
ZLZ13, ZCK+15, ZHZ+16, ZHR07]. levels
[CEJK94, FB93, Kim18, LjY10, LWT18,
MTK09, SPB17, TTB+13]. Leveraging
[HWS07, LLF+18a, CTT07, DW11, DLZ+14,
HXL+18]. Levy [NB04]. lexical [HK88].
lexical-functional [HK88]. LGF [BBW08].
LHC [RWW+13]. Libraries
[LG97, HESM99, STH+98]. library
[AFS16, ACE02, BFK02, FB97, BBBW99,
G093b, GLM+08, JLR18, LC04, PCM99,
vdV89a, BMCF07, Ber06, TS08]. licenses
[CMZ+12]. Lie
[BC03, CM003, MPQ03, MKK03]. Life
[ABM+07, AFO+18, CBBC+17, DJZ+00,
GCBM17, GPS+17, JOPW14, KOM89a,
LWCH07, SFR15, WOPW13]. life-cycle
[DJZ+00]. life-threatening [AFO+18].
lifecycle [KAS+18, LYW+16, SP18]. Light
[DS04a, AKB+18a, ENG14, LLZ+18b].
light-based [SJIR13]. light-weight [Eng14]. lightpath [GXD+09, JHL+06, KMCH03, SLJ+06]. lightpaths [CGD10, GMM+09, GFR+06]. Lightweight [GAI+18, MPM18, AMN18, BK06, CMS+18, CRRC18, EGK+07, HZ10, MCN+18, MHY+18, MLBS11, dRRRR+18, SZP00, SCS+18, WLS+18, YCT15, ZZX+19, ZSW+18a]. like [CMT01, DDL01, Ole07, Prz03]. limitations [ABdL05, DGY+18, KC98, NS17b, Par87]. limited [JLCC12]. limits [LN13]. Lindstrom [vdR87h]. line [BMR15, BW95, CCP19, EV98, LVHO8, TJ18, Ueb89]. linear [ADAAD12, BJNH05, BDNP13, BFR05, BRMN04, BCG05, CZT+15, CLY14, DHD89, FPdS04, GKS05, GGA+17, HPP94, JLRS18, JQL18, Lp03, LD04, Pan95a, PH98, PH94, SFGS01, SG04, TGM11, WWX+17, YPCK12, ZZZ18, vdV89a]. linear-time [LD04]. linearization [Röb05]. lines [MdOO+17]. linguistic [CPE+17, ECFP17b]. Link [CC00, GCCPGBGS10, HQ10, KP18, LTC12, Sun10, WFQ+10, Zhu10, AK18a, BCF16, CGM+18, DFSZ88, GGC17, GXL+18, MDB+18b, RRU+18, SMG18, SGS+18, WXW+17, YCZJ18, ZS10]. Link-time [CC00]. linkage [TT+14]. Linked [CDH+19, DMM11, Ans11, BBD+13, CPSRG14, Li10, CAS+16]. linking [ABCD00]. links [ABdL+03, WLRL18]. Linux [VSM02]. Lip [KLH+04]. liquids [Fre94, SBS98]. LiReK [CRRC18]. Lisp [Oku92, YTHY84]. Lisp-Based [YTHY84]. list [BB13, DNP14, LY18a, Par04, YK17]. list-based [DNP14]. literature [ABP18, JC08, MCWP16, SDWS13]. Live [DK17, JDW+14, AS14, HZW+16, JFZL17, KO11, KS+11, LJLW13, LRZ+18, SLA+16, TGD+06, TNC+16, YMD+13]. live-broadcasting [LRZ+18]. liveness [GAFFOG12]. living [FKT14]. Load [BL02, CY01, OSSH96, dRSS97, AA18, AS18a, BCMR01, BM08, BBMG10, CWD04, CSJN05, CRRC13, Cho04, DLS+12, DDL18, GOBL16, HILW12, IS18, KRZ12, KMK+08, KIC12, LYMZ09, LZXW13, LLW+18a, LN18, MM03, MKM11, PGSM05, PRD+14, PBC+16, PBC+17, Qin07, SB97, SDSA19, SL11, SMG18, SJTN18, SMA08, SYL18, TDC+14, TLLX18, ZGB+17, ZMJ+06, ZS08, ZGL+18, ZFC17, ZFC18, VVB15, ELvD+96]. load-avoidance [KIC12, ZGL+18]. load-balance [DXL+18]. load-balanced [SDSA19]. Load-balancing [CY01, AA18, LZXW13, PGSM05, SJTN18, ZMJ+06]. loading [HSC15]. loads [NJKF18]. Local [Han03, PSS+18, REM04, ABMESM18, AEGF+05, BPC+01, FMRS18, GJ18, Hua10, HLL12, KMT14, LZX+12, PM14, RCMT18, SWW+13]. Locality [HSC15, SDSA19, ZXL+18, BCMR01, HK018, HBCR01, Le098, Le01, NNRA19, QZD+18, SCCS11, TSK03, USK16, WWC14, WWQ+18]. Locality-aware [SDSA19, SCSS11, WWQ+18]. locality-sensitive [QZD+18]. Localization [MWW18a, GAI+18, HXY13, SLL+17]. localized [WKZ+03]. Locally [PFMC04]. Location [AHEM17, DA18, DGY+18, FBB13b, GCCL18, GBKJ18, HZW+18, MK04, MVC10, NWD+18, NZL+15, PK04, SLL+17, XCS+18, YXA+18, ZCLW18, ZWS+12, SCH+17]. location-aware [PK04]. Location-based [DA18, NZL+15, ZCLW18]. location-label [SLL+17]. location-sharing [XCS+18]. locations [Alp18, dFVPSHL+14]. LOCCS [DT94]. LoDs [PFMC04]. LOFC [BBB+11]. Log [JD94]. Logging [RT06, AMH04, EH10, LM12, PY00]. Logic [De 88, KB16, Ano84k, Ano85g, BS96, BDN02, CST91, CY90, DCK03, DT93, DLW86, GY16, LJL+11, LW14, MYHZ18, MLGGB+17, OM+18, Qu04, RBC+88, SGdMM96, SZR18, TWW+18, Yos89, ZT90].
...
[JZWL17, JLL17, RNJK09, WYBS11].

**Making** [CN98, HNS05, RRP+14, WBT+08, ZDW+16, DD86, GS05, KK10a, KFF89, KKS+18a, Niw89, PP07, vdR87f]. malapps [WWH+17]. malicious [LLSQ14, MRL14, WLY+18]. malware [AD18, HDKC18, HLH+18, HAA+16, HIA+18c, MAY18]. mammalian [GLA88, GEG14, GBS10, GKWFM17, Fra08, FTH16, GCM]. managements [LLZD11, LQMM18, NSS18, OAMS18, SFR15, TMS17]. managed [CRM+16, NJHT11]. Management [AR10, CDH+19, GS16a, WXYL15, Abo06b, ABGMC19, ADM06, AAB+10, Ano86j, ADK+09, AEME+18, ACC+16, AK18b, BLO+18, BBWB+18, BJWZ08, BFL99, BFP18, BCF+10, BAB12, BPP+07, BN17, BD06, BCPS03, BDH14, BCD+18, BRKR15, BR10, CMZ+12, CMEA+19, CXDM18, CPD+15, CFG+19, CO03, CKK+04, CLL18b, CKKG99, CLM+16, CYZK15, CT09, CAB+18, Cao86, CR14, DCL00, DVJ+15, DG+08, DMPP16, DS08, DSS07, DL04, DYT16, DSPA18, EG18, ECFP17b, Fer96, FA11a, FG14, FH+99, FM17, Fra08, FTH16, GMC+11, GLM+12, GLA88, GEG14, GB10, GKW+12, GCK18, GBE+12, GGDM+18, Gra01, GR07, HY09, HAP15, HMM18, HCT94, HST+18, HZP+14, HB00, HML07, HML09, HHS+18, JBM+18, KSF+13, KA08, KMI11, KKL09a, KADJJ4, KS17a, Kol18, KH18b, KDO0, KARP14, KAS+18, KH9, KVHT10].

**management** [KK97, KLSS05, LS07b, LBYL08, LKN+13, LM+14, LSTV07, LL+12b, LK+16, LY+16, MJGW18, MPCA15, MBS13, MSB16, MM08, MED16, MK04, NJH+18, NSSA+14, NJKH13, OB17, ÖE13, PSJ+12, PRS+13, PK99, PB17, PH07, PLCGS11, PMT10, PPH+09, PF17, PPB16, PPA18, QLM+18, RGLS18, RMVG+10, RM11, SEH99, SMS14a, Slo96, SCL14, SPS18, SAK+10, SCH+19, TOD17, TTB+13, TF17, TMTY05, TAHS14, TY11, TCBPR16, VAdIP12, VVC+03, VDK12, VCDK18, WZC08, W11, WCF+15, WMY+18, WLA18a, WBT+08, WZS+18, XLL+14, XLL18b, XAW+10, YMLT13, YZL+18, YMM00, YMD+13, ZWW+13, ZCS+16, ZYK17, ZLR+15, dSFP+17, dCTVC18, SJV+15, ZDR07]. manager [KMT14]. managers [GDR+16]. Managing [BBC18, DDG18, HLMN11, H1K10, Kos00, LKA+08, MBMTJR18, Scy01, ACC+05b, CFG16, Gos00, PSA+09, SG14, TBB+17, YLH14]. Manchester [Gur85]. Mandatory [BL13]. Mandel [vdR87e]. MANETs [AdI14]. MANETs [JFDF09, ZYW+18]. maneuvering [LWX13]. Manifold [AH94, XLL18]. manipulate [VOCHC17]. manipulation [DMMP98]. manner [kHsZwJW18]. manufacturing [HDC+94, HMW+19, SSST17, W91, ZMJ+06]. Many [HYZS16, Len01, CLH10, EDH+13, JLY+18, LC14, MAC14, MCA+18, MGMT18, YLJ+17, ZAB15, ZCL+14, ZLG+14]. Many-core [HYZS16, EDH+13, JLY+18, LC14, MAC14, MCA+18, MGMT18, YLJ+17, ZAB15, ZCL+14, ZLG+14]. Many-particle [Len01]. many-task [MGM18]. manycore [HTL+18, JPB17, Li18].**map** [DR03, KLC05, LLW+18a, LWK+18, SCCS11, FJ00, DL04, STA17a]. map-based [LWK+18]. **MAPFS** [PG+06, SPK+07]. Maple [YA07]. Mapper [MLC18b, MSS+16]. Mapping [AE GF+01, Mil11, MFT+17, Vun92, YG18, dRSS97, DSK+14, DKV14, DST10, DST14, HSC15, KTM+08, LJW08, LvW14, MBM18, MS03, MEB012, RSB06, YWZ+18]. MAPReduce [FDGR14, ACK+15, DD+13, DFG14, GZQW13, HSC15, JGFB18, JZWL17, JS13, LKM14, LQK+16, LLC+16, LSZ+16, LC14, LLAH13, LSJ+14, MNV12, MLC18b, 63
NNRA19, SEMJ11, SDTA19, SB17a, SJV12, VETT16, WTR+13, XX14, XTT18, YWF+10, ZCK+15, ZFS+18, ZWX18.

MapReduce-based
[LLC+16, LSP+16, B17a, YWF+10]. Maps
[AS18b, Che18, DH16, DMM14, KIL+16].

March [BFS+17a]. margin [CZ12].

MARIANE [FDGR14]. Marine
[YYW+18, FCD+14, WMBV17]. marital
[MNC+18]. Market [JBR+16, W1i84, JSS+12, JRF+07, Lin18, RT16, RA12, SCMS12, SVB07, W1i86, Yam89].

market-based [SCMS12]. marketplace
[JBR+16, MVG+14, VSMR12].

marketplaces [ABH18]. markets
[BAB13, M16, P112, VPT+10].

Markov [B1D0+16, BCB+07, CLL18b, LW1b8, WQG15]. narrow [BPP+07].

MARS [GR96]. marshaling [PBV05].

Mashup [PC18a]. mashups [dXB18].

mask [BMU18]. mass [K1V+18].

mass-gatherings [K1V+18]. masses
[BR18, BMU18]. Massive [SG95, BORM07, DGD+16, FGM11, KKK07, LXL+17, NS17a, SGB+18, WML14, WRB94]. Massively
[DDO+92, KL02, Cas94, CS96, Gil94, JBA94, KZL16, NOF18, PDK10, P09, YdO1805]. Master
[LC14, Bun03, HCL07, PCC18].

Master-worker [LC14]. matacomputing
[JHS+09]. Matching
[DDRR96, L1Z+18, TOS18, FLT17, K1KK+08, L1C+16, LL1W17, MWQ+14, MM03, NW1G17, PRN14, QGX18, T18, WHC18, Y1ZL+18, YZW18, YS1ZW18].

Matchmaking
[DT16, C1D+10, LCFB13, L1DS+18, YAO14].

MatchTree [LCBF13]. materials
[GIL94, HCL16, MZD+16, SYT09, SCK+00, WRB94, WAD+89, ZMJ+06].

Mathematica [UB07]. mathematical
[KSAO98]. mathematics [AMB03].

MATLAB [BKG05, EPJ+05].

MATLAB-based [BKG05]. matrices
[AMO06, BHO3, WHC18, dSL98]. Matrix
[XZ14b, BST+08, CDS03, Dat03, GGMS18, HBCR01, Jun18, Kat04, K1R14, LC04, LXM+18, LG1Y18, SJL+17, WYL+18, Z1L+16, ZCH+17, ZC18]. Matrix-based
[XZ14b]. matrix-vector [ZWL+16].

matroids [YH18]. matter [To99]. matters
[PD11]. MAX [SH00]. maxillo [SGL99].

maxillo-facial [SGL99]. maximal
[LHW+18, SL1D+18]. maximization
[M1G14, NBB18, WDD18]. Maximizing
[MFL18, SMS14b, W1JL18]. maximum
[CZ12]. MCC [vdR87]. McCord [vdR87].

MCDM [SMZ+16]. MCMC [LvW14].

MDP [MRS18b]. MDP-IoT [MRS18b].

mdtmFTP [ZWD18]. meager [DV13].

meal [MOFG18]. mean
[CG1P14, HKP10, Z988]. mean-field [Z988].

means [AMHJ10, Avg00, Bu18, DSO4b, LS1D+16, PW09, PT16]. measure
[RAJ18, Szu01]. measurement
[BDZ13, C1ZT+15, D1M+99, GSY+17, LRC+18, P1SP+09, V1C+03, WL1R18].

measurement-based [V1C+03].

Measurements [CSC18]. measures
[DLDI1G16, GJY18, LG18].

Measuring
[HRV18, PARMF14, V1AC+13]. MEC
[S1S1G18]. mechanics [Ald99]. mechanism
[AR15, ABF+15b, CSJ+17, Cho04, CB10, CC09, DWJ18, DLS+12, EK11, ECPF17b, FD95, GA13, GZW18, HY09, HLW12, HAP15, H1DL13, J1FD109, K1K18, K1TM+08, LCP04, LJ1Y12, LXM15, LHX+18, LQLX10, LL1Y18, MVL18b, MV09, PWW18, SM1G, SJN18, TMP15, TAKV12, X1DL12, Y1L18, YXA+16, Z1A13, ZXX18, ZZ09, ZA14].

mechanisms
[BDZ13, CST02, CY88, C1CT14, DC18b, G1HY18, G1RS04, K1K+14, PLGM1F18, PMF11].

Media
Media-based \[\text{MPI}^+18\]. MediaGRID \[VWD^+08\]. median \[KPS18\]. mediated \[ZGS^+13\]. mediation \[RVST17\]. mediated \[ZGS^+13\]. mediation \[RVST17\]. mediated \[ZGS^+13\]. mediator \[ABTF16, WBT05\]. Medical \[EV98, KE85, OM10, AIA^+18a, AIB^+18, BCT^+07, CD99, CCM98, EdBG^+99, KKV^+99, KVHT10, LHBC16, LLSR02, MJ98, MJ06, Mar99a, MLZ^+00, PMBS14, SMC99, SB17b, SPS18, TIHT14, VFHB14, WLS^+18, WPS^+18, XYZ05, YCY10, YSC^+15, YLN15, ZCH^+17\].

medicines \[AV00, BJM^+17, CCBR98, FFC^+18, LWK^+18, MSR98, Wit94\].

MediGRID \[KBB^+09, SLS^+09\]. medium \[DRS04, GHMX10\]. meet \[BR18\]. meets \[CCT13, MGR11, PYH^+18, TG04\]. Meiko \[CW93, GL95, LF95b, RBS93\]. MeikUS \[GD93a\]. Mellish \[vdR87a\]. membership \[GNVST14, PF17\]. MemEFS \[UDvdW^+18\]. memories \[De 88, HBCR01\]. Memory \[BPS06, BM92, CSP98, DLZ16, GSD95, KGX95, PBM95, Ami90, ABL04, BFLL99, BYL^+18, BK97, BBSV92, Ber98, BEWZ10, CPSD18, CR92, CS93, DKK^+13, FC05, FJL^+16, GQLX18, GV13, HHH96, HPPP94, HXHL13, HG92, JDW^+14, KP12, KN06, KSM^+07a, KSM^+07b, LAL^+14, LLWW18, LWS07, LYW^+18b, LBU^+10, MAC14, Mar90, MCDa16, NP03, PY00, Par04, PH94, RKB18, RCD03, SF06, TC06, USK16, UDvdW^+18, WYJ99, WWC^+97, WHZL10, WZS^+18, SG05\]. memory-based \[MCDa16\]. Memory-efficient \[BPS06\]. MEnSuS \[AK18b\]. menu \[LC03\]. merchants \[ABCD00\]. mercury \[HRJ^+04\].

mere \[MBZL09\]. Merging \[Kat04, CPgdS^+13, TSOB15\]. mesh \[BRR^+04, CH95, DS04a, KCK04, LHB95, RZDM01, UVW92, WC01, XZ14b\]. mesh-connected \[UWV92\]. meshes \[JL98, PFMC04, SW05\]. Message \[BFR99, FLPP05, Gor02, WHZL10, AMH04, AC92, Ber98, CST92, Kac00, Kal94, LC17, NWL17, RMDB18, ZA14, DKD08, LDSH95, LM12\]. Message-based \[FLPP05\]. Message-passing \[BFR99\]. messages \[MTKS00, ZCT^+04\]. messaging \[OF07\].

Meta \[ATT96, CBS17, CTT^+08a, DD05, ESW^+17, FHM^+99, HML07, Lop96, PT16, PB17, TCCC11\]. meta-applications \[FHM^+99\]. meta-database \[PB17\]. meta-heuristic \[ESW^+17\]. Meta-level \[ATT96, Lop96\]. Meta-model \[CBS17\]. meta-modeling \[DD05\]. metascheduling \[HML07, PT16, TCCC11\]. Metabolic \[DDJ^+13\]. Metacomputer \[ESPP01\]. metacomputers \[BvdV99\].

Metacomputing \[BGR^+99, PBC^+01, RRS99, BFL99, BBMG10, BFR99, EMB98, GR96, HAFF99, HAF00, Kea99, Lee04, MVT^+99, MS01, Ram95, SSB05, WSH99, BKKW99\].

metadata \[BIA^+05, LFH^+15, Mil11, YMW13\].

METAFL \[BS96\]. metagenomics \[DMD^+19, MMC^+18, SGP^+09\]. metaheuristic \[DOV01, TF18\]. Metal \[SPSP17, HW95\]. Metal-as-a-service \[SPSP17\]. metamodel \[LKGO8, WBL16\]. metamodel-assisted \[LKGO8\]. metaphors \[MB01\]. metascheduler \[TCR^+12, VHML10\]. metascheduling \[LGW07, MHA08\]. metasystems \[CWW^+99\]. meteorological \[LHCJ18\]. metered \[YVCB10\]. metering \[JLC18, TAS^+18\]. meters \[MK17\]. Method \[DB99, AIA^+18a, BCFS02, BvdHN^+01, BS04, BV04, Bou95, CZXL18, Cro95, DS04b, DS99, DLH18, DCC13, DLX^+18, EMM12, FJ18, FT07, FWB13a, GAFFOG12, GOBL16, GPS13, GLXF17, HNK018, HESM99, HvHAS04, HPP94, HPLL09, HRJ^+04, IOO04, IAL10, JNR01, KIS11, Kom99b, Lee04, LNJO4, LZXW13, LLC^+16, LYYY17, LCW^+18, LYY18, LLW^+18a, LZL^+12, LZX16, LZW^+18, OA17, PdASM18,
PNZ14, PDK10, SKT+08, SMC18, SWW+13, SOIS12, SLW01, TDC+14, TMDZ15, TYYW18, VOC171C, VFS01, YLHJ14, YJS18, YJY+18, ZC+18, ZZ17, Zhu18.

Methodology [DDO+92, Hanz17, vdR87c, BJWZ08, KKS18b, Mat89, MSBA16, MED16, OP97, STK02, TF17]. Methods [ALFR16, BHH91, GLS99, PBT02, AHdJF97, AMM16, BBH92, BC03, BST+08, BMP+16, CP06, CM003, CXZC18, CLR18, CM99, Ciez14, Dat03, DLP06, DR03, EL03, EWie99, FLT17, GK18, HND06, IS03, KG01, KVvE18, MLG13, Mal94, MYBM18, Mar90, MR03a, MR04b, NK05, PP06, PRW14, Rum99, SPR+10, To99, XA10, ZN97, ZN12, ZMJ+06, dLB10].

metrocean [KNI+18]. metric [LYW+18a, LWSY18]. metric-based [LYW+18a]. metrics [AdVAGF18, BB113, CdsDS15, GJF+12, SPT+18, TDF07]. metrology [SM03]. metrology-based [SM03]. metropolitan [PSVL02, PP10]. Mexico [HICAFM+06]. Meyer [vdR86b].


microwave [DD05]. MID [GLXF17]. Middleware [BS17, GLXF17, KT17, PSVL02, PZ16, SCL18, AMPZ16, ADK+09, Car03, CD08, DVVD02, DPP03, EGK+07, FPT14, FKT14, GAC17, GVBG17, GMB+05, GGH+06, GTMZ17, KK10a, KKJ10, LGW+17, LDS06, MKM11, MWL+18b, NJHT11, PNH99, PZY17, SZP00, SGH+08, SHJ06, TDL17, YJA03].


Mini-conference [Kaa98]. minigrid [YBQ07]. minimal [TVV13]. minimising [DHS99]. minimization [APAZ17, HLL+17, JZWL17, LGL+17, MFM13, ZF16].

minimize [RNJK09]. Minimizing [JLL17, ZAC+18, DLXR14, GR96]. minimum [Dzw97, LY17]. Mining [CLM14b, DSH+99, FGM11, FZH14, IHA18, JL14, LGW07, MNC+18, MSKT07, MRL14, SA97, XLZ+14, YXZG18b, YK17, ZDW+18, AMK18, AW97, CTT02, CGM+07, CPA14, CTT07, CS97, DGD+16, FS97, FJT01, FM01, FdSC07, GG+06, HPS97, HXC+18, JRF+07, KOP+17, LY17, LY18a, LC15, LWHS07, LLHS07, NSP07, OWT09, PSR+07, RAKJ18, SGKC10, Sin07].
SD07, SSK+08, SSLF+10, THA+17, TNY17, THT14, WTG+14, WWZ18, YLVY15, YLG+16, YL16, ZLD+03, ZSC14]. MIP [MMV08]. MiPeG [CD08].

Miscellaneous [Ahn97d, Ahn97e]. miscible [FPdS04], mismatch [MCG+15]. missing [EOB14, TSAE18]. mission [BPAP92, Lau92, MC04, RRU+18, TMV+07].

mission-critical [MC04, RRU+18].

Mitigating [LYW+18b, ASB18, TA18, WSQ+18]. mix [QC18, AGP+92]. Mixed [GGA+17, SZK16, WHW16].

mixed-parallel [WHW16]. mixing [ZM+18]. Mixture [BBMG10]. MJSA [BCB+07]. ML [GL05, GGLD10]. MOBILE [KKA18, AR17, AT18b, BDE17, CGL+15, FG18, FMN+17, FLR13, KIAD17, KIMR15, MAD+16, RLM18, TMV+17, VFHB14, WZM+18, WZWW18, YHL16, AHS+18, AMH02, AMH04, ADLW12, AHU+19, AR18a, ADH+16, AMGCC18, AMPZ16, AMRM18, ALL+18, BJ12, BDPI11a, BOP+14, BN17, BCP18, CWD04, CGBP18, CWJ16, CZM+18, CZZ+18, CMVA18, DSD+11, DYC+18, EAA16, ESP01, FHZW18, FX07, GD10, GSP+17, GR07, GW003, GMM18, GSY+17, GGC18, GNVST14, HHK18, HMX+18, HJ+15, JLIQ+17, JKL17, JOSD19, KKKM13, KB18, KGLY18, LW18a, LM07, LH13b, LCZR12, LXML15, LWH+18, LLI+11, LCMX16, LPL+16, LWL+18, LWT18, LGY18, LLZL18b, Lok12, LLAW17, MK18a, ODK+17, OF07, PZA18, PWY03, PKC04, PRS+13, PKY+17, QZD+18, QTG+18, RS17a, RCP+11, SPJ17, SLK17, SCB04, STA17a, SYK+17, TLL+15, UTTO09, VSD13, VCDK18, VLZ+16, WWV17, WCL+17b, WWTF18, WLA17b].

mobile [WMJW18, XZZ+14, XCS+18, YLWWW18, YCWX18, YWY+17, YCX18, ZF16, ZDW+16, ZLL+17b, LSTV07, SGN+17, ZHL+18]. mobile-IoT [AHS+18].

Mobile-IoT-Federation-as-a-Service [FMN+17]. Mobility [GD10, LNK+18, AMH02, EAED18, FAMA+17, GVBG17, GCK18, GSP+17, GMP+17, HZC+08, MDB+18b, MGN+16, MK04, OVX+09, PC17, SBP+17, WZM+18, YCX18].

Mobility-aware [GD10, YCX18]. mode [FC05, HNP05, JK17, LSY12, MRV01, WMQ+16, ZZJ17, HHG05]. Model [Ans11, BHH91, DWS12, EHT10, FMN+17, LB09, LH07, LCH+18, PSS13, RBN13, SST18, TCBC18, WHCZ18, AOIS10, AFSH+18, AQR+18, ABTF16, AJY12, AL14, AB18a, ATdC+16, AMGCC18, AK14, AMKM18, AKM18, BvdBM+93, Bal16, BMPS01, Ban02b, BFL199, BdCyG05, BKS+18, BBvdB+11, BdM11, BHH92, BDMO11, CIG18, CIK10, CPK05, CW16, CSG+18, CWW+99, CBS17, Che14, CAC+15, CCY+18, CY90, CYB90, CDRS05, CS09, CBBD16, DS08, DMPG17, EAS+18, EMJ+13, FPdS04, FLR+16, FKOC11, FWB13b, GS13, GY90, GZZ+18, GB99, HD05, Ham17, HPZL18, HHS98, HAM18, HZM14, HLZ18, HKG+16, IMKB99, IG12, JL95, JAA07, JFZL17, JSS+12, JF05, Jun18, KP00, KSAOK03, KSAOK08, KCK04, Kim14, KRLR01, KGW95, LS07a, LR06, LHL09, LF01, LHJ18, LyS+04, LZZ+17, LZZL18a, LC14, LW+18, LLZ07, LLL+11, LDS+18, LWYS18, LW18b, LBU+10].

model [Low01, MAC14, MWL18a, MYHZ18, MG16, MJM+16, MK17, MTV05, MKH06, MCR+16, MLZ+00, NV11, NRV+17, OP95, PO00, Pal01, PGCC+10, PSS01, PKSC02, RDS18, RZ16, RR18, RSV00, RW+13, RGML16, RMCMD12, RS98, SHP+16, SS13, SHBP10, SGL99, SL11, SZ12, SCB04, SD02, Sh19, SG11, SFR15, SCL14, SKS17, SUD+98, Szu98, TLS17, TZZ18, TMD15, TDL05, VDPHS09, VP94, WG00, WC06b, WCS14, TY17, WHP09, WYH+17, XZ16, YNSM12, YMW13, YZL14, YCH19, YXY18, YWY+17, ZZDM+18, ZRZL18, ZY16].
ZT90, ZT91, ZLTY10, ZME+15, ZZJY16, ZNC+18, ZL18, ZYXL05, dlTK92, CSZW14, GM11, HLCL16, KLM+03, Mil11, MCF+11, SB11, Sti93, PSp+09. 

**Model-based**

[Ba09, LCH+18, BvdBM+93, IMKB89, MJM+16, SZ12]. Model-driven

[DWS12, RBN13, TCBC18, Ham17]. Model-oriented

[BH91, BH92]. Modeler [BBW99]. Modeling

[AS02, AY16, BDMW17, DLZ+14, DCC+14, DYC+18, FX10, GLNT13, GS16a, GL04b, HHD+12, HBCR01, LZH+18, MG18, Mor01, Mun04, Nag16, RLL+17, UTT00, WRCC17, WBJM14, YKK13, AKP+18, AT18a, ABS+18, AMSC18, BCF16, BGML17, CPBGC16, CAC+10, CPSD18, CAPG18, CRK11, DP05, DC00, FSm+18a, GI18, HKM+06, Ig104a, JA09, K15J18, KB16, LN18, LPD+13, LZHY19, MGT18, MGYC06, MWA89, M10i01, M35+16, MH1+18, NK16, PBT02, SZP00, SLD+15, SBA+05, TZQ18, V050, Wie03, XFM16, ZYTC15].

**Models** [BP17a, BP17b, GD05, KG95, TTP+17, BS17, BCG14, BBC+12, BN16, BDH06, CDF+05, CMS+18, CHSA18, C093, DDL01, GBA+09, HAP11, HLV+16, I1KLL12, JH092, KCF99, Kin07a, K01, LMBC89, LR+18, LIN18, LKJ17, LTC15, dSMAD17+17, MR04a, MH1K18, M17, Mor01, NBB18, OCCK14, RB12, RLRC13, Sch01, SWW+13, ST08, SLW11, VVB13b, WJ1+17, XAI0, YZ1+18, vdHSL+15].

Modern [ABMS05, LRY17, MDT+18, SSC04, TKR+15, ZME+15]. modes

[CASW05, FAM+18]. modified

[GDRS04, LNJ04, ST11]. modifying

[GL04b]. MODIS [HRR+14]. Modular

[DSPA18, CHJ+04, FSP+18, HML07, PSW+14, RN04, YP12]. modulated

[GZ18+18]. modulation [HIK+04]. module

[WG00, WPNT18]. Modules [HliV+97]. moldable [HZZ+14, MLBS11]. molecular

[ASV+13, BRS04, FAJP99, GRP04, MDD+84, MF93, PHM+99, SCK+00, SBA+05, Suz18, ZCW+04]. molecular-dynamics

[SCK+00]. molecules [DRS04]. Molokai [Hu89, Rh89]. momentum

[DHL18, KKH10]. MOnitoring

[Suz89, ACU95, BSS+05, BF+10, DVV90, KS18d, LRS+18, RMCN+10, VLAC+13, ABC+18, AAS17, AS0414, APK+18, AIB+18, ADF+05, BBFW03, BKB11, BBWB18, BCC+17, CA15a, C1JH13, CZH+18, CC09, EET18, FZW+18, FG13, FAMA+17, FWB13a, FCD+14, GMP+17, GKT15, GJKP18, JNH18, K13, KB14LG18, LBB+09, LCC18, MVL+18a, M35+13, MOFGP18, MML018, NDZ+18a, NDZ+18b, PMLVLS+13, RR10, SSL13, TCN+14, TST16, TS11, WHM013, WXZ+18b, WDO00, WPS+18, ZS05a, ZZZ18, ZZQ+13, S89]. monotonicity

[EL03]. Mont [OBG+18]. Mont-Blanc

[OBG+18]. Monte [BSt+08, CPGD13, CPBGC16, D12+13, JH16, TMT05].

Monte-Carlo [CPBGC16]. Morpho

[LS14,14]. Morphological [YP12, GD18]. mortals [MBZL09]. MOSIX

[BL98, MKM11]. mosquito [SM18]. most

[CCL11]. motherboards [HJCD05]. motifs

[GAB+14]. motility [Len10, Lov10].

motion

[K12Z13, Klc05, SK+09, S12, SYW17]. motions [CRC18]. motivated [Pet95].

motor [RMSP17]. Motus [GK18].

MOVE [BJZ]. movement

[K12W+13, Pal01, Sch01]. movements

[AKM18, RCMT18]. MOVICAB [HNCJ13].

movie [MBC+11]. movies [Wei11]. Moving
[LSAM13, ATS14, BTG19, TTC14], MP [GLXF17, LJY04]. MP-MID [GLXF17].
MPI [ACGdT02, ACH11, BCH08, CRE01, DZ98, FD02, FB97, GLM08, IPG18, JS13, LR06, LRW01, LZHY19, LS08, MM03, NHT06, PSDK10, Ren03b, RGDML16, SG05, ZA14]. MPI-based [LRW01]. MPI-DL [FB97]. MPI-Delphi [ACGdT02]. Mpixel [SW06]. MPLS [BLO18]. MPP [HW95, vOB95]. MPP-systems [HW95]. MQRP [FG18]. MQTT [RMDB18]. MR [DMM99, GRS19, VETT16, YWF10]. MRA [ACK15], MRI [GVS10]. mRNA [TBD02]. MSIMD [GS95]. MSNP [WWWJ17]. Mt. [CDRS05]. Mu [NTN86].
MUC [QCY17]. Multi [AJY15a, AB18c, BMU16, BB17, DNJG17, DF97, DNPI4, FJ18, GTEL18, GOBL16, GHEB18, GD10, GCCL18, GLXF17, HMH17, IS03, JAA09, JLIQ18, JY18, LLH17, LPL16, LPV16, MZH16, MG08, MMRL17, MDASM18, PWW18, SA14, SKF11, S17, SDD10, TZL18, WW11, WWT18, YLC06, ZFW14, ZCL14, AD18, ADK06, BGH14, Bar11, BPC14, CZY18, CCLS09, CXC18, CUCT14, DLLZ17, DFG10, DEG17, DvdHGdl09, DSH09, DB99, FTK14, FL17, FHZ18, FZT18, FNA12, GQXL18, GLVC18, GPS13, GJKP18, GDR14, GGLW18, HGG14, HIA18c, HLZ18, IDC11, IGB14, JRJ11, JP18, JTB15, KDHP16, KKB18, KMT14, KIS11, KLI04, KESL17, KKKM17, KKKM18, KB16, KG18, KLW17, LJ07, LJ17b, LFX14, LWD14, LYY18, LH13b, LH03, LYS12, LG16b, LW18b, LPD13, LLAW17, MWY16, MSK03, MR04a, MDD15, MYK16, NWE04, PK11]. multi [Par06, PRC14, PDW11, PMLVLS13, QCY17, QZM18, RMJ18, RRU18, RB18, RMHC15, RRH16, STM18, SSG17, STTK03, SBAD18, SWG16, SCS18, SOIS12, SWW18, SBK18, SHLB08, SVN10b, TLY05, TKA18a, TCBPR16, TCN16, TYH04, VD16, WHMO13, WWC14, WHW16, WJ17, WS18, WSH16, WHP09, WXZ11, WSQ16, WLX18, XYL18, YJS18, YZ12, ZGB17, ZWL13, ZZH18, ZLG14, ZNL18, ZH18, vM94, vOH18, vM94, AB17, Gra92].
LMZ+14, LYYY17, LXL+17, LWSC07, LSYC18, LCL+18, LLWN04, LSH+11, LWT18, LKTC14, MYHZ18, DPBK16, MHC14, MVG18, MBC+11, MSL93, MGA+18, NAGD18, OS92, PP10, PJDO13, PMK18, PBL+18, Pip10, PTT12, RR18).

**network**
[RKSU08, RS98, RGCC18, SGR19, SZP00, SM03, SP18b, STC15, SKS+18, SCMS12, SRCR97, SBPT07, SYAL13, Sun02, TZH13, TBS+18, TCR+12, UZ11, UDvdW+18, VS88, VCD18, VOS12, VSV95, WTG+14, WRC17, WCB+18, WWZ18, WCC18, WLA18a, WSH99, XWL+15, YMLT13, YCXW18, ZGB+17, ZZDM+18, ZWJ+18, ZS10, AS18a, BRH18, BSE+13, GPJC17, GTK15, H0Q1, RGL18, Sun10, WFQ+10, Zhu10].

**Network-aware**
[BCR+12, Pal09, TCCC11, VDTK12, ZHHC17, PP10, TCR+12, UDvdW+18].

**network-driven** [LYYY17, Sun92, RGSL18].

**Network-on-Chip** [MMB18]. **Networked** [FMD99, PMF11]. **Networking** [CG09, Gen95, HB98, Lid99, SMG18, Wil00, AB01, ABG18, BBG+05, CJK+18, GXL+12, GZL16, GdBW06, HCD+94, HJ+06, LFC+05, LLF+18b, MT17, MWC+03, PYM18, PA01b, RLL+17, SP18a, TbdL16, VBP03, WWJ17, ZBTC17, dLRW03].

**Networks** [EGVT18, FPPD14, HGM15, KIAD17, SMS16, TKA18b, WZWW18, AQRH+18, AS04, APK+18, ADK06, ACM+18, ASYF18, AIB+18, Ami90, AbdL05, AB03, AC18, BDP11a, BLAN+16, BS09, BMK+14b, BCR+12, BCM17, CZY+18, CÖ13, CJ14, CWJ16, CJG+18, CZM+18, Che18, CZZ+18, CW13b, CSC18, Coo90, CBD+05, CGJ+10, CS97, CHY+18, DZ98, DvdH106, DvdHGdL09, Dör05, DYC+18, ESP17, EA13, FG18, FJJ+18, FZHH14, Sou91, FM08, FR08, FP14, FSM88, FLN+18, Fu91, GKI05, GRT10, GLA88, GS13, GJY18, GSP+17, GR07, GGH+06, GGS10, GHS+11, GBKJ18, GWC+16, GLX17, GXL+18, GZL+18, GSN+18, GGS18, GNST14, HKA+18, HAAWH+18, HCC+14, HAE+03, HAM18, HDB18, HYF18, HAB+06, IASK14, IEG04, JAA07, JLO17, JL98, JWW14, KWK+18, KYY5, KZ12, KKK07, KPM+18, KCV11, KV12, KKL06, KDO0, KES17, KLW+16, LC17, LKG07]. **networks** [LBYL08, LWD+14, LLQS14, Li15, LFL+17, LCW+18, LZZ18a, LZP+18, LW18a, LL18, LM07, LCZ12, LY18b, LW+18, LAM07, LQX10, LL+11, LZX12, LW13, LvW14, IW+18, LWY+18b, LGYZ18, LS01, LHBC16, LLU+18, LZY+16, LLL17, MML+18, MNC+18, MPF05, MDB+18a, MDB+18b, MFL18, MSL+16, MLW+18b, MS18, MYK16, MSM+18b, NBB18, NS10, NK05, NKF18, NSS+14, NJKH13, NI02, Oe07, Pan95b, PSL+04, PSJ+12, PRS+13, PC17, PD18, PMM13, PPPS18, PBC+01, PWDD18, PF17, Pod01, RYH+18, RHM14, RM97, SJ14, SPT+18, SGGR+16, SIS18, SOD18, SM01a, Sap88, SVC+07, SNW01, SCY+18, SCB04, SCS+18, SLS10, STC15, SPEW09, SDD+09, SRG+03, SHTG17, SCEC18, SK05, SJL+18, SLZ+18, TSD18, TY11, VCD+18, VBS09, WSQ+18, WC01, WSS18, WLIP10, WN10, WWD+14, WJL18, WDD18, WDJC18, WdL16, WLQ10, WLS+18, WLZ+19, XCS+18, XL+14, XZ14b]. **networks** [XDH+17, YPL17, YCX05, YL18, YLA18, ZF16, ZLD+03, ZLL17a, ZZSZ18, ZZH+18, ZWS+12, ZNC+18, ZBL+14, ZZZ18, ZLH18, ZSS+18, vOHD+05, vdHDT+06, BMK+14a, LN+18, WL00, ZHL+18]. **networks-based** [FG18]. **Networks-Generated** [ZHL+18]. **Neumann** [HG92, KDE14]. **Neural** [Sou91, Fu91, GKI05, GKT15, HDK18, SKS+18, AFO+18, ASF18, Ami90, Ban02b,
CZH+18, Che18, Coo90, CS97, Del06, Fio06, HPZL18, HZL18b, JKL98, KKP+05, KLW+18, KS18c, LCL+18, LLWN04, LWY+18b, LLU+18, MDBB18a, MGA+18, PWWD18, Pud01, RS98, RM97, TZZB+13, TBS+18, VSV95, WCB+18, WILA+18, dLB10.


news [LRL+14, XWL+15]. Newton [BMZO1, Jun18]. Next [BDF+99, VB18, BDP11a, GLM+12, HJK+04, KZBK99, MWC+03, ML+18b, P000].

next-generation [ML+18b, P000]. nextgen [VCE+19]. Nexus [CLM+16].


node [HHZ16, LC17, LWD+14, LJJ18, LKFB18, QMZ+18, LG08].

nodes [AMH04, AEGF+01, AC18, GZW18, KS11, RBJ+13, Reh06, ZCC14]. noise [MFT+17]. noisy [MFT+17]. NOAMA [SCEC18].

nomadic [EA13]. Non [ID98, NGB18, RNR18, YC13, AFO+18, BMS05, BBB16, BCH+08, CzT+15, CW16, CLR18, DCL00, FP+04, GHYK18, JLU03, KKL09b, LOK09, MKH06, NPP03, Tho06, TBD+02, WWX+17, WCHL10, YAO14].

non-blocking [BCH+08]. non-cloud [CW16]. Non-cooperative [YC13]. non-dedicated [BBB16, NPP03].

non-deterministic [MKH06]. non-functional [YA04]. non-increasing [WWX+17]. non-interactive [KKL09b].

non-linear [CzT+15, FP+04].

Non-overlapping [ID98]. Non-parametric [NGB18]. non-patchable [GHYK18].

non-personal [JLU03]. non-preemptive [CLR18]. non-product [Tho06].

non-redundant [TBD+02]. non-reserved [WCHL10]. Non-shockable [AFO+18].

Non-standard [RNR18]. non-stationary [CzT+15]. non-trusted [DCL00].

non-uniform [BMS05, LOK09]. Nonlinear [CPK05, BMZO1, BV04, CFVP+03, KHO+19, NB04, OS06, Röb05, WVC05].

non-interactive [ID98]. non-linear [CZT+18].

non-labeled [Lib07]. non-mutual [AEGF+14]. non-mutually exclusive [MM01].

non-active [BCS97]. non-adaptive [BP13]. Non-acceptable [BGI14].

non-atomic [KZBK99]. non-binary [CZT+18]. Non-comprehensive [WCHL10].

non-conventional [VDD+18]. non-contextual [GL+18]. Non-decomposable [DLP87].

non-decreasing [MFP+18]. Non-decreasing [CZT+18]. Non-deterministic [MKH06].

non-deterministic [MKH06]. non-high [YA04]. non-interactive [KKL09b].

non-linear [CzT+15, FP+04]. Non-overlapping [ID98]. Non-parametric [NGB18]. non-patchable [GHYK18].

non-personal [JLU03]. non-preemptive [CLR18]. non-product [Tho06].

non-redundant [TBD+02]. non-reserved [WCHL10]. Non-shockable [AFO+18].

Non-standard [RNR18]. non-stationary [CzT+15]. non-trusted [DCL00].

non-uniform [BMS05, LOK09]. Nonlinear [CPK05, BMZO1, BV04, CFVP+03, KHO+19, NB04, OS06, Röb05, WVC05].

non-interactive [ID98]. non-linear [CZT+18].

non-labeled [Lib07]. non-mutual [AEGF+14]. non-mutually exclusive [MM01].

non-active [BCS97]. non-adaptive [BP13]. Non-acceptable [BGI14].

non-atomic [KZBK99]. non-binary [CZT+18]. Non-comprehensive [WCHL10].

non-conventional [VDD+18]. non-contextual [GL+18]. Non-decomposable [DLP87].

non-decreasing [MFP+18]. Non-decreasing [CZT+18]. Non-deterministic [MKH06].

non-deterministic [MKH06]. non-high [YA04]. non-interactive [KKL09b].

non-linear [CzT+15, FP+04]. Non-overlapping [ID98]. Non-parametric [NGB18]. non-patchable [GHYK18].

non-personal [JLU03]. non-preemptive [CLR18]. non-product [Tho06].

non-redundant [TBD+02]. non-reserved [WCHL10]. Non-shockable [AFO+18].

Non-standard [RNR18]. non-stationary [CzT+15]. non-trusted [DCL00].

non-uniform [BMS05, LOK09]. Nonlinear [CPK05, BMZO1, BV04, CFVP+03, KHO+19, NB04, OS06, Röb05, WVC05].

non-interactive [ID98]. non-linear [CZT+18].

non-labeled [Lib07]. non-mutual [AEGF+14]. non-mutually exclusive [MM01].

non-active [BCS97]. non-adaptive [BP13]. Non-acceptable [BGI14].

non-atomic [KZBK99]. non-binary [CZT+18]. Non-comprehensive [WCHL10].

non-conventional [VDD+18]. non-contextual [GL+18]. Non-decomposable [DLP87].

non-decreasing [MFP+18]. Non-decreasing [CZT+18]. Non-deterministic [MKH06].

non-deterministic [MKH06]. non-high [YA04]. non-interactive [KKL09b].
KS18b, KTTK17, MG11, MQN19, SJV+15, SWY+18, SGM11, SP93, SYK+17, TCB+17, CWD+08, GM11, Mil11, MCF+11, SB11.

Opening [HICÁFM+06]. OpenMOLE [RLRC13]. OpenMP [NHT06]. OpenNebula [KMT14]. OpenRTE [CWD+08]. OpenStack [CFF14].

Operating [ZYA+18, AHuJF97, BL98, BB13, DDMPG17, Gos00, MGLV04, RG04, WB90, ZAI+18, Zin18, BG87].

Operational [ALL+18, CYB90, MHA09, ONHT89, Sun10, Tak89b, WC14, YWA+89].

Operative [ALL+18, CYB90, MHA09, ONHT89, Sun10, Tak89b, WC14, YWA+89].

Operations [WMN+01, DL04, EG18, GDAS18, Kat04, Lau92, LY90b, LHCC18, MBB10, NSI02, TMDZ15, ZZC18, dLLA93, vWMBS14].

Operative [Ano84i]. operator [Kos00, YDD+18]. operators [ECPF17b, NHT06, TSOB15].

Optimising [KACN16]. Optimistic [LM12, YCAS03, WWW+16].

Optimization [BC03, LJD18, SSG17, TA18, WPS+18, ZCS+16, ACMLO5, ABMEMS18, ANA16, AKP+18, AT18a, AC18, BMRR01, BMU16, BBL+05, CPGBC16, CZL+18a, CHC+17, ECA+18, FZT+18, FM01, GLSJ12, GHEB+18, GHA+17, GZZ+18, HPZL18, HAP15, HZP+14, HZL18, HKP10, ISS+15, KKS18b, Le01, LLWW18, LKG08, LAH10, LLW+12b, MVR08, MGMT18, PFRC16, PKC+05, RL14, Sch03, SKJ01, SCY+18, SGN+18, SGR+18, TSK03, TWZP18, TV16, VR12, WVC05, WWX+17, WCL+17b, WWQ+17, WZWC18, WZ13, XDHL12, YDD+18, YKK13, ZRZL18, ZN12, ZZJ17, ZW18, ZYW+18, ZLG+14, ZLL+16, ZQB+18, ZSMS18, ZHHQ18, XZL14, dNE05, WMWA10, PW09, PT16].

optimization-based [HAP15].

optimizations [CC00, DSS98, SBA+05].

optimize [CdSDS15, HPGMM18, WCC+09].

Optimized [CAB+18, FDPR17, GTMZ17, TKA18b, AKCY+17, AAD+13, BFL09, BKKM11, DR18, GS16b, JNR01, LXL+17, LLF+18b, LJY10, SA07, TF18, TMMVL12, VSV90].

Optimize [BCFS02, BKSS02, dCDDF015, HWZL08, MSS02, NF13, OF07, OSC14, WYBS11, WLQ10, Zin18, ZSBB19, vWMBS14, FEPC18, GMEL08, HSC15, MFL18, VSDD13, WBJM14, ZSMS18, vW19].

Optimum [Dal06, AFPG91, AFP+92].

OPTIMUM-AIV [AFP91, AFB+92].

OptiPlanet [SGP+09, SbdL09].

OptiPortal [DLR+09, DDS+09].

OptiPuter [DLR+09, Mam09, SbdL09, SW06, TWC+06].

Optipus [Lau01].

OR-forest-based [CY90].

Oracle [CW93].

orbitals [REM04].
Orchestration [MT17, JTS13, SLL+18, VCE+19]. Order [Pan95a, AAC04, BFR05, BFC02, Bou95, Che14, Dal06, DJPM18, JNR01, LW18b, TJ18], ordered [Bag11, GY90, Qu04, SAKOK03]. Ordering [HMH17, BBI13, Kos60, ZWJ04]. OREA [TKA18b]. organisation [EGAQ09, Gra92]. Organisation [ANA16, Low01]. organisms [EA17]. Organization [MG10, HG92, SYT09, ZZH+18]. Organizational [HKG+16, KSM+07a, KSM+07b, RSV90]. Organizational-based [HKG+16]. organizations [Li10, RJJ+09, SMSF18, VWD+08]. organized [RP18]. organizing [DD05, FS07, FSM88, MPR+16, dRRR+18, dRRdQGR+18, SJL+18, VRGR16, XWL+15]. orientated [ZDL+13]. Oriented [BZS18, CHHW91, GLXF17, SCL18, VDTK12, AMBB18, AWN+13, AB18b, AQB15, BwdV99, BdCYG05, BR18, BGV97, BHH91, BHH92, BHK90, CPDJ13, CLL+14, CGST09, DWD12, DM12, DC00, EAED18, EG18, FLR+16, FJ00, FKT14, GVURIVBV14, GA13, Gil85b, HWW04, Hua05, HLT+18, JBA94, JJKL17, KST92, Kob92, KKL+03, LS+04, LX13, LWZ18, MLSF16, MHA08, MRS+18a, NK15, OFT09, OEL13, PSZL18, PBA18, SBLW14, SZZ+17, SLL+18, SAC11, Tak05, TAKV12, TBK06, VMD02, VDK12, WDJC18, WYN+90, WZWW18, XLW+17, XDHL12, YNSM12, YZW14, GMELO8, Sun10]. Origin [LH95]. Origin-based [LH95]. orthogonal [Fio06, PP06]. Orthogonal [DV03]. OSCAR [SLS05]. oscillatory [DR03]. OSP [VHML10]. OSI [Kob92]. OSINT [Q18]. OSLN [Sun10]. OSNs [GSN+18]. Osseous [DGA18]. other [HXA+17, ZZC18]. out-of-order [BFR05, BFC02]. outdoor [MLGGB+17]. outlier [DJPM18, NGB18]. Output [JKLK17, Aba06b, HPZL18, WHCH18]. Output-oriented [JKLK17]. Outputs [SK97, CCR18]. outsourced [FS18, LYZC15, DLSM15, WWR16, WCL+17a, ZSW+18b]. outsourcing [ED16, HCW+18, JCL+15, ZCL+18, dACAM13]. Over-sampling [MK19]. over-the-air [ZXW+18]. overall [WCC+09]. overbooked [LPB+18]. Overcoming [KC98, USK16]. overcommitted [CJHH13, ZHHC17]. overhead [DT94, LHY19, MTKS00, MVL18b, RS17b]. Overlap [LJJ18, BFCFS2]. overlapped [MTNM08]. overlapping [ID98, RZDM01, SJL+18, SAC11]. Overlay [SCMS12, BTM06, CCL08, CW13b, EA13, JC08, MLBS11, Pip10, PTT12, Pip18a, RKSU08, TY11, YXC05]. overlays [AN08]. overload [LYY18]. overloaded [SP17]. oversubscription [Mcd16]. Overview [BP94, ZG18, BCP18, DGST09, FBS18, KY85, KE85, Lan00, Miz89a, vdR93b]. OVM [BFC02]. own [VPA+18]. Owner [HLH+18, SBL18]. ownership [KH18b, RACA18, SK18]. P [Ano86i, Ano87b, Ano87c, Ano87l, JLL17, vdR87e, FK11, KKS08, MHZK18, SdR99, SSLF+10]. P-batch [JLL17]. P-CAM [SdR99]. P-found [SSLF+10]. P-GRAD [FK11, KKS08]. P-Spec [MHZK18]. P2P [AR10, BCR+12, CsZW14, CW13b, DMZ09, FM08, Fr08, GJ+13, GPK05, GNWT05, HCC+14, HNK08, HDLW13, IT05, Kin07a, LS10, LJY12, LLZ07, LQLX10, MM08, OPO13, OCCK14, PRS+13, RL12, RHMGC14, SA07, SAGL10, SYL18, WN10, WW13, WM07, YXC05, YMD+13, ZZL+10]. P2P-assisted [HDLW13]. P2P-based [GDJ+13, SAGL10]. P2P-content [BCR+12]. P2P/Grid [YXC05]. P2P/Grid-based [YXC05]. PaaS [KKKM18, KKKM17]. Pachycondyla [MVS00]. package
[BKL01, De 98, SLZ95, YA07]. packet
[KDHP16, MSM+18a]. packets [HCL+17].
**Packing** [BB17, LGMV02, MAA+19, SK12].
**PaCMAn** [ESPP01]. **PadicoTM** [DPP03].
**Page** [vdR87b, BNXS11, XL+17].
**PageRank** [MK19, RCM17].
**pages** [Ano86i, JDW+14, Teb86, vdR86b].
**paging** [BK06].
**Pairing** [MLC+18a, LL16].
**pairing-free** [LL16].
**pairwise** [Tis07, XZ14b, YWJ+18].
**Palmprint** [BG12].
**panchromatic** [GHEB+18].
**pansharpening** [YJY+18].
**paper** [ECPF17a].
**Papers** [TCG14, BGL08, CC11, CCRL18, Igl07, KZ17, LBR02, RW13].
**para** [LC13].
**para-virtualized** [LC13].
**paradigm** [AHs+18, AHP+18, BDP11b, BRH88, GBY16, HHSW92, HCL07, KB09a, LC14, MvdV01, PA01a, Pri95, STTK03, VR00, XLW+17, ZAA+14].
**Paradigms** [AR07, Gol00, GSN+18, JK92, OB17, RR18, SISGS18].
**Paragon** [ABK94].
**Parallel** [AvLR92, Abo06b, AJY15a, ABF93, AJZ+02, AMB+92, Ama88, Ama89, AKW90a, Ano90g, AR98, BCL88, BPM90, BVP+87, BJNH05, BHI+93, BHK90, BLB03, BTM10, CDG+14, CLZ18, CN92, CHHW91, CSP98, DDO+92, DFSZ88, EDD+10, EFD00, ES94, GL05, GS05, GA06, GCK98, IMSV90, IST04, JS89, KK14, KGX95, KU01, LOJ+07, LDS95, Luk00, Mal94, Mal01, Mal05, M59C96, OSH96, PP+19, dRRdQGr+18, RZDM01, SdR99, SBS95, SG95, SM96, TCG14, TKRA14, TBD+02, Uch87, VSV95, Vre88, WGL92, ZHHQ18, ZEO01, dSL98, Abo06a, AEQF+01, AT01, ADT03, AKW90b, dRADFG18, AS14, Bal92, BBH18, BBC+99, BC17, BKB97, BPS06, BG05, BBJ+06, BGC+03, BKB18a, BGML17, BFC02, BL92, Bout95, BSG+05, BCW01, BCM+95, CLP95, CGCB+12, CPGs+13, CTR91, CST92, CZY+18, CSL+18a, CTF+99].
**parallel**
[CRVZ15, CBK+01, Cas94, CMS+18, CHSA18, CG02, CKFJ06, CEGL01, CGL08, CCL11, CXL+17, CY90, CC98, CS96, CTMO06, CCHW03, dCCDFdO15, CFG93, CISP13, DSTD14, DDRR96, DJZ+00, DRST+97, DLV86, DOV01, Du90, EGXY+06, EL98, ESPP01, FSP02, FGM11, FD95, FN00, FM10b, GVDT16, GNOY01, GYCC+07, GBS10, GJS+94, Ger02, GGLD10, GHWZ94, GOMD98, Gil94, GZW13, GC94, HH98, HHSW92, HHS98, HRSW99, HAC92, HHG05, Her91, HKT94, HLS06, Hf03, HXL90, HHS00, HHZ16, Hum92, HLZ18, HMC06, ID98, ISS+15, JP17, JL95, JSK+06, JBA94, JL03, JLY+18, JM01, JEB18, JLMR00, KDFL99, KK00, KP00, Kac00, KA99, KZL106, KSY92, KMK90, Kos00, Kos95, KM01, KTV03, KB92, KL02, LC04, LP01, LR01, LYW+18a, Lu18, LRR94, LSD11, LN94, LRM14, LS94, MD92a].
**parallel**
[MvdV01, MP02, MRV92, McC96, MFL18, MLZ+00, MK95, NFK10, NQQL13, NOF18, OdOD+13, OVD98, Oku92, OK02, Omo91, OP95, OP97, Pad92, Par06, PCG+06, PF01, PBHK01, Pr95, PN14, QPTGG+12, RBS93, RBC+88, RN01, dRRR+18, RICW00, RS98, RCD03, SGT+08, SPK+07, Sap08, SSKF95, ST+05, SGFS01, Sch03, SHN10, SBHD08, SM10, Ser98, SD02, Shi92, SLC+17, Sin92, SCC04, ST98, ST99, SJI+18, SV10b, THKG98, Tan92b, Th94+14, TF18, TMT+07, Ti93, TV08, Tis07, TSZ99, UM02, VAS95, VP94, Vre98, VF01, VFS01, VSV95, WKS+03, WKC+13, WHW16, WJS+17, WAEO6, WHYZ17, XHY+90, YACS03, YdOLS+05, ZT90, ZT91, ZGCM00, ZEO98, ZXL14, dKdOS03, dLB10, dOOO+13, dTTR92, nM95, vKvW+13, vdV9a, vdV9b, BG87, Her87, NCCS99, NS17b, TRFR01, VD16, vdR86b].
**Parallel-Operating** [BG87].
**parallel/distributed** [CBK+01].
**parallelisation** [IJC03].
**parallelise** [IJC03, SLZ95].
**Parallelising** [Kea93].
**Parallelism** [Par90, Bal91a, CDG+14,
parallelizable  [Tor13], Parallelization  [BST+04, BPC+01, BVD00, LB04, WYJ99, BCM01, Fab98, KS98, SM18, VM94]. Parallelizing  [GWC+16].

parameter  [NHG02, NHG03, SNC18, SL13, SBA+05, SVN10b].

parameter-space  [NHG02, NHG03].

Parameterisation  [GVD+03], parameters  [HLZ18, NBB18, PB02, SWW13].

parametric  [NGB18]. PARDIS  [Kea99].

PARDISO  [SGFS01, SG04]. Pareto  [TZST14, WXW17]. Paris  [Aon84k].

Parkinson  [AAN+18, AAS17]. PARLIB  [CGZ95]. PARLOG  [Bal91a, DTV99].

ParSA  [ZSX15]. parsing  [BM00].

 Parsytec  [Cro95, vO95]. part  [PH94, MK16b, PZY16, PZY17, RVC16a].

Partial  [WT+16, PBC+16, PBC+17, TDB+02, Xia06, YCX18]. partial-load  [PBC+16, PBC+17]. partially  [HIKS18, Veno8]. partially-observable  [Ven08]. participant  [MLW18b].

participating  [TDC+14]. participation  [CAB+18, EKGS14]. participatory  [LGY18]. Particle  [KG01, Sin92, WCL17b, XRPT18, ABB+03, BVD00, CM99, Len01, LAH05, Low01, MKH06, SLW01, ZS18].

particle/continuum  [LW01]. particles  [Dzw97, DB99]. particularization  [CP5R14]. partition  [DLW07, JLY18, LZW18, RSJ+14, TF18].

partition-based  [TF18]. partitioned  [DLR14]. partitioner  [DHB02, LZW18].

Partitioning  [ATF11, kHsZwJ18, SW05, SLG+17, BW97, GODM98, HZC+08, LXD17, VSDD13, WC01, YWCC18].

partitions  [SAC11]. Partridge  [Aone87b].

party  [CLM00, ED19, KKB18, Pol98]. pass  [CCS+19, LY18a]. passage  [BDHK06].

Passing  [DKD08, Ber98, BFR99, Chu10a, Gor02, Kac00, Kal94, LDSH95]. passive  [CSW14, DD05]. passport  [GWO03].

password  [IOV+18, LZS18, ZWXA18]. password-based  [IOV+18]. Past  [AGM17, Fer84]. PAT  [WISE18].

patchable  [GHYK18]. Path  [AHM17, ADK06, Chel3a].

DvdHGdL09, GdLvOT03, KDe04, KNS10, Lk89, Mar02, NJHT11, DLS14, SJ13, THN+06, WTW+16, Xia06]. path-based  [ADK06]. path-planning  [Mar02].

paths  [Alb04, CFG+05, WW11, XYYG18b, vOHD+05]. patience  [IACNC16]. patient  [AIB+18, CTT+08a, RRS10]. patients  [VFHB14].

Patterns  [AM17, AVP17, ABG17, BP02, CDG+14, IHA18, KLO2, LY17, LC15, MRL14, PSK+10].


PC  [MKTS00, MLS01].

PC-clusters  [MLS01]. PCP  [WT+16].

PCP-B  [WT+16]. PCLIB  [LWX13].

PCRLB-based  [LWX13]. PCs  [BL02]. PD  [PK+18]. PDDRA  [SR12]. PDE  [BRMN04, BEWZ10, NHT06, Par06, TBK06]. PDE-based  [BRMN04].

PDEs  [MR04b, MR03a]. PDG  [CLP95]. peak  [NJF18]. pearls  [BBH18]. pedestrian  [KVR+18, IRS+18]. peer  .

[ADK+09, BS90, CTE13, C813, FLPP05, HWZL08, JC09, KKL06, KIC12, Li15, LAM07, MTV05, MCT+09, MRD10, PGSM05, PSJ+12, PEMAM13, PSS12, PIP18, PLL17, SM10, SLZ+09, WL10, WQL10, XKB18, ZQZ09, ZA13, BNFZ08, CTT+08a, CD07, FX10, HJ10, TPBS14, TTP+07, WTK07]. peer-to-peer  .

[ADK+09, BS90, CTE13, C813, FLPP05, JC09, KKL06, KIC12, Li15, LAM07,
MROD10, PGSM05, PMMAM13, PRS12, PIP18a, PLL17, SM10, SLZ+09, WLP10, XKB18, ZQZZ09, ZA13, BNFZ08, CTT+08a, CdCd07, FX10, HJC10, TPBS14, TPP+07, WTK07. **Pegasus** [DV+15].

**PEI** [VP94], **penalty** [GZZ+18]. **people** [GMLGB+17, GMG318, RMSPP17].

**people-to-people** [GMG318].

**per-application** [XJY+18], **perceived** [XJY+18].

**perception** [LWH+18, ZYW+18, vVDBB98].

**percolation** [BMPS01, Pal13]. **Performance** [AFSH+18, AHL11, BMRW01, BGI14, Ben99, BDZ13, BM92, BP94, BK06, CMT01, CHC+17, CMZ95, Cho04, CCKW88, DZ04, Din99, EPB18, ETR+13, FM01, FBS18, Gen95, GBT87, HB98, HCL07, HMW14, HJCD05, HJK+04, JSK+06, JS13, KZC04, KJFS12, KSW+13, Kun94, LRC+18, LPD+13, LOK09, LHZY19, MVC+11, MYBM18, MM03, MLZ+00, Par04, PIP18b, RKSU08, RPMG10, SI18, Shi04, SD03, SG14, SvAS01, SK06, TDF07, VSV95, WDJC18, Wil00, WXGM18, Yam92, dO00+13, dSL98, ABA09, AB01, AFP07, ADKS06, ACU95, AB95, AKB18b, ASB18, AEMC+18, BL98, BARM14, BFS+17a, BFS+17b, BBC+99, BC17, Ber96, BCS99, Bhu95, Bis94, BS09, BGC+03, BGMLS17, BRHH18, CRE01, CN17, CSW06, CCRV13, CWD+08, CKFJ06, CSG+18, CW13a, CLP+14, CS12, DCS+07, DRS+97, DPF16, DGCCH+17, Dog09].

**performance** [DHS99, ET08, EP13, FD02, FSM+18a, FJ00, FJT01, FPR18, FscC07, GVT16, GAFFOG12, GNOY01, GS13, GJJ13, GVI13, GSC11, GLNT13, GEAR13, GRMSQ18, GIK18, GGH+06, GGSZ09, GJKP18, GG10, GAB+96, HD05, HAF+16, HHSW92, HD+94, HAE+03, HO02, HKPT10, HKM+06, HWZL08, JAA09, JLC18, KDHP16, Kal94, KZKL06, KMB+17, KBVH14, Kha12, KSAOK08, KBM+02, KKK+07, KPM+18, KVC11, KKW+14, KS17b, KAEC+18, KB92, Lau01, LSLS05, Lee04, LGW07, LB09, LRYJ17, LSD+17, LHX+18, LFH+15, LLR02, LM90b, MJM+16, MH01, MAJD18, MBMTJR18, MKH06, MI10, MKH13, MD12, MSBA16, MSM+18a, MFL18, MOK06, MDT+18, MROD10, MWWMA10, NNRA19, OG18, OF07, OKF10, OP97, OS01, PS10, PH99, PIMBS14, PSP+09, PH94, PDDS10, RSV90, RMJ+18, RS16, RLL+17, Ret03b, RSR01, RS94, RKB18, RZDM01, SPMC10].

**performance-aware** [KKW+14].

**performance-directed** [RSR01].

**performances** [CGIP14, GIM16, UNM+16].

**performing** [CEJK94, S018].

**perimeter** [RR18].

**perimeters** [DDR+07].

**periodic** [DOV01].

**periodic-frequent** [IHA18, KY04, S+16, SSM14b, TKT+08].

**periodic-quality** [IHA18].

**PERMIS** [CO93].

**permission** [LXZ+18, MRL14].

**permissions** [KKA18].

**permutation** [ABMES18].

**perpetual** [RA12].

**Persistent** [CSYY18, ALL+18, GHP+18, ZSP17].

**Personal** [EHMS00, GTCZG+18, Ra017, WLP18, ALL+18, HCC+14, JLU03, KZ11, LWF+17, Wal94, BSR18, LHL15, PSG+06].

**personalisation** [SCN+14].

**personalization** [PNH99].

**personalization** [FHYH15, MVG18].

**Personalized** [NWD+18, ZCH+17, BJ12, GJ18, LG08].
PARMF14, WMA18, WLS⁺18, ZZJY16]. perspective
[Aig86, BDH14, GVGB17, HDC⁺94, HPS97, HQ07, HQ10, Kob92, Mur95, SSS⁺08, Wal94, WWR16, Wu86, WZ16].
Perspectives [LPC⁺95, Nar86, SBB⁺10, SRCR97, AC10, Baa87, KKVdB⁺17, PT05]. Pervasive

Placing [KN10]. plan [ABZK15, LWS⁺12]. Planck [TM⁺07]. plane [CBBD16, GZL16]. planes [Man09]. planned [KY85]. Planning [WTM⁺17, AMD08, AFP91, AFP⁺92, BA17, CMB17, DCC⁺14, KDE04, Mar02, OS92, RN04, SA14]. plant [Hir89, Mae89, PAC⁺17, Suz89]. plants [Han89]. plasma [BVDF00]. plasmas [GPH⁺94]. plastic [Ned06]. Platform [GC00, GPS⁺17, SV16, CVKB12, CGSV17, CW93, CSQ17, DDV92, DVVD02, DBA98, Fau05, FPP⁺18, FCD⁺14, FSP⁺18, GTMZ17, KKS⁺18a, KKKM17, KKKM18, LYJ10, LC14, LSH⁺11, LWHS07, LLW⁺18b, MAD⁺16, NV11, NDZ⁺18a, NDZ⁺18b, PWB⁺13, PLLL17, QZD⁺18, SAGGB17, SBHD08, SBD⁺18, TKA⁺18a, TCN⁺14, TCB⁺17, VF18, WTK07, WQG15, WCC⁺16, XFL16, YWL⁺17, ZJZW04, CLM⁺16]. Platform-as-a-Service [CLM⁺16]. platforms [BYV⁺09, CT13, CA15b, DXL⁺18, HA16, HA18, KMK⁺14, LCH⁺11, LOR⁺18, LLW⁺18a, LRZ⁺18, LZX16, M01, MCA16, PPS18, PPA18, RB18, SB16, SBP⁺17, SG15, ZCL⁺14, ZZQ⁺13]. play [dRRRR⁺18, WXYL15]. playground
HRCL07, HML07, SR12, ZCQ+16.
pre-cache [ZCQ+16]. pre-fetching [SR12].
pre-scheduling [HCL07]. pre-WS
precondition [HML07]. precaution [AQRH+18].
precedence [TLL+11]. precise
[GGN17, WHS+18, HYF18]. precoding
[ZWL13]. precompiler [BEWZ10].
precomputation [LJW08]. precondition
[BTM10, KZC04, WKK03].
preconditionings [MvdV01, mM95].

Predatory [XRP017]. predicate
[FH13, HFT16, Qu04]. predicate-ordered
[Qu04]. Predict [ZS08, ABG17, CLP+14, PGPW09, ZLY10]. Predictability
[Md01, BFGWA15, McC96]. predictable
[LYQ06, MWPV12]. Predicting
[MAJD18, MDB+18a, SPSSP17, WQG15].

Prediction [PN09, ACML05, AFAS+18, AQAR+18, AMK18, AKS+18a, BMF15, BMMG10, BGC+03, BK06, CHWW13, CGV10, CSW06, CSL17, CAL+18, CGM+18, DMZ12, DWM01, DLS+12, GAW+18, GSP+17, GP11, HPZL18, HSV+17, HHS+18, IKLL12, JSDK+06, JHLC18, JLY+18, Jun18, KSS+16, KLV+18, KIS+18c, LWSY18, MZH+17, MID16, MCT+15, MPF+16, NWD+18, PNGF13, PKC04, PDT+18, RGA18, RLP12, SMRM13, SL11, TMT+07, TYYW18, VS04, VSVG5, WHW17, WYH+17, WYL+18, ZZX18, ZXL14, VBB15, FGG13].

Prediction-based [PN09]. predictions
[CR17, ET08, NF13, ZSI08]. Predictive
[BMP+16, FHM+99, LBD18, NHJ+18].
predictor [XJY+18]. preemptive
[CLR18, XHY+90]. Preface [ARB12, Fis00, Her90, KJ12, LHI3a, LSHW17, Miz89b, Par91, Rus90a, SLe14, Slo05a, XKC13].

Preference [ZZC14, MTD18, ZL18]. Preference-based [ZZC14]. preferences
[BCF16, LLGY18, OAMS18]. prefetching
[CY01, PKC04, WZWC18]. pregnancy
[MRS+18a]. Preliminary
[LF95a, KSY92, TC92]. premiere
[MBC+11]. Prentice [vdR87h].
Prentice-Hall [vdR87h]. preparation
[dLLA93]. preprocessing
[CGM+07, MCA18, RHK15].
Preprocessor [VOV17]. prescribed
[CDS03]. prescription [HIA+18b].
presence [KDP16, MFT+17, RBL14].
Present [Abe92, AGMT17, Fer84, Bis94].
presentation [Zna94]. preservation
[BKM03, BBH99]. preserved [CRYG18].

Preserving [TSOB15, YDNV16, ALL+18, CZ12, DHW+17, EL03, FA+14, FH13, GQXL18, GAI+18, IOV+18, JCMPPC+18, JYY+17, JLC18, KKB18, KHI18b, LLC+14b, LCL+16, LLH+17, LYY+18, LLY+18, LWM15, LLM+16, LDY+18, LNY+18, LWA17, MML+18, NK17, PSY+19, QZD+18, QXG18, RBA17, SY+17, SLW11, SLL+18, TAS+18, UM02, VCD+18, Wan18b, XCS+18, YLN15, YZG+18, YCW18, ZYK17, ZZX18, ZZX+19, ZRZ+14]. Press
[Teb86, Zad87, vdR87i, vdR87j]. pressure
[DMN+05]. prevalence [RAK18]. prevent
[LIN10]. preventing [SM18]. prevention
[KYAD17]. preventive [PPM+18].

PREVISE [dLLA93]. Price
[Ano86, Ano87b, Ano87c, Ano87l, CLRL18, GGL18, JT13, JHC18, vdR87b, vdR87a, vdR87d, vdR87f, vdR87i, vdR87j]. pricing
[DB14, DEG+17, JBR+16, RA12, SVB07, Ven08, YLL18, YVCB10, ZZX18, GVA+16]. primitives [BH13, BDFP05].

Principles [DHS00a, VRGR16, DK00, Gil94, GSI15, PO00, Pap05, WRBG94]. print
[KLH+04]. printed [YCZ18]. priori
[GL04a]. priorities [GS13]. prioritization
[FD95, SRN+18]. Prioritized [WBT+08].
priority
[AS18a, ÇBCA15, DSCJ18, VAdlP12].
Privacy [AWYJ16, ALL+18, CRYG18, FTA+14, GQXL18, JYY+17, KH18b, LLC+14b, LYY+18, LLY+18, LLGY18, LLAW17, MHZK18, NK17, Oop00, PMBS14, PSY+19, QGX18, TAS+18, WSN18, XDWL15, YDNV16, YZG+18, ZYK17, ZWS+12, ACL+18, AIvAQF18, AIA+18b, AM10, CD16, DGY+18, DA18, FH13, GAI+18, GBKJ18, GSN+18, HHK+16, IOV+18, JCMPPC18, JLC18, KKB18, KYB19, LCL16, LLH+17, LYC18, LXMW15, LLM+16, LSHW17, LDY+18, LNY+18, LRBW17, MML+18, NWMG17, PARMF14, QZD+18, RHH+16, RBA17, SYY+17, SCL14, SCZ+14, SLW11, SCH+17, SLL+17, VCD+18, Wan18b, XCS+18, YLN15, YZW+18, YXA+18, YCXW18, YKÖ+17, ZCLW18, ZZL18, ZCYZ18, ZXX+19, ZRZ+14].

Privacy-aware [MHZK18, DA18, SCH+17].

Privacy-based [LLGY18].

Privacy-preserved [CRYG18].

Privacy-Preserving [YDNV16, ALL+18, GQXL18, KH18b, LLC+14b, LYY+18, LLGY18, LLAW17, PSY+19, QGX18, TAS+18, YZG+18, ZYK17, GAI+18, JLC18, LCL+16, LLH+17, LXMW15, LLM+16, LDY+18, LNY+18, MML+18, QZD+18, SYY+17, Wan18b, XCS+18, YCXW18, ZCLW18, ZZL18, ZCYZ18, ZXX+19].

Privacy-protected [WSN18].

privacy-protecting [CD16].

Privacy/Performance [PMBS14]. Private [RBLvm14, CLL+14, FDP17, GSL12, HYF18, KTY03, KKL11, Nag86a, PMBS14, SGK10, ZLXZ18].

PrivBox [ABH18], privilege [CO03, QRW+18]. PRNU [VOCH17].

PRNU-based [VOCH17].

Proactive [GHYK18, LW18a, QGT+18, WZML18, KAW12, NJH+18].

Probabilistic [MK95, RT16, AC92, Bag16, Ban05, EMM12, SB18].


Problem-Solving [YPFS05, Pad92, CRM05, WH05]. Problems [Nit88, SSG17, Van87a, BCRM01, BS04, BV04, CMT16, CTMO06, Dat03, DHD89, DR03, ED04, FFP10, Hul89, JNR01, MGMT18, MR04a, MKK03, NB04, Ned06, PKC+05, RGH+01, SKT+08, Sch03, SJV12, Tab06, THKG98, VFS01, WX+17, XA10, XRPT18, YDD+18, ZRZL18, ZTKF17, ZEO98, ZEO01]. procedural [BMFC07].

procedures [FB12, dLLA93].

Proceedings [Rho89].

Process [SJV+15, BBL+05, CLP95, CRVZ15, CAS+18, Cur92, DVV90, DLZ+14, EG18, FJ00, HAAH05, HXC+18, LZLL18a, LWS+12, LW+18, LCCM18, MKM11, Niw89, PTD+18, dRRdQGR+18, SY+07, TIHT14, WZ16, ZMJ+06]. process-based [LW+18].

process-independent [EG18].

process-level [CLP95].

Processes [Bag16, BMPS01, BKB18a, BDNN02, CM01, CHSA18, EL98, Gue01, HW95, Mis92, MAB+15, SKT02, WMLS14].

Processing [CLNR18, FMD99, HCB16, LJ17a, MLBS11, WXGM18, YZII18, Ano86j, ADLM18, dRADFG18, BKB11, CMX+16, CLZ18, CN92, Chv87, CEJK94, CGM+18, CBBdL16, DM93, DF07, EFD00, EMHE18, FPR18, GP09, Her87, HRW18, Hsu14, KKL14, Kim18, Kho92, KVHT10, KE85, LGH97, LKM14, LGW+17, LH07, LK08, LW+18, LRC+18, LM90a, MLC18b, MTD18, NMZC06, ONHT89, PK99, PKY+17, PPPS18, PPS+18, Ref87, Sap88, ZS05b, ZAP05, tTvH96, vdV89a, SMI01, VAS95].


re-encryption [BGP+17, HYF18, LL16, Wan18a, ZDW+16, LAL+15]. re-fusion [LYW+18b]. re-optimization [PFRC16]. re-outsourcing [JCL+15]. re-structuring [CCG07]. reaction [BMP08, STW14]. reaction-diffusion [BMP01]. Reactions [Men05]. reactive [LPB04]. reactivity [DRS04]. read [IDCJ11, TMDZ15].

Readers [Ano05g, Slo06a, Slo06b]. Reading [vdR87g]. ready [BFK02, MMC+18]. Real [AKG+17, BKB11, CDH+19, DGD+16, EET18, HKU+11, KLC05, Kim18, LRZ+18, MG18, MKT09, NJ17, OKF10, RPA+18, SKF+09, VLK09, XYZ05, BRR+04, BMP+16, CPGB16, CCT13, CRRC18, CFF14, DT93, Dog09, FSP02, FAMA+17, GVURIVBV14, GK+12, HNCJ13, HMP04, JOPW14, KA09, LF01, LLWN04, LG16b, MPCAF15, MGA+18, MOFGP18, OPT+17, Pal09, PKF14, PTD+18, PWP+18, PG18, PGTB18, Pfi99, PSS+16, SST+06, Sin92, SK12, Suz89, TSRG17, WQG15, WSH+16, WOPW13, Wu16, YAO14, YNSM12, ZMTT16, ZK+15, ZSP17, Zin18, dITK92].

real-life [JOPW14]. Real-Time [MG18, AKG+17, BKB11, CDH+19, DGD+16, EET18, HKU+11, KLC05, Kim18, LRZ+18, MKT09, NJ17, OKF10, RPA+18, VLK09, XYZ05, BRR+04, BMP+16, CRRC18, DT93, Dog09, GVURIVBV14, GK+12, HNCJ13, HMP04, LF01, LG16b, MPCAF15, MOFGP18, OPT+17, Pal09, PKF14, PTD+18, PGTB18, Pfi99, PN09, SS04, SST+06, Sin92, SK12, TSRG17, WQG15, WSH+16, Wu16, YNSM12, ZMTT16, ZK+15, ZSP17, Zin18].


reassignment [LYW+18b, STMV18]. receive [Gor02]. received [AKM18]. rechargeable [CZM+18]. Recognition [GTEL+18, BG12, Bae14, CPP+18, CZ12, GPJA+14, HUMA18, HLL12, HLT+18, JHQZ18, Kha12, KLH+04, KKP+05, LL18, LAL+15, MHC18, MLL16, MPH00, OCW14, Pet95, PSS+18, RSY+18, TJ18, YPCK12, XYY18].

recognition [SB989]. Recommend [GGLW18]. Recommendation [CCCPBGS10, RMA+18, ABZK15, AK18a, CZL+18a, CCJ16, CHY+18, FLR+16, GJ18, GMS18, KZA+18, KKYK04, LCH+11, LCW+18, LZH+18, LXM15, LQLX10, LLGY18, LW18b, LSV+18, MML+18, MLW+18b, QZD+18, RW18, WMA18, dOWdAS+18, XL+18a, ZX16, YWL+17, ZZJY18, ZL18].

recommendations [WBMP99, ZCH+17]. Recommender [EGVT18, YL18, DV13, KKB18, TNY17, TAKV12]. recomputation [HSS00]. reconfigurable [AAD+92, AS11, ECC12, JH98, LK14, NWE04, Pan95a, PHL98, YP12].

reconfiguration [CCLS09, EG18, GYH+18, GVURIVBV14, MNV12, MKT09, PA01a]. reconsolidation [SHRE16]. reconstructed [AD18]. reconstruction [Alb04, IEG04, LL+18, RICW00, XSM04].
YSZW18, ZS05b]. record
[RC03, BSR18]. record/replay
[RC03]. recordable [LWW+16], recorded
[HNP05]. Recording [FM10b]. Records
[Rao17, CTT+08a, LZL18b, H15]. Recovery
[SPJ17, WZML18, BNJ16, LPMY18, LZS18, M12, D18b, PY00, PWY03, RRU+18, SA14, TAER18, YIA17]. rectifying [SYS04]. recurrences [FM10].

Relining [PYH17]. regulation
[LKM16, LKK+16, TBS+18]. regulation
[HXT17]. regular-topology [LKM16]. regularization
[LKTC14]. regular
[CSJ+17]. refinement

Recruitment [VS04, V89]. redundancies
[CSJ+17]. redunancies

Reduction [FM10]. Reductant
[WC97]. reduce
[BFRM07, BEWZ10, Gra15, MVL18b, SCCS11, T15]. reduced
[BFL18, TM05]. reduces

Reduction [FM10]. Reduction
[AMA88, A89, BV89, B89, RSV89, V88, B97, B99, Fu85, H03, KG95, RV90, SS03, V84]. redundancies
[LYJ10]. redundancies

Reduction [FM10]. Redundancy
[AM18, DZZ+15, PD13, ZHL+18]. redundancy-based [DZZ+15]. Redundant
[dR89, TBD+02]. reefs

Refactoring [KT18]. Reference
[CBS17, AKB+01, RC0+11, WX+17]. refinement
[HV03]. refinements

Refination [CS1+7]. Reflection
[Lop96, TA96, AP96, BS96, tTV96]. reflective

Reduction [FM10]. Reductive
[EV96]. Pit96, SGdMM96]. regarding

Registries
[GD05, MWYC12, MSS02]. registration
[CEGL01, MLSO01]. Registries

Registrator
[BGK+05]. Regression
[CAP18, FSM+18a, AQAR+18, ZZZ18]. regular

Remote-sensing [AM99]. remotely
[MR+10]. rendering
[BRR+04, HH98]. Igl04a, KB+03, Pi99, XYY05]. renewable

Renaming
[GDS08]. Renaming
[MQN19]. renaming

Renaming
[GMC16, GMC18]. repair
[GDR+10]. repackaging

Repartitioning
[ML16]. RePoCoN
[PLA18]. replaceability
[ZGS+13]. replacement

Recovery
[GMCM16, GMCM18]. repair
[VD00]. replay
[RC03].
replica
[AWN+13, CC07, KLSS05, MVCC10, SYL18].

Replicated [HHS98, SHJ06, Bal91a, DAM08, HKS18, TV08]. Replicating
[MBV+15].

replication
[ASD12, AMT+12, CRVZ15, CTR+17, CCL07, CCG07, Doh09, GS16b, GIM16,
HNKO18, KISS11, LLPC12, LVH08, LJY12, LSTV07, MLG13, MPC+18, MC04, MHA09,
PSJ+12, PGCC+10, PB18, SR12, ST11, TZZK13, TLYT05, TLTY06, ZW04].

replicative [SRN+18]. replicator
[WKT00]. report
[CN08, DQ97, FK99, Van87b, vdR87].

repositories [ARP14, EGAQ09, HES99, SCBK+16, SSLF+10]. repository
[FAJP99, Ham17]. representation [AP96, BCF16, CPA14, LZL+12, LSL18, PBL+18,
Qou04, XLL+18a, XJY+18, YJY+18].

representations [LY90a, NMC15].

Representing [GM11, AHL11]. Reprint
[AB18c, GMC18, KKMK18, LKP18, PBC+17, ZFC18]. reproduce [HMM18].

Reproducibility [SPdS+17, CBBC+17].

Reputation
[PS10, ABH18, FMRS18, GA13, LXMW15, LHX+18, LLJ+11, RWH+18, TY11, TMP15,
WN10, WYS11, ZZL+18, ZCZ+18].

Reputation-based [PS10]. request [YZ12].

requests [HFM19, SYAL13]. required
[PCB99]. requirement [SMRM13].

requirements
[Ber96, DDRR96, FC05, GDP+18, HSS17, LW+12b, Mur95, PBO5, QCD16, YS16].
requires [DHS99]. rerouting [RRU+18].

Rescheduling [LZ10, dRRdQGR+18].

Research [CCIP18, CXZ18, CZH+18, CDFZ16, CSC18, CMZ+18, DG09, DJ+18,
HGM15, Kaa99, LJ+18, LGW+17, MYHZ18, PSP+09, Van87b, VCE+19, WWZ18, WZ18, WW18,
YK017, AZH18, BY93, BAD+05, BS84, CLM+16, CLY18, CGL+10, CMD+14, Fur92, Gal87, GML+13,
GSN+18, HPP+18, KZ17, KCH+13, LPC+95, LGS+07, MLC+11, MED16, MFL18, MML18,
MCWP16, NSF87, OFMZ18, SDWS13, Sch94, SVN+10a, Shi93, Tic93, VB18, WLLH18,
YS16, ZL18, ZLO4a, vdR87l, Kaa98].

researchers [HSB+18, SDWS13].

reservation [CJ+18, CFG+05, DVB14].

reservations [ET08, NF07]. reserved
[DEG+17, WCHL10, VVB15]. reservoir
[PKC+05]. reshaping [DMZ12]. residual
[RT15]. resilience [DSL14]. Resilient
[AAAQ+18, CM17, DLZ18, EBCP18, PGTT18, TDO+08, Wan18a, YAX+18].

Resisting [WSU+10]. resolution
[ACSdRR17, DCC+14, GMM18, HNQ+18, HJPS03, JRJ+11, JP18, KPB+03, KLI+04,
PDW+11, PCB99, RHJ+09, RMA+16, SMC99, SLDK03, Wei11, YDK11].

resolving [SK18]. Resonance [RDSA18].

resonators [CASW05]. Resource
[CKKG09, CO10, DXL+18, EGK+07, EW97, HQ07, KK11, LW+14, PFPJ18,
PPL+15, PPA18, SMRM13, Sl96, SAK+10, TCBR16, TSB18, VDPHS09, VPT+15,
WCW18, WY17, Zhu04, ABG02, AFF+09, AGKZ18, AMHI10, AC18, AEEM+18,
AS14, BS11, BBM+03, BCF+10, BAB12, BMK+14a, BCR+12, BR10, CVKB12,
CCL08, CH10, CLC11, CLLL18, CCLS19, CX+18, CT09, CS12, CC09, Ciu10b,
CC+10, DVPD12, DSO8, DSCJ18, ET08, EG18, EK+13, EMJ+13, EA17, Fer13, Fer96,
FEP18, FH+99, FSM+18b, GEG14, GDJ+13, GAJP18, GPKO5, GRM18,
GBF+12, GJF+12, HZ+08, HB08, HY09, HAP15, HZZ+14, HC014, HB00, HDLW13,
HPLO8, HML07, HML09, IDM+16, IDCJ11, ILLL12, ISS+15, IAL10, JLCC12, KS18a,
KC14, KHC+18, KA08, KMI11, KAD14, KACN16, KV12, KKW+14, KFC+07,
KGM11, KMK+14, Lea13, Lea15].

resource [LCBF13, LTN10, LPK17, LPK18, LLO4c, Li10, LYY+18, LLP+18a, LY10,
LC15, LLS+18, LS+18, LWZ18, MTV05, MBS13, MV09, NRR+15, NCS12, NK15,
[ABGMC19, FG14, HKP10, SM10]. Ritz [BB04]. RLRD [LZL+12]. RLWE [ZXJ+14]. RM-BDP [PPA18]. RMI [AG05]. RNN [TSAER18]. Roadside [BBC+18, BS01b, Eng14, FBS18, LHJC18, LLN+18, SNW01]. road-vehicle [BBC+99]. road [Shi85, HMW+19, Mar02, Zhu18, DHC+17]. Robotic [ADH+16]. Robotics [DHC+17, VRGR16]. robots [CFPC17, Pol87]. Robust [PBC+16, PBC+17, FF17, AIA+18a, AIB+18, BRM04, CM17, CDS03, HZL18a, HUMA18, IOV+18, LPK17, LPK18, LNK+18, NWMG17, RS17b, Var03, WWW+16, WLS+18, HLV+16].
Robustness [WSZH18, SMS14b]. rocks [BBJ+06]. Role [SHJS10, YLG+16, CO03, CGJ+10, HLL+11, LZX+18, SOA17, Wi03, Wit94].
routes [LG18]. routine [OCdAM07].
routines [BF05]. Routing [Dör05, GLA88, TKA18b, ASAA18, BMK+14b, CST92, CA13, CJ14, Che13a, DOV01, DK14, ESP17, GBK18, HLL18, HZW+18, IGB+14, JLQ+17, KLM+03, KSAK03, KSAOK08, KID+16, LTM12, LH95, LS01, OVD98, SAK03, SCY+18, SMS14a, SDD+09, WSZC18, Xia06, ZF16, ZYW+18, ZAI+18, LC17].
RP3 [CR92]. RPC [KB18]. RSA [KKL09b, YXA+16]. RT [HNCJ13, WSH+16]. RT-MOVICAB-IDS [HNCJ13]. RT-ROS [WSH+16]. RTO [CJG+18]. RTOS [JK17]. Rule [FTP14, HHB09, LJ17a, LJPS05, XYLZ18, CCI18, KMI11, LLC+16, LHW+18, MRH17, PMK18, SCN+14, Yos89, ZCX+18, HCNT14].
Rule-based [HHB09, LJPS05, SCN+14, Yos89].
Rule-driven [FTP14]. rules [AW97, DSCJ18, EBOY14, KA08, MCL+16, SA97, ZDW+18]. Run [CWD+08, BC15, HLA+18c, TF17].
Run-Time [CWD+08, HLA+18c, TF17]. Runge [CP06]. running [CRE01, DW87, RM11, SHP+16, ZS108].
Runtime [JOPW14, AFB+10, EP12, HÖ03, JPB17, LMT+14, LKJ17, MZC10, M219, PFP+17, TSK03, USK16, UDVW+18, VR05, YAJG+15]. runtime-interference [HÖ03]. runtimes [DPP03, KTV03].
S [Ano87c, TEB86, VD87e, VD87i, VD87j].
S-ABC [XLW+17]. S-InTime [PA18]. SA [LHM14]. SaaS [CGL15, CPP16, FHYH15, FFPD14, IS18, VK17].
SaaS-based [FHYH15]. Sabotage [DAO07, SAR02].
Sabotage-tolerance [DAO07, SAR02]. safety [BMR15, CY12, HÖ03].
SAGE [KID+16]. SAGE-based [KID+16].
SAGE2 [RMA+16]. Salesman [SMI01, VAS95]. sampling [MK19, PPL17, KT+08, YKK13]. SAR [FCD+14]. Satellite [BT93, CFVP12].
satellites [TC92]. SATEXPERT [CSC+92]. satisfaction [HMA18b, MLS16].
Scalability [ASV+13, BNF208, LLRS94, MCC96, MG18, LSB+18, MRD10, SMC99].
Scalable [AMH02, AGA16, BK18a].
CMX, FS18, GZLZ16, GZWQ13, JLI08, LXL09, MWQ+14, Pa113, PN13, SBG+09, THA+17, TJWS10, TSRG17, TDV+08, ZTTF17, AG92, AR70, AR07, AFB+10, BCC+17, BW95, CLL+14, DLR+09, DVVD02, FWB13a, FWB13b, GGN17, GS15, GW01, JSC+15, KMB16, KK16, KK97, LCBF13, LC05, LBYL08, LN18, MCT+09, ÖEE13, Pa06, PHL08, PMLVLS+13, Pro07, RL98, RMA+16, SRZD15, SAGL10, SCK+00, SB17a, SLZ+09, SGS+18, SBL18, VS88, WJ+17, YARH18, ZAB15, ZL+15, ZJWZ04, FMD99, HMS15.

Scalar [SW99].

[AKW09a, CHK98, EGVT18, TK1A14, BBSV92, BAPS14, BBj+06, BDL06, BCG05, BCD+18, BCh+08, CTZ+15, CWW+18, CZY+18, CDF+05, CRVZ15, CA13, CA15b, CR92, CT+08b, CZXL18, CT016, CGM+18, CG1+10, CSP13, Da03, DAM08, Di03, DPL14, FAJP99, FQBCF15, FRB+14, FDP17, FPGK18, FWB13a, GLA88, GLNT13, GSV+10, GPH+94, GLVC18, GDA18, GIM16, HST+18, HKM+06, HCL16, HZ10, JGP+18, IS18, JHJ10, JLI03, JYJ+18, JOh02, JTB515, KOS95, KTV13, LKM14, LTN10, LSZ+16, LFP+17, LZZL18a, LSH+11, LPK94, LM212, MT05, MKH06, MR04a, MR+16, MLW+18b, NSP07, NS10, PPZ12, PLA18, PB17, PGCC10, PF17, PPL17, RNN10, RL98, RCMCMD12, SJL+18, TDFZ18, TJWS10, TY11, THT12, VWC05, WKK+03, WLLL16, WWH+17, WRC11, WCH+18, WDD18, WCV18, WB14, WS10, XYLZ18, XWL+15, YHJ05, YCAS03, YCX05, YGY0W16].

Scalare [ZWW+13, ZW10, ZYT15, ZXL14, ZA14, dSFP+17].

Scale-free [CW+18, LZLL18a].

Scale-out [GYW18].

Scaling [Eng14, HSV+17, KZZL06, SEMJ11, Var09, AB16, CTVB12, CJHH13, DWS12, EMJ+13, EPB18, IPCA+16, KTK17, KAEC+18, WPB18, dACNC16].

Scalings-out [SEMJ11].

Scan [Alb04].

Scanning [HYS04].

Scatter [FD12].

Scatter/Gather [FD12].

Scattering [LPB04, LSG18].

Scenario [CGCB+12, HND06, KNI+18, SGRT19].

Scenario-based [KNI+18].

Scenarios [BNJ16, DFGR14, FAMA+17, FFP+18, GMLGB+17, PZA18, RCM18, WLB11, ZAA+14].

Scene [ASY+18, SOR05].

Schedule [SK12].

Scheduling [AJY15a, ASB18, BCB+07, CFG03, CTR+17, KCS14, NNRA19, RD14, THN+06, EMHE18].

Schedulers [BB113, CCDS08, EL98].

Scalar [SW99].

Scale [AKW09a, CHK98, EGVT18, TK1A14, BBSV92, BAPS14, BBj+06, BDL06, BCG05, BCD+18, BCh+08, CTZ+15, CWW+18, CZY+18, CDF+05, CRVZ15, CA13, CA15b, CR92, CT+08b, CZXL18, CT016, CGM+18, CG1+10, CSP13, Da03, DAM08, Di03, DPL14, FAJP99, FQBCF15, FRB+14, FDP17, FPGK18, FWB13a, GLA88, GLNT13, GSV+10, GPH+94, GLVC18, GDA18, GIM16, HST+18, HKM+06, HCL16, HZ10, JGP+18, IS18, JHJ10, JLI03, JYJ+18, JOh02, JTB515, KOS95, KTV13, LKM14, LTN10, LSZ+16, LFP+17, LZZL18a, LSH+11, LPK94, LM212, MT05, MKH06, MR04a, MR+16, MLW+18b, NSP07, NS10, PPZ12, PLA18, PB17, PGCC10, PF17, PPL17, RNN10, RL98, RCMCMD12, SJL+18, TDFZ18, TJWS10, TY11, THT12, VWC05, WKK+03, WLLL16, WWH+17, WRC11, WCH+18, WDD18, WCV18, WB14, WS10, XYLZ18, XWL+15, YHJ05, YCAS03, YCX05, YGY0W16].

Scale [ZWW+13, ZW10, ZYT15, ZXL14, ZA14, dSFP+17].

Scale-free [CW+18, LZLL18a].

Scale-out [GYW18].

Scaling [Eng14, HSV+17, KZZL06, SEMJ11, Var09, AB16, CTVB12, CJHH13, DWS12, EMJ+13, EPB18, IPCA+16, KTK17, KAEC+18, WPB18, dACNC16].

Scalings-out [SEMJ11].

Scan [Alb04].

Scanning [HYS04].
Scheduling

[HC14, WH16, WWT +16, WPJ16, XA10, XY15, XDH +17, XYH +90, YPLZ17, YKK13, YIA17, YZI12, ZCL +14, ZYB +18, ZGL +18, ZXL +18, ZQB +18, ZZZ17, ZH18]. schema

[AC10, ABM05, Bis96, BDP11b, CBN16, CF09, DGST09, HT02, LSAM13, NSF87, NTN86, Ros94, TS99, ZBB09, AHP +18, ABM +07, ALFR16, BHD09, BLB03, Bun03, CAC +10, CRSdS10, CH04, Co086, CGJ +10, DJV +15, DX14, FGG03, GRPL04, GDP +18, GRCP +17, Hul89, JHL +06, Jol89, Jol02, Kol89, Lit03, MM03b, MIA18, MIA17, MIA16, MG17, AW03, AKB +01, Ans11, ABN17, BBBD01, Be10a, Ben99, BP10, CSM06, CTR +17, CZ14, CPA14, CdsS15, dCCDF015, Dal03, DRS +97, Din99, DT08, EHT10, FTP14, Fin99, GAB +14, GHW94, GP09, GB99, HMM18, HZP +14, HS8 +18, HLCL16, JNPY06, JCD +13, KPM +18, KB09b, LKN +13, LGY +16, LLCF11, LZYC13, MJD15, MdO017, MCT +09, MDO +15, MED16, MFL18, NFI3, PNH99, PSG +06, PPLL17, PAC +17, RL98, RKB18, RB18, SV16, SSC09, SJV12, SCBK +16, TKK +14, TdPF +17, VCKB12, WLF +09, WSS +09, WWT +16, YM13, YXLC10, ZSX +15, ZLR +15, vdV89]. scientists

[SSD +13, PFS +13]. scope [Par87, PP10].

Scoring

[FJ18, RS16, KKA18]. SCORM [SYT09]. SCORM-compliant [SYT09].

Scrambling

[KZ11]. script [MBB10].

Script-based [MBB10]. scripted

[dlFVPSHL14]. scripting [Bea03].

SDEMS [Mat89].

SDI [Poh87].

SDLC [AA17].

SDM [WL17b].

SDMS [LL17b].

SDM-aware [KBB +16].

SE [BT93].

SE-TC2 [BT93].

SEAI [vdR86b].
Seamless [SLS10, TDG’06, CPDJ13, DFG’00, LLF’18a]. Search
[ANA16, MCT’15, XRP’T18, ABMEM’18, Bal91a, BNFZ’08, BS09, CRWJ’18a, CC98, CZL’18b, DLH’17, Dzw’97, ESW’17, EA17, FH13, FLR’16, JC08, KMT14, LAM07, MVS00, NS17a, NSI84, PPZ12, PMBS14, RCMT18, RHMG’14, RNJK09, STA17a, SCBK16, TWW’18, WXLY16, WCL’17a, WW13, XLZ’14, YD18, YXD18, ZZ90, ZL13, vW19].

Search-based [MCT’15, XRP’T18, RCMT18].

Search-optimizing [vW19].

Searchable
[DLZ16, DLLZ17, HQZH14, LLL’18, WXLY16].

Searching
[CFG93, Sch03, LFH’15, RTS’16, SZC05, WHMO13].

Second
[Ste85, Bou95, WYN’90].

secrecy
[BDNN02].

Secret
[EHMS00, LEW19, SAR18b, ZZ15].

Section
[CMA11, ChK11, CC11, CFO9, GR09, GMS09, HKT10, JS12, KT08, LXLS09, LS10, NFK10, SG10, SWB’15, XZ11, Aba06b, ABM’07, AR07, AC10, AR10, ABMS05, AM10, BGL08, BN06, BLAV06, BB12, Bsc05b, BR10, BRHH18, CRS’dS10, CGD10, DLP06, DKD08, DDM’08, DPT08, FA11a, FM0a, FM08, GA06, GMA07, GVd’11a, H带动18, HMK’06, HJC10, Igl07, JO11, JL0, Kim07b, hKcF09, Lec12, MOK06, OM10, Ou07, PH07, PW07, RW13, 16, S14, SDBdL06, SbdL09, SFW09, SD07, TBB10, TbdL16, VDK09, XLZ18, ZBB09, ZSH12, Zhu07, Zhu0, ZAP05].

sector
[Nag86a, GG10].

Secure
[AEK’18, ABCD00, BK16, CDDR17, Ciu10a, HQH16, HSY17, HSY18, KKL09b, LLQS14, LHL15, LZL18b, LLZ’18b, LHB’16, MLW’18a, Mer13, MAA’19, RHI’16, RTS’16, SAR18b, SSF’09, SYW17, SPPK18, WXLY16, XSM15, ZMH’18, ABMM’18, APK’18, BFDP’05, CPD’15, CFG’19, CZZ’18, CDL18, DJZ’15, Dm03, FLPP’05, FS18, GPA00, GAI’18, GZL’18, HAAWH’18, HLvL’97, HPP’18, HMA’18a, HLL’11, JFDF09, JSC’15, JCL’15, KZA11, KKKM’13, KPA17, KLW’17, LO4b, LTJK12, LJS’17, LJLW13, LCHW14, LWK’18, LAL’15, LZYC13, LL16, LWF’17, LZY’16, MLC’18a, MK17, MHY’18, NRV’17, ODK’17, POJ’16, QGT’18, Rao17, RSK16, RPA’18, RACA18, RHPV17, SRZ’15, SGGCR’16, SB17b, Sin07, SBL18, TX14, TNC’14, TAS’18, VC’18, VWW’16, WMX’17, WWDF18, WZCH17, YY11, YNY’14, ZZ15, ZDR07, ZSW’18b, CKK’04].

Secured
[LC17, KBB’09, MVL’18a].

securely
[ZZC18].

SecureSense [RHPV17].

Securing
[KP12, PPSS06, POl99, SKS’18].

Security
[AWYJ16, ACL’18, AM10, CCRV13, CHS11, DZZ’15, FJKK17, KKW’14, LKCS18, LYY18, LS07a, MVL’18a, PM00, RR18, RLM18, RM16, SAGGB17, SM03, SWY’18, SSZ13, SGS’18, SBL18, TZL’18, TVV13, TMS’17, WXLY15, WZ18, WS10, YH18, YN18, YS16, YNY’14, YZN’15, YKÖ17, ZCYZ18, ZG18, Zin18, ZL12].

security-aware [HCJ14, WS10].

security-enhanced
[AMN18, KKKM17, KKKM18].

Security-oriented [WZWW18].

segmentation
Selected self-deployment [Lea13]. Self-adjusting [LHM14, WXZ16, MZXK18, MYK16, MVCC10, PNZ14, RCM17, RGC+10, SRKS18, SMZ+16, SLG+18, TDLG17, TMM15, TAK+12, WCHL10, WHS+17, WLA18a, WLQ10, XYLZ18, XLW+17, XWL+18].

Self-evolving [DKH16, LSZ+16, SBCF16, DM+M99].

Self-healing [BGG08, DMW04, Igl07, TCG14, CC11, CCR15].

Self-regulating [PYH17], self-repair [GDR+14]. Self-scalable [KK16].

Self-scheduling [DRNMC09, XHY+90].


Self-Understanding [LG16a]. selfish [JLQ+17, PBV+13].

Semantic [ARP14, BPC+14, HB08, HC17, HQ10, KARP14, MRS+18a, PBC+11, RVST17, Sun10, WZL18, ZLO4a, AD18, ABTF16, AGA16, AGA18, ACC+16, BDH14, BX04, CPSRG14, DLZ+14, DT16, DPS16, DMM+11, FLR+16, FC09, GACM17, HK88, Hal88, HSB+18, JC08, LXL+17, LvW14, MPCAF15, PTT12, QGT+18, SBCF16, SHBP10, SCN+14, SSZ+17, TOT17, UZ11, VGBLS+06, VPT+10, WLLF16, XCGD10, XLZ+14, XWL+15, YCZ+18, ZS10, BDF+16, CAS+16, LWHC07, LvSW+04, LKA+19, WCO6b, WQF+10, Zhn+10].

Semantic-aware [BC+14].

Semantic-based [ARP14, KARP14, PBC+11].

Semantic-supported [HB08].

semantically [AAF18, BCMA07, Li10, PSS+14, RGVGGSSZ14].

semantically-enhanced [RGGVGGSSZ14].

Semantics [JD94, SPdSR+17, XB14, Zhn+04, ZS16, Ber00, BL29, CBP00, DFL017, Hj88, HJP92, LLG+16, RTHB17, SOA17].

Semi [ABDO18, AAF18, AC01, BDH06, DSH14, HLL12, JC09, NB04, WHCZ18, WY+17].

semi-automated [AAF18].

semi-automatic [AC01].

semi-autonomous [DBS14]. semi-discrete [NB04]. semi-Markov [BDH06].

Semi-online [ABDO18], semi-structured [JC09]. semi-supervised [HLL12, WY+17].

semi-tensor [WHCZ18].

semiconductor [FHH95b, SGFS01].

semi-structured [GZS14].

SelfPI [DSP16].

SemreX [JC08].
sensed [Mat18, XAW+10].

**Sensing** [AT18b, SST18, AMW99, AMPZ16, CCD+19, DCC+14, FCD+14, GHEB+18, GZW18, LWH+18, LGY+16, LZY+16, MWW+15, MAD+16, WWCN13, WMY+18, XLZ+18, YMW+18, KS11].

**sensitive** [CW13a, DK17, JOSD19, LCL14, QZD+18, QCX+18, WYL+18].

**sensitivities** [MHZK18].

**Sensitivity** [PBHK01, LCH+18, PBT02, SWW+13].

**Sensor** [AS18b, FPPD14, RRS10, SMS16, TKA18b, YWJ+18, ASO14, APK+18, AIB+18, BLAN+16, CZY+18, CJ14, DJPM18, FG18, FJJ+18, FP14, GRTV10, GBKJ18, GLXF17, GZL+18, HKA+18, HAAWH+18, HST+18, HDH+18, HZZ+18, IASK14, KWK+18, KSI1, KLW+16, LC17, LBYL08, LLQ514, LCZR12, LZXG12, LXW13, Lok12, LHCB16, LZY+16, PC17, PPS+18, SJ14, SCY+18, SMS14b, SYCH18, THA+17, TSD12, TYW18, WCB+18, WLS+18, XKJ+18, ZWS+12, ZBL+14, ZLH18, RVST17].

**sensor-cloudlets** [Lok12].

**sensored** [TCB+17].

**sensors** [BDE17, BSE+13, HUMA18, LRBW17, Mat18].

**sentence** [NIt86].

**Sentiment** [ZWWL18, GGMS18, ZZLZ18].

**sentiment-based** [GGMS18].

**separation** [FdSC07].

**September** [Ano84k].

**seq2seq** [WLZ+19].

**Sequence** [LJ17a, BORM07, CS05, DMR93, DCS+07, KKvdB+17, NGB18, VR12, YD05].

**sequence-based** [NGB18].

**sequences** [Leo01, MP02, TKT+08].

**Sequential** [CKFJ06, CGL15, DPL14, FZT+18, JBA94, KMC18, LYMZ09, LBU+10, MWYC12, TNY17, WHCZ18].

**SEQUIN** [BPCS03].

**SERAC3** [LLZ+18a].

**serial** [RS94, SGFS01].

**Series** [Ano86i, Che14, GKI05, HHS+18, LFVW05, MZH+17, MFT+17].

**ServBGP** [IGB+14].

**Server** [FNCR11, LYL15, BGR+99, CWD04, CGL08, CWSW14, Cho04, EDD+10, FHZW18, GW01, HAC92, HJCD05, KLW+17, Lee04, Len16, LXD17, LLW18, LH13b, LHL03, LWW+18, MP17, MD12, PA01b, RT15, XDH12, ZFC17, ZFC18, BSR18].

**Server-aided** [LYL15].

**Serverless** [PMCC18, SWCP03].

**servers** [BR18, CLH10, DZZ+15, JOPW14, JZWL17, KAEC+18, LPE08, SMA08, WWC+97, ZWW+13].

**Service** [ANE13, AJY15b, BZS18, Cha14a, CBS17, FNM+17, JY15, KT17, LJ17b, LYW+16, MJRM16, OF07, OVK+09, PRS12, SCL18, SST18, SMG18, SS17, SZK18, TSBH11, VDKT12, YG18, AdI14, AAB+10, AAAQJ+18, AFSH+18, AWN+13, AK14, AB18b, ADF+05, Ano12r, An08, BBC+17, BS17, BJA+05, BML18, BSCC06, BCDP12, BPC+01, BGK+05, CMZ+12, CPD13, CCT13, CMB17, CCIP18, CPE+17, CKFJ06, Cha14b, CSL17, CGST09, DCS+07, DLW07, DVD12, Din03, DDR+07, DM12, EK11, EAE18, EG18, FLR+16, FD12, FTP14, FWB13a, FWB13b, FA11b, GMM18, GHY+18, GVURIVBV14, GJGB19, GA13, GAJP18, GPK05, GMEL08, GGA+17, HIA18a, HA16, HA18, HC17, HJS+99, HSH+07, Hua05, HLT+18, IGB+14, JGFB18, JSS+12, KZA+18, KSF+13, KTKN11, KK10a, KKB14, KPA17, KuRAK+18, KSW+13, KK16, KIC12, KK14, KKC18, LPMY18].

**service** [LL03, LxSW+04, Li15, LLW+18a, LD17, LKA+08, LJW08, LWS+12, LLW+12b, LX13, LDS+18, LSL+18, LSMVLM13, LSO8, LLW+18b, LMH+09, MLL15, MCL+16, MZH+17, ML11, MLM16, MHZK18, MAD+16, MAH08, MRS+18a, MV09, NK15, ÖE13, Pal06, Pal13, PC18a, PK04, PRS+13, PRSR14, PBA18, PT+18, PTT12, QZD+18, RZ16, dRRR+18, RMVG+10, RB18, RHMG14, SVC+07, SGY+07, SBLW14, SS017, SKS17, SRK18, SDC11, SMBM+18, SPBT07, SMZ+16, SLL+18, SAC11, THN+06, TDLC17,
TJWS10, TZL+18, TBNF09, TAKV12, UGBM+17, VCE+19, VDK12, VOS12, WWC+97, WLZ+16, WHS+17, WSH99, WZ13, XSM15, XCGD10, XLW+17, XRPT18, YKL+07, YW12, YVBC10, YKK13, YCZJ18, YLA18, ZZ09, ZGS+13, ZZZLH18, Zin18, vdpGZ+16, CLM+16, EMJ+13, GME08, GvdBdL15, KLM+03, KTM+08, LPD+13, RA12, SCH+17, YPF05. Service-aware [SMG18]. Service-based [OVK04, SRZD15, SPMC10, SPMC12, SBK+16, SCN+14, SLJ+06, SZGbC04, SCG+18, TS08, TGM11, VAR14, VGBLGS+06]. services [VMSRM12, VSP+14, VPT+10, WRCC17, WG13, WCC+09, WHY+17, WHYZ18, XB14, YMLT13, YAO14, YCX05, YKÖ17, ZCW11, ZCLW18, ZJWZ04, ZaTZ+17, dACNC16, AKMK05, ABS11, RVST17]. 

Serving [CZM+18]. Session [Ano86h, LZYC13, KMC18, OVK+09]. Set [Zna94, CSdCM+17, CGH04, DL04, HXWW18, NK18, RNJK09, Xia06, YLG+16]. set-splitting [CGH04]. set-union [HXWW18]. set-up [RNJK09, Xia06]. Sets [BRH18, ABMMC18, BCW01, CPE+17, DB99, ECFP17b, EA17, HAB+06, LGH97, Sin07, WTG+14, XYZ05, YAO14, ZLD+03, vdR87f]. setting [WM07]. setup [MD12]. severity [ATX13]. SFaaS [KCL18]. SFC [LN18]. SFC-based [LN18]. SGrid [LvSw+04]. Sgurev [vdR87c]. SHA [LC17]. SHA-3 [LC17]. shadows [DS04a, Sch98]. shape [BBL+05, LKG08]. share [NP06]. Shared [KXG05, PKM05, BKA+14, BBSV92, Ber98, BBC09, CDS09, Ciu10b, DFC07, HLYW17, HMA18, LLA18, LTLN10, LWSC07, LBU+10, MO04, PAD03, PY00, PH94, RCP+11, RCD03, SF06, TC06, TYH04, WJ99, Wu16, YIA17]. 

shuffle [WWQ+18]. shuffled [LCW+18].

shuttles [BRS04]. Side
[YN18, HSS00, SM10]. Side-channel
[YN18]. side-effects [HSS00]. Sidera
[EDD+10]. sieves [SCF+16]. Sigma
[vdR87j, ANN+92]. SIGMCC [CTT+08a].

sign [HYC+18, LLWZ18]. sign-on
[LLWZ18]. signal
[AKM18, CLZ18, GCCL18, Kim18, WPS+18,
XKB1a, YSZW18]. signaling [SJTG07].
signals [AI18, AI18b, Fuk85].

Signature
[XZZ+18, Ale97, CYH04, HW04, QCX18,
SCZ+14, TX14, TYH04, YN18, ZaTZ+17].
signatures [AMM16, Che13b, WWW18].
Signcryption [BRS04].

shuttles [WWQ+18]. shuffled [LCW+18].
MG14, MG16, MEBA12, NJH+18, SBK+16, SSL12, TMS+17, ZAC+18. SLA-based
[AB16, CMZ+12, KBB14].
SLA-constrained [HY09]. SLA-driven
[GE14]. Slack [HLL+17]. SLAs
[GJF+12, HHS+18]. slave [HCL+07]. sleep
[AKM18, BJM+17, KCH+13]. Sliding
[YL16, AQL15]. small
[LAM07, PM14, TDC+14, Van92].
small-world [LAM07, PM14]. Smart
[APRC16, AT18b, BA17, BBCN18, CAB+18, CDH+19, DP17, HYC+18, HSS17, KPA17, LLZ+18a, Mar90, MPI+18, PMDS18, PC18b, RMSPP17, RPA+18, SAGGB17, SDDG17, Sta17b, TF17, VPA+18, WLA17b, WLA18b, ZYW+18, AMN18, ABMM18, ABC+18, AR18, AFSH+18, AHdJF97, Ale97, AC18, BBC+17, Bae14, BLO+18, BGV97, CHS11, CLH+18, CBPP18, CLC06, C18z+18, DFRW17, DQ97, DDMPG17, DF97, EAE18, FG18, FT17, FSM+18b, GAI+18, H17, HCDZW17, HMA+18a, HMA18b, JBC16, KAS+18, KS18d, LNK+18, LKFB18, LSV+18, LLW+18b, MCN+18, MLC+18a, MK17, MVL+18a, Mat18, NAGD18, NWMG17, NWL17, OCW14, PC17, PPS+18, RGN+18, RGSL18, SP18b, TOD17, TRL+18, TWP18, TCB+17, UGM+18, WDJC18, XLYL18, XLI+18a, YJS18, AR18, AL14, CGSV17, FAMA+17, GXL+12, GMLGB+17, HSS17, lKRM17, KADJ14, LSL+15, TAS+18, UPP17]. Smart-citie
[AT18b]. Smart-Cities [Sta17b].
Smart-grid [AT18b]. smarter
[APBD17, FRM+18]. smartphone
[HUMA18, VOCHC17, OMD+18].
smartphones [WWW17, YYD+14].
SmartSantander [DDMPG17]. SmiLE
[STTK03]. Smith [vDR87e]. smooth
[ZY94]. Smoothing [DV13]. SMP
[BSG+05, BTM10, CRE01, MT12]. SMS
[CYK15]. SMT [PAB+14]. SMT-based
[PAB+14]. SN [RMDB18]. SN1000
[CGSZ95]. snake [RSA18]. SNiPe
[FMD99]. snoop [Yam92]. snoop-cached
[Yam92]. snoop-ng [DS98]. Snort [SI18].
SOA [BDP11b]. SOAs [KB09b]. SoC
EGVT18, JBM+18, KZA+18, LSAM13.
NJ18, PYM18, SP18a, WZW18, ZCZY18.
ZG18, AKP+18, AQRH+18, AAQR+18.
ABG18, ACM+18, CWJ16, CGM+18.
CHY+18, DFLO17, DGS09, DYC+18, GJ18.
GBY16, GTSAR+14, GWC+16. GGC18.
GSR+18, GSMS18, HCC+14, HAM18.
HYF18, JQ17+17, JWW14, KAS+18.
LR+18, LCW+18, LZP+18, LLG+16.
LWL+18, LLAW17, MML+18, MYHZ18.
MNC+18, MVG18, MLW+18, MSM+18b.
MCN+15, NBB18, NJ17, NLM+16, PBL+18.
PSS18, PBA18, QGX18, SOD18, SB18.
SKS+18, WVV17, WRCC17, WJLW18.
WD18, WSN18, WMA18, WLA18b,
XS+18, YMLT13, YZL+18, YXZG18b.
YCXW18, YWY+17, YL18, YLA18, ZL17a.
ZHZ+18, ZNC+18, ZCR1, ZLZ18, ZSS+18.
GCCPGBGS10, HZW+18, LKCS18, RC18].
social-aware [JLQ+17]. society
[APRC16, Ano87c, LLS+14, Mar98b.
Mar98a, Mar99b, PK14, Zhu14, Zhu14].
Socio [KKS18b]. socio-inspired [KKS18b].
SocioScope [NJ18]. Soft
[EA17, Hab05, BBBBB, DSO4a, GKW+12].
Soft-computing [Hab05]. Software
[AO06, BHH91, Cas94, DO15, GRCP+17.
JAAD+16, KB18, KKVD+17, Kow84.
Kow85, Mat91, Mat98, NAGD18, Sch94.
SK97, SMG18, TDSH16, TD95, TSTD16.
WRK+15, AAB+92, AMB03, Ano87b.
Be03, BBL+15, BHH92, BKL01, CMZ+12.
CY12, CJK+18, CCCP19, CGS95, Cur92.
De 98, GZL16, GVBG17, GJS+94.
GHK+18, GCK98, GXL+18, HA16, HA18.
HZC+98, HLVL+97, Hum92, IMSV90, Jon00.
KHM+18, Kol18, KK16, Lee12, LBM18.
LWSC07, LDS06, LSS+14, LRC+18, MB01.
PPL+18, PSLZ18, Poh87, RA12, STTK03.
SMS14a, SLZ95, Tak05, TBK06, VSD13.
WHS$^+$17, WZWC18, YLJ$^+$17, ZLZ$^+$17, ZBCT17, ZZZS18, ZMN99, BRH18, EMJ$^+$13, RGS18, RA12. Software-as-a-Service [EMJ$^+$13, RA12]. Software-Defined [SMG18, CJK$^+$18, GKY18, GXL$^+$18, ZBCT17]. Software-Intensive [DO15]. soil [LNJ04, ST98]. soams [SDST18]. solar [SZC05, TTC$^+$14, GCCPGBGS10]. solid [GNOY01, WZK$^+$03, MGV$^+$18]. solution [BS17, CGH04, DMM$^+$18, GHY$^+$18, HCL$^+$17, HXY13, KA09, KNI$^+$18, LZX16, MGV$^+$18, Pip18a, RPMG10, SJR13, SS03, TDSH16, YLN15]. solutions [AR17, AGL$^+$18, BCP18, CSdCM$^+$17, CCRL18, EGVT18, KS18b, PYM18, PDH18, QCD16, ZEO98, ZEO01, ZEO98, dCTVC18]. solve [Del06, ED04, SSG17, ZZC18]. solver [BG05, ID98, MMVV08, PH94, SGFS01, vM94, Jon00]. solvers [BJNH05, BRMN04, BGC$^+$03, BEWZ10, NHT06, SKT$^+$08, SGFS01, SG04, XJY$^+$18, YJY$^+$18, ZWL$^+$16, dSL98]. space-filling [SW05]. space-shared [DFC$^+$08]. space-sharing [DZ04]. spacecraft [AFPG91, AFP$^+$92, CSG$^+$18]. Spaces [AP17, BM05, ZN18, LLS$^+$14, SNC18]. Spam [EA16, CYZK15]. CWZ$^+$17, SB18. SPAMINE [APVY17]. spammer [MK19]. Spanish [SGGCR$^+$16]. spanning [YSZ18, HDO16, YZW18]. Spatial [GRL11, ATS14, Ban05, CGN18, CAL$^+$18, NHT06, SKT$^+$08, SGFS01, SG04, XJY$^+$18, YJY$^+$18, ZWL$^+$16, dSL98]. Sparse [HSW18, HDO16, YZW18]. Sparsity [YZS18, HDO16, YZW18]. Spec [MHZK18]. Special [ABA06b, ADALZ14, ABM$^+$07, AR07, AC10, AR10, ABMS05, AM10, BGL08, BN06, BDF$^+$16, BLAV06, BB12, Bic05b, BR10, BRHH18, CMA11, CRSdS10, ChK11, CSY18, CF09, CG10, CTSR14, DL06, DFRW17, DK08, DMM$^+$08, DPD014, DT08, DDB4, DO15, FA11a, FM10a, FM08, GR09, GA06, GMA07, GMS09, GMP$^+$18, Ha05, HYZ16, HKPT10, HLM$^+$06, HJC10, Igl07, JO11, JS12, JY15, KT08, KZ14, Kina07b, hKcF09, LXL09, Lec12, LS10, LNB14, Mes02, MOK06, NF10, OM10, Ole07, PH07, PX07, RW13, SG11, S14, SD07, SBD09, SBdL09, SPEW09, SD07, TCG14, TBK$^+$10, TKRA14, TBdL16, VLL09, WS$^+$15, XZ11, XLZ18, YGS16, YJ14, ZBB09, ZSH12, Zhu07, Zhu09, ZAP05, ALD09, ARB12, CRW$^+$16, GVTdL18, KJ12, PC18]. Specific [JC15, BFK02, DR05, KA$^+$18, KAZ18].
SunwayMR [WHYZ17]. SUNY [Lit03].
Super [GHO+11, JP18, Kas85, MTV05, MCT+09].
super-peer [MTV05, MCT+09].
Super-resolution [JP18]. super-speed [Kas85].
Supercomputer [KMN+05, KGLA85, LM90b, SS90].
Supercomputers [Fer84, DFSZ88, DHD89, LM90b, Per86].
Supercomputing [Ros89, AS99, Han03, LPC+95, Mun04, WTC95].
SuperFine [NS17b].SuperJANET [Coo94].
Surgical [EKB00, WWSM98]. Surveillance [MPI+18, AMBB18, HST+18, HZZ+18, RHH+16, TWZP18]. Survey
[GBB18, JAAD+16, AMI16, ABP18, ASD12, Ano84a, Ano87m, BMK+14a, BdDPP16, BRNR15, BBI13, FSV+19, FS93, FLR13, GXL+12, HQH16, HAPI11, HMZ18, HDB18, Ig04a, IAM+18, KKKM13, KAW12, MDO+15, MvWvL99, RLM18, TVB18, WGM15, ZZF18, ZAI+18]. surveying
[YWZ+18]. surveys [DGD+16].
Suspending [ALM+10]. sustainability [AK18b, KPB18, LIC18].
Sustainable [KHH+18, HYC+18]. sustaining [BFN18].
SVD [CHY+18, PP06]. SVM [RW18].
SVM-based [RW18]. SVMs [FZHH14].
SVR [JP18]. SVSC [HYC+18]. SWAN
[PTM+18]. swap [CSJ+17]. SwapBench [ZLL+17b]. swapping [ZLL+17b]. Swarm [XRP+18, GHEB+18, JNR12, LAH10, LSV+18, MCA02, SLJ+18, WCL+17b, ZSM18]. Swedish [HY03]. sweep [SIL+13, SVN10b]. sweeps [SBA+05]. SWI
[CAS+16]. swift [WCF+15, PLCGS11, GCM+11]. SWIG
[Bea03]. switch [STC15]. Switched
[CGD10, CKL06, CGJ+10, KK10b].
switches [LKTC14]. switching
[CJHH13, CFVP03, HAP15, MGYC06, MSM+18a, SKF+09]. switching-frequency
[CJHH13]. Sybil
[AQRH+18, AQAR+18, JNHL18].
Sybil-precaution [AQRH+18]. Symbiosis
[CSP98]. Symbiotic [ANA16, EA17].
Symbolic
[Fah98, GI07, CsZZG+13, FB93, Ref87].
Symbolic/numeric [GI07]. Symmetric
[LL18, AKH+04, DLZ16, FH13, GMdFPLC17, TC06]. symmetrical
[RS17b, USK16]. SYMPATIX [CEJK94]. symplectic [IS03, MR03a, MR04b].
Symposium [Bi96]. symptom [YZL+18].
symptom-matching [YZL+18].
synchronisation [PDDS10].
synchronization
synchronized [LKK'16]. Synchronous [Dui89, GL05, dRDrGQ+18, AT01, GGLD10, MD92h, OPT+17]. syndrome [KA88]. synergetic [XF16]. synergistic [AMB03, KSS11]. synoptic [DGD+16]. SyNRAC [YA07]. syntactic [GMM18]. syntactical [KL02]. synthesis [GA96, RS17b, SK18, Yos89]. synthesists [GPA96, RS17b, SK18, Yos89]. synergetic [KA88]. synoptic [BZS18, CCM12, BBFW03, BL98, BT93, BPC+11, RT16, RMA+18]. AS18b, AFPG91, AFP+92, ABH18, BDE17, BG12, BBFW03, BL98, BT93, BPC+14. BG05, BLRS98, BPAP92, BDNP92, CM01, CST91, CTT+08a, CGT07, CCT13, CM17, CWSW14, CLL+14, CYZK15, CLH+18, CHZ+18, CW13b, CSL18, CAS+18, CGST09, CSC+92, DLW07, DSG09, DVJ+15, DBA98, Din03, DIX+06, ESF06, ED04, FPX+09, FK11, FMV14, FAMA+17, FPFR18, FNA11, FW02, GLM+12, GCCC+07, GVGB17, GS05, GHW294, GML+13, GPA96, GCCL18, GGDM+18, Gos00, GJKP18, GG10, GE90, HWS07, Hau89, HUMA18, HPP94, HKM+06, HDA+19, HIA+18b, HZM14, IMKB89, JBC16].

System [JAAD+16, JSC+15, JOSD19, KKB18, Koa03, KFF89, KID17, KKL09a, KRLR01, KSI17a, Kom89a, KKL11, KVHT10, KL+18, LCH+11, Lau92, LL04b, LRL+14, LBJ+18, LXD17, LL03, LC05, LZWX13, LLC+16, LLN+18, LSZ+18, LWSC07, LJJY12, LDS95, LLW+12b, LDY+18, LLL+18, LF95b, LWY+16, Mae89, MVL+18a, MKK13, MD92b, Mat18, MTD18, MPF+16, MS01, MAY18, MOFGP18, MLGV04, Mur86, MQN19, NWE04, Nis93, OFO+99, Ohy89, ONHT89, ÖSt92, PHL98, PsASM18, PK09, PH99, PGC+06, PBA18, Pit96, PKSC02, RBGA18, RHH+16, RRP+14, RB12, RGLS18, Reh06, RWV+13, RSR01, RG04, SKT+08, SPK+07, SZP00, SS17, SL18, SPSP17, SCL14, SZD+17, SWV+18, SM18, SB16, SLW01, SYCH18, Suz89, Tak89a, Tak89b, Tak05, TTK+14, TSK03, TNY17, TMM+13, TCC11, TDL05, Uch86, Ueh89, UPP17, US16, Udv+18, VSP+14, VPT+10, WCF+15, WMX+17, WLP18].

System [XCS+18, XKBA18, XKJ+18, XWL+15, XJJ+18, Yum89, Yam92, YMW+18, YC10, YWL+17, YZL+18, YJS18, YWZ+18, YCAS03, YS16, YZ12, YZW14, YWA+89, ZWL13, ZFW14, ZSX+15, ZGL+18, ZW18, ZZXL18, ZCQ+16, ZW10, Zhu18, ZAI+18, Zin18, ZXL14, dLLA93, APRC16, Ama86, BBB+11, BBSV92, Bre89, GCCPGBGS10, Gut00, SH00, Suz89, WXY15, ZPF17, dRSBH94, vdr93b].

System [SVN+10a]. System/6000 [BBSV92].

Systematic [Kac00, KT17, Hol93, MCWP16, SAC11, WLH18]. systemic [ABF+15b].

Systems [AWYJ16, ADALZ14, CCLR18, DVV90, DPDS14, DO15, DSS97, EGV18, MOK06, NHG03, PW09, PIP18b, SdR99, SAPA17, St93, SITJ07, TCG14, Van87a, VLAC+13, YGS16, YZ12, ZZL18, ZWL18, ZCQ+16, ZW10, Zhu18, ZAI+18, Zin18, ZXL14, dLLA93, APRC16, Ama86, BBB+11, BBSV92, Bre89, GCCPGBGS10, Gut00, SH00, Suz89, WXY15, ZPF17, dRSBH94, vdr93b].

System [AXY16, ADALZ14, CCLR18, DVV90, DPDS14, DO15, DSS97, EGV18, MOK06, NHG03, PW09, PIP18b, SdR99, SAPA17, St93, SITJ07, TCG14, Van87a, VLAC+13, YGS16, YZ12, ZZL18, ZWL18, ZCQ+16, ZW10, Zhu18, ZAI+18, Zin18, ZXL14, dLLA93, APRC16, Ama86, BBB+11, BBSV92, Bre89, GCCPGBGS10, Gut00, SH00, Suz89, WXY15, ZPF17, dRSBH94, vdr93b].

System [AXY16, ADALZ14, CCLR18, DVV90, DPDS14, DO15, DSS97, EGV18, MOK06, NHG03, PW09, PIP18b, SdR99, SAPA17, St93, SITJ07, TCG14, Van87a, VLAC+13, YGS16, YZ12, ZZL18, ZWL18, ZCQ+16, ZW10, Zhu18, ZAI+18, Zin18, ZXL14, dLLA93, APRC16, Ama86, BBB+11, BBSV92, Bre89, GCCPGBGS10, Gut00, SH00, Suz89, WXY15, ZPF17, dRSBH94, vdr93b].
CSdCM+17, CDL+16, CFGC03, CTR+17, Cas94, CCLS09, CLM+14a, CCJ16, CXL+17, CSJ+17, CY88, CLP+14, Cho04, C816, CCCP19, Coo86, CR14, Dal03, DZ04, DKV14, DLP06, DAM08, DFRW17, DFT92, DV13, DLDTGMP16, DRNM09, DYL+16, DW87, DD86, DCMW17. **systems**

[EAD18, EG18, EO86, EMHE18, ECPF17b, Fer96, FDRP17, FM10a, FMR05, GS05, GHZ94, GDJ+13, GJ15, GL85a, GEARI3, GA06, GLW99, GM11, GDR99, GJS05, GKS05].

[HCL07, HH98, HAF+16, HKO18, Hen87, HRV18, HCB16, HW95, Hir89, HPP94, HZP+14, Hol93, HPP+18, HHXL13, How91, HCL07, HKS18, HXL90, HDDL13, HLL+17, HM89, HLT+18, HLNM11, HJK+04, Igl07, IPG+18, JSK+06, JLCC12, JL08, JZWL17, JLY+18, Joh92, JC09, JM01, KHWZ18, KK00, Kag89, KANS18, KBVH14, Kha12, KB18, KLH+04, Kim07a, hKcF09, Kim14, KCS14, KARP14, KHS9, KB16, KFBKD14, KK97, LBD18, LR06, LXLS09, LKN+13, LRYJ17, LLF+18b, LWK+18, LC01, LCL14, LFH+15, LLGY18, LSAM13, Lok12, Lop03, LKJ17, LC03, LZ+18, LM12, LZY+16, LS94, LHCC18, MWQ+14, MBM18, Mar86, MB01, MGV+18, MM10, MKH06, Mat89, MRV92, MPQ03].

**systems** [Meu05, MFL18, MZ89a, MRR02, Mu19, MGA+19, NF10, NK15, NSSA+14, NQQL13, Nip86, OFD17, OKF10, OPO13, OA17, OCC14, Pa01, P9L+18, PaASM18, PMK18, PY00, PWY03, Par04, PKF14, PARMF14, Par87, PWXM17, PX07, PNZ14, PQBP17, PB05, PB18, PBVHB05, PH94, PYH17, PSB15, Pud87, QP08, RBA17, RD14, RDLM06, RVC16b, RVC16a, RG04, SH99, Sar02, SSKF95, SG04, SB97, Ser98, SI18, SMS14a, SBLW14, SZK16, SH90, SOIS12, SFR15, Slo06, SMM+14, SS30, SMS13, Ste85, SCH+19, SVN10b, SM96, TKR+15, Th06, TSB+18, THT12, TTP+07, Tur18, VF18, VV05, VV03, Vau93, VS04, VGBLG+06, VR00, Ven09, VDK12, Vin16, VMN+18, VM93, VSV95, Wah84, WX02, WHZL10, WLZ+16, WHS+17, WZWC18, WRBG94, WBT05, WYN+90, WPJ16, WZS+18, WLS+18, WZML18, WB90, XLL18].

**systems**

[YLJ+17, YP12, YL18, YMD+13, ZS05a, ZAB15, Zem86, ZCT+04, ZMTT16, ZA13, ZME+15, ZBY+18, ZBB09, ZLG14, ZW04, ZYT15, ZLL+17b, dSFP17, dB90, vdR86a, vdR87c, vdR87d, vdR87f, vdR87g, vdR93a, Gra92, HYZ16, HLV+16, KI89, LWW+16, Slo06a, Slo06b, TKRA14].

**Systolic** [CCKW88]. **Szpawicz** [Teb86, vdR87].

**T** [Che18, QMSG12]. **T-Alloc** [QMSG12]. **T-S** [Che18]. **T1000** [LYW+18b]. **T3** [EMHE18]. **T3-Scheduler** [EMHE18]. **T3D** [MPG96].

**T3E** [SCK+00]. **Table** [JL14, FCW01, GX18, LTC12, LPY+18, MWYC12]. **tables** [CHS+18]. **tablet** [CPP+18]. **tablet-based** [CPP+18]. **tabling** [DS00].

**tacit** [MED16]. **tactics** [BS96]. **TAF** [GKS05]. **Tag** [SJL+17, DCS+07].

**tagging** [WMA18]. **tags** [LEW19]. **tailor** [GVD+03]. **tailorable** [BvdV99].

**tailored** [RLRC13]. **Tailoring** [GNVST14]. **tangent** [GKS05].

**Target** [KI89, HSV+17, LWX13, WFQ+10, ZBL+14]. **targeting** [PNH99, SBCF16].

**Task** [AEM10, BTM06, MWC+13, PCBD99, SL11, ANA16, ADB018, AMR18, BFLL99, BKS+18, CLRL17, CA13, CLC11, CDS15, CXL+17, CWJ+18b, DLW07, DKV14, EMM12, FDP17, HPLL09, IDM+16, JM01, JEB18, KOT18, LSTV07, LCMX16, LPL+16, MVR08, MGMT18, Nag16, NPP12, PLLA18, PB18, QZM+18, QZM15, QZM08, ZCK15]. **task-efficient** [BFLL99]. **task-farm** [PLLA18, ZCK+15].

**task-parallel** [SBHD08]. **Tasks** [DFC+08].
APAZ17, AEGF+01, BDS+10, CFGM16, CAI5b, CLR18, GVA+16, GGS13, LHL09, LYMZ09, LGY+16, LI18, LG16b, MLBS11, Nag16, Nos98, Reh06, SHP+16, Ser98, TLL+11, WHW16, WL05, Wu16, ZCL+14. 

**Taverna** [ABG17]. **Taxonomy** [SV15].

**Technology** [ALK15, DZH18, SYK+17, ATS14, BMK+14a, DC18b, DJ13, LWW18, TVB18, ZS05a]. **TC2** [BT93]. **TCARS** [RMA+18]. **TCKPT** [KKJ10]. **TCP** [AbiL+03, AbiLL05, KHJ10, WWD+11, WHW16, WL05, Wu16, ZCL+18].

**TCP/IP** [KHJ10]. teaching

**Technique** [BDF+98, vdR86b, vdP98].

**Techniques** [Gra15, WK+15, ZYA+18, AD18, Aba06b, ACM05, AAN+18, AMI16, ATT96, AB95, ADK+09, CGN18, CY01, CTMO06, Fah98, Gra92, Hab05, HSC15, JYY+17, KZC04, MUVG18, Mic97, NWE04, PB05, PDLS+99, SMS16, SV15, SKS17, SK12, TSBH11, VQST01, WKB+17, WMX+17, WLB11, ZAP05, TTVh06].

**Technical** [vdr86b, CdCD07, GHWZ94, UNM+16, Yam89].

**Technical teams** [FGG03, SYT09].

**Technical team** [UZ11].

**Technical team** [FGG03, SYT09].

**Technologies** [BDF+16, DPDS14, DMS97, Sim86, ZPE17, AZH18, ABP18, BG97, CPSR14, DFRW17, Duh91, FM08, FR08, GVBG17, GMB+05, HSB+18, HJC10, HSS17, KS18, KSI7b, LLMP13, Mal01, Mal02, Mal05, MGA+19, Nag86a, PKC+05, RVC16b, RVC16a, SLe14, SJTG07, TMV+07, WCKW10, HSM15].

**Technology** [BBB+99, ChK11, ZZRL18, Abc92, Aon84a, BLA06, Car86, Dek86, DvdHdL06, DDO7, GM0A7, HCGW17, How91, Kaw92, KM01, KA88, LB1+18, LKM91, NTN86, NLM+16, Poh87, Ser95, WZH+18, WAD+89, vVDBB98, vDr86b, vDPZG+16, ABMS05].

**TEE** [DJZ+15].

**tele-immersive** [RMM+98].

**telecare** [LWK+18].

**telecollaboration** [AKB18b].

**Telecom** [BT93].

**telecommunication** [WWZ18].

**telecommunications** [Car86, Mun04].

**TeleEEG** [De 98].

**telehealth** [WQG15].

**telemedical** [De 98, JSS+99, Mar98a, Mar99b, Pol99].

**telemedicine** [EV98, FvLTT98, FP03, Moo99, PK99].

**telemetry** [KMC18].

**telerehabilitation** [AKG+17].

**Telesience** [LLH+03].

**telescope** [BFK02].

**telescope-ready** [BFK02].

**tell** [GMM18, VPA+18].

**temperature** [MLGB+17, Tab06].

**temperature-dependent** [Tab06].

**template** [LTJK12, LNZ+12].

**templates** [AHM+18].

**Temporal** [CPA14, GGMS18, AVP17, CAL+18, FX07, Hyc04, KZCW13, LFL+17, MLW+18a, NWD+18, OCW14, RAKJ18, RMM+98, RBK18, SSP17, WXPL17, WMBV17, XLZ+14, XWL+18, YXZG18b, dR90].

**temporary** [LNZ+17].

**tenacity** [LSG18].

**tenancy** [BPC+14, TCBPR16].

**tenant** [EMJ+13, MDD15, PMLVLS+13, RB18, SWW+18, ZGB+17].

**tenant-based** [EMJ+13].

**Tensor** [CSV+12, DJPM18, EBOY14, WHCZ18].

**tensor-based** [EBOY14].

**Terabit** [HRJ+06].

**Teraflows** [GCH+05].

**TeraGrid** [DIK+06, VHML10].

**Terascale** [WGB+15, ZLD+03].

**TeraScope** [ZLD+03].

**TeraStream** [MWC+03].

**TeraVision** [SLD03].

**term** [DLS+12, ECPF17b, HKG+16, MLL15, PBL+18].

**terminals** [Kam85].

**terms** [KMK+14, NB04].

**terrain** [OPO13, PMC04].

**Test** [BP94, SAPA17, CszZG+13, Cho04, GDM98, GMM18, KKL09a, Mal94, RRS99, RSD94, WZCH17].

**test-bed** [RRS99].

**testbed** [KSW+13, MLC+11, MMFM+05, SAMN02, ZWD18, ABB+05].

**Testing** [GAYTC18, MFT+17, SZ12].

**tests** [CDF+05, PR95].

**text** [ASY+18, BD18, FMV14, KI05, KP18, SLZ+09, WLLF16, WQG15].

**television** [Poh87].
BDHK06, BMP+16, CCLS09, Che14, CRRCl8, CBK+17, CC00, CDI+19, DFLO17, DT93, DGD+16, Dog09, Du94, EET18, GKIz05, GVVRIVB14, GR96, GKW+12, GMdFPLC17, GGLW18, Hku+11, HNCJ13, HIA+18c, HMP04, HHS+18, JL03, KA09, KSAOK03, KCK16, KLC05, Kim18, KKP00, LF01, LFWV05, Li15, LRZ+18, Li18, LG16b, LPL+16, LWW+16, LD04, MZH+17, MPCAF15, MKT09, MGA+18, MFT+17, MOGF18, MCg+15, NF13, NJ17, OKF10, OPT+17, Pal09, PKF14, PDT+18, PGTB18, P699, PN09, RPA+18, SHF+16, SS04, SD02, SSt+06, SKF+09, SSL12, Sin92, SK12, SW02, Suz89, TZST14, TIZT+15, TF17, TSrg17, Vlk09, Vai93, WLZ+14, WQG15, WTM+17, Wsh+16, Wu16, XYZ05, XLL18b, YNSM12, ZMtt16, ZS08, ZCK+15, ZFC17. 

time [ZFC18, ZSP17, Zin18, WP16].

Time- [RMA+18]. Time-based [JCMPPC+18], time-constrained [SSL12].

time-dependent [Du94]. time-efficient [XLL18b]. time-invariant [GMdFPLC17].

time-out [KSAOK03]. time-recordable [LWW+16]. time-scale [JL03]. time-series [LFWV05, MFT+17]. time-shared [CCLS09]. time-varying [BH03, Li15].

time/cost [KCK16].

time/cost-constrained [KCK16]. Timed [BP13, Pap05, PIKM02]. timely [QC18].

times [BBI13, CLRL17, JLL17, RNJK09, SSPl7].

Timetable [WSZC18]. Time-aware [WSZC18]. timing [CCCP19]. TIN [TG04].


TODS [ZJKW04]. Toile [BBG+05]. token [Ciu10a, Ciu10b]. tokens [CJK+18, Gx+09]. TOLa [SZD+17].

Tolerance [PCBD99, AMR18, CaCd07, DSS07, GdVC10, LxJD18, LSTV07, MC04, NKP16, Sar02, SG05]. tolerant [AMH02, AFp07, AB+B+10, BC+08, CCL11, DZZ+15, DHB02, DK14, FD02, GCv+14, KL02, LCBF13, LHB95, LAM07, LS01, LYY+16, LS08, PWy03, PIP18a, RWy+18, SPR+10, THKG10, Xia06].

tomography [FGCM07]. Tomography [LG1Y18]. tomorrow [MK16a, MK16b, vdR87j]. Tony [Her87].

Tool [LLSR02, ABGMC19, BGML17, DM93, FS07, FTH16, Ham17, KZLk06, LWHC07, MCg+15, NS17b, OS92, Reu03a, SDST18, WSS+09, WBF08, WY+90].

toolkit [CN92, HAE+03, JLLC03, LWHS07, SAMN02, ZYB+18, MFE+08].

toolkits [YPF05]. Tools [CBS17, KV03, TBK+10, TA96, WRK+15, ACU95, BR92, BSG+05, BRNR15, CAC+10, GLM+12, GD93b, KKVdB+17, MCSS00, SP18a, TC06, Wal86]. toolset [PST+18, RSSD02, Tao10].

Top [CCJ16, MLW+18a, KMT14, MAD+16, TDBR18, ZZC14, CCHW03, RW18].

Topo-[CCJ16, MLW+18a, TDBR18, ZZC14, RW18].

TOP-C [CCHW03]. Topic [AK18a, DL04, Szd+17, LDS+18, WJS+18, ZJ16Y].

Topic-oriented [SZD+17]. Topics [FM17, PZY16, HO17, PPB16, PZY17].

Topological [AAC04, SNXB17].

Topological-order [AAC04]. topologies [VS09]. topology [AAD+13, LLPC12, LKTC14, PRC+14, SHRE16, XWJ+16, EMH18].

topology-aware [PRC+14, SHRE16]. Tor [WLYL11]. tort [Kag89]. torus [KDO0, LOK09].

TOSCA [WBKL16].

Toshiba [Ama86]. totalistic [JM02].

touch [Alp18, GMCM16, GMCM18, PDW16].

touchstroke [Alp18].

Towns [GMLEGB+17].

trace [KN06, PD11, SK06]. traceability [Che18, WHS+18].

Traceback [JL14]. traces [DMMM1].

tracking [BK06, ZSBB19]. tracker [MKS18].
trial [KMCH03], triangles [BRR+04].
triangular [vdS04]. triangulation [XSM04]. Trident [SB11].
tridimensional [BG05, HM08]. triggered [KID+16].
trip [LSV+18, MG11]. triple [ZZJ17].

triple-way [ZZJ17], triplet [Tnl04].
TRIPOD [Pip10]. Triva [SHN10]. Trojan [CLK11].
trolleys [MOFGP18]. tropical [VBL909]. trouble [XZ+18].
troubleshooting [Tak89a]. trucks [PWP+18]. TrueID [HCL+17].
truly [HNS05]. TruSMS [CYZK15]. Trust [AWY16, ABTA18, ECPF17b, SS17, WCVL12, YDNV16, ACL+18, AHdJF97, AM10, CYZK15, DSS07, FMRS18, GVdBdL15, JWW14, KZA+18, MML+18, MG16, MPR+16, NV11, NJ16, SCL14, SRKS18, TDL17, TAHS14, TI11, WW11, ZYK17, ZZF18, ZSS+18, TY11].
Trusted [BCP18, Pol98, SK97, XZ11, CWJ16, CLM00, DCL00, ED19, HLNM11, JWW14, KnuRAl+18, KF00, NV11, WW11, ZZ+10, ZZQ+13].
Trusting [Lee12]. Trustworthiness [ABTA18, SZ12, CFGM16, HSH+07, LHX+18, SS17, ZG18].

Trustworthy [DLMS15, YLVY15, CYZK15]. trust [ZZ+19].
truthfulness [DWJ+18]. Tsallis [RDA18].
TTN [BBD+99]. TTPs [Pol99].
tube [HvHAS04]. tubulin [Hl04]. tumor [ASYF18]. tumour [KMB+19]. SUD+98.
tuner [vW19, vW19]. Tuning [JJRS18, EBCP18, FMS08b, LCL+18, RSJ+14, Tao10, TCCCI11, WVC05, WLH16].
tuple [BR18]. Turbo [XRP18].
turbulence [NEJF94]. turbulent [GL95, Knis99, VWC94].
Turing [DDL01].

Turing-like [DDL01]. turnaround [CRTN17]. TV [LCH+11].
Twister4Azure [GZWQ13]. Twitter [BHOCC17, CWZ+17].
Two [AB95, DST14, ED19, GJS+94, GDAS18, JLI+13, KI99, Rus90b, TTB+13, YG18, YDNV16, AWN+13, BP02, CHS11, CDD+10, CHY+18, DS04b, EMHE18, GS13, HM98, LM90b, MTD18, PBHK10, PM14, QZD+18, QPTGG+12, SA07, Ser98, SJL+17, TJ18, UM02, WWX+17, WLS+18, YPCK12, YCH19, BBSV92, Mur86].

Two-agent [WWX+17]. Two-dimensional [GDAS18, BP02, DS04b, PM14, SJL+17, YPCK12].

Two-factor [ED19, WLS+18]. two-layer [PBHK10, TJ18].
Two-level [JLI+13, Rus90b, CDD+10, CHY+18, EMHE18, MTD18, QPTGG+12].


TXOP [HMW14]. type [BV04, Cie04, Sli15, L90]. type-2 [IS18]. type-theoretic [L90]. typed [BM00].
types [SW17, YH18]. Typing [Goo02].

U.S.A. [Ano84b, BS84]. UASNs [KKN18].

UAV [SGTR19]. Ubiquitous [ADALZ14, YG516, ADLW12, CFPC17, Lok12, Od14, Pal13, PPB16, VFHB14, WZC08, WQ14].

UCLP [JHL+06]. UCLP-enabled [JHL+06]. UDP [CHJS+10, LBM18]. UDT [GGH+05]. UHF [ABS+18]. UK [HT02].


Uncertain [BN17, CAL+18, CLM14b, L1Y17].

uncertainty [Ano86j, CAPG18, DM12, FZT+18, FB93, Kol18, LPBB+18, SPM86, TM05, ZMJ+06].

uncompressed [BD18, HUKU+11, SKF+09].
uncorrelated [MSM+18]. Under-fitting [MK19].
undergraduates [BLB03].

understand [Eng14]. Understanding [CRE01, LG16a, SEM11, Ano85g, DM12, LMZ+14, NJ18, SJTG07]. underutilized
underwater [CJG+18, LSZ+16, LU+18]. underwriting [Kom89a]. undo [LHCC18]. unexpected [SCB04]. Unfolding [DFLO17, DCK03, SSLF+10]. unforgeability [SCZ+14]. Unicode [RM16]. UNICORE [AS99, BBvdB+11]. unification [BBH18, FLN+18]. Unified [MWMA10, DJ13, HIA8a, HNQ+18, OFO+99, RSA18, dOWdAS+18, WG13]. uniform [AS99, BMIS05, CJ14, KLC05, LOK09, MZD+16, Van92, ZCLW18]. Unifying [XFTZ16, VP94]. Unikernel [WMJW18]. union [HXWW18]. unit [MCSA18, PAB+14]. United [Wii84]. Universal [RACA18, ADKS06, Bur02]. Universität [Bun03]. University [Ano86i, Ano87b, Ano87c, Ano87l, BLB03, CN99, HICAFM92, Ber98]. Unobtrusive [AKM18]. unpredictable [ACBM15]. Unsharp [BMU18]. Unsteady [HVHAS04]. Unstructured [LF95a, AR15, CH95, WW13, vdS04]. unsupervised [FGM11]. unsymmetric [SG04]. untraceability [YHL16]. unwanted [ZYL+17]. UOV [YN18]. up-to-date [Dim99]. UPC [EGCY14]. Update [GSD95, FS18, LTC12, LYY+18, PWMX17, ZCL+18, ZWJ04]. Update-Based [GSD95]. updates [Kol18, LPY+18]. Updating [QCYJ17, ZDW+18]. Upgrading [WWC+97]. Uploading [CSQ17]. upon [PLLA18]. upstream [WLP10]. Urban [KXS+16, BA17, GACM17, LSV+18, Tur18]. Urgent [BBK18b, BBWB+18, KNI+18, KKS+18a, LPK17, LPK18]. USA [vdR86b]. usability [APRC16, GMB+05, GMM18]. Usage [CDL+16, EH10, FD02, JOPW14, MM10, MWMA10, PGPW09, RGAT18]. USB [CLK11]. USB-based [CLK11]. Use [CTMO06, MCR+16, Niw89, Pip10, AR18, BSE+13, BKL01, CGCB+12, HHSW92, JSDK+06, JNPY06, Jon00, KMZJ16, LNJ04, MJ00, Set98, VHML11, VFBH14, VM93, vdPGZ+16]. USEE [MZD+16]. useful [CN98]. User [AKB18b, Gra92, PNZ14, SZK18, WZM+18, dNE05, vKVdW+13, ABZK15, ACL+18, APK+18, AMB03, BvdV99, BFGL99, BDWM17, CFGM16, CHS11, DDRR96, DLLZ17, DGGH11, DMM+18, DYC+18, DGdL15, EKGS14, FK11, FT17, FTD17, HCL+17, JRJ+11, KZA+18, Kam85, KJI11, KID+16, KV09, KMK09, KBB+09, KGLY18, KLW+16, Lzp+18, LJY10, LH13b, LHL03, LLW+12b, LLGY18, LASL16, LZX+18, MSK03, MBLS11, OAMS18, PLAI18, PARMF14, PQBP17, Pip18a, PDW+11, QGT+18, RSSD02, RA4+18, RRH16, SBCF16, SCN+14, Tak89b, WSG+14, WMQ+16, WSN18, WMA18, YA014, YHL16, ZDL+13, ZLZ13, ZXZL18, ZCZ+18, dACNC16, GFR+06]. user-based [WMA18]. user-centred [AMB03]. User-centric [SZK18, ACL+18, DMM+18, DGdL15, Pip18a, QGT+18]. user-defined [KJI11]. user-generated [DGGH11]. user-level [KMK09, MBLS11, ZLZ13]. user-oriented [ZDL+13]. user-oriented [BvdV99]. USERNET [KGLA85]. users [GCD+18, IG12, JBR+16, KTB08, Lok12, OS92, SCH+17, YD18]. uses [Ano86i]. Using [AC92, AHdJ97, BB06, BCG05, CGM+07, CPP+18, Che13b, CsdSDS15, CCHW03, CS97, Da03, DvdHdL06, DBS14, Eng14, FDGR14, FR08, FRMS18, GTEL18, GMdFPLC17, GJKP18, HPGM18, HGM15, HLSO06, IJLC03, KGdL11, KKK11, KKA18, LT110, LDS06, LFH+15, MRV92, OAMS18, PCC18, PGPW09, PBB+05, RMSPP17, RWV+13, Reu03b, RMCMD12, RV95, RS98, SK97, STC15, SSC04, SBLT05, VFBH14, ZBF14, tTvH96, vDDBB98, vdHDT+06, AD18,
AAN+18, AFO+18, AdI14, AAC04, ATF11, AQR+18, AEK+18, AHM+18, APK+18, ABB+03, ACE02, AIB+18, AKM18, AKW90a, AKW90b, ABL04, AEM10, AY16, BTG19, BA17, BDE17, BG12, BaI91a, BDP11a, BGI14, BYL+18, BvdHN+01, BRR+04, BBC+12, BKSS02, BRMN04, BG05, BMK+14b, Buëo0a, BMP+16, BK06, CMX+16, CWD04, CSJN05, CstdCM+17, CHJS+10, CHSA18, CY12, CPK05, CH10, CFL+15, CLY+14, CHS11. using [Luk89, LTZ15, MLL+15, MWL18a, LD17, LH13b, LOJ+07, LLWF18, LWN04, LY+05, LAH10, LSD11, LLGY18, LLZ+18b, LLY+16, LUB+18, LKT14].


SLB$^{+17}$. VDM [BHH91, BHH92]. VE [DBA98]. Vector [LFWV05, VSV95, CLY14, HBCR01, HAA$^{+16}$, KCK04, PM04, PdLS$^{+99}$, ZZ15, ZWL$^{+16}$]. Vectorization [vM94]. vectorized [LN94]. vectors [BB04].

vehicle [BBG$^{+19}$, DOV01, HDC$^{+19}$, OVD98].

Vehicles [JBM$^{+19}$, KJ18]. Vehicular [KMG18, KIMR15, WSN$^{+18}$, BK16, SGGRCR$^{+16}$, VCD$^{+18}$, WLZ$^{+16}$, WSZC18, LWW$^{+16}$].

vein [LFWV05]. vending [SDDG17].

versus [ED16].

versioned [ED16].

versioning [HD016].

versus [BVDF00, BM00, FLN$^{+18}$, GJS$^{+94}$, MGRT18, NHT06]. vertex [GL95]. vertical [FJL$^{+16}$, KAEC$^{+18}$, LLF$^{+18b}$, MCD$^{+16}$]. vertices [LXM$^{+18}$].

Verifiable [ABH18, CZZ$^{+18}$, LLI$^{+18}$, KKL09b, WCL$^{+17a}$, WLXZ18, ZZ15]. verification [CY12, CMVA18, EPB18, H093, LPMY18, LYZC15, LEW19, MKM11, TYH04, ZZ09, ZW10, dLA93].

verified [HKA$^{+18}$, HXIL13]. Verifying [AH11].

Versatile [HTV07, SBD$^{+18}$]. version [JL95, LFWV05, QCYJ17, ZDW$^{+16}$].

versioned [ED16].

versioning [HD016].

Virtual [MGR00, BM00, FLN$.+18$, GJS$^{+94}$, MGRT18, NHT06]. virtual [FJL$^{+16}$, KAEC$^{+18}$, LLF$^{+18b}$, MCD$^{+16}$]. virtual-to-physical [ABF$^{+15a}$].

virtualization [FJK17, KKB14, LLW$^{+12a}$, LCL14, M$^{+12}$, SVN$^{+10a}$, SWW$^{+18}$, VOS12, WCC$^{+16}$, ZLZ13].

Virtualized [BB17, ACC$^{+05a}$, ASB18, BJWZ08, BD11, BBC$^{+12}$, CP17, FCRN11, GKW$^{+12}$, GFB$^{+12}$, GSP$^{+17}$, JL1$^{+13}$, JK17, LC13, PPL$^{+15}$, TTB$^{+13}$]. virus [LFL$^{+17}$].

VisGenome [HJC10]. visibility [DS04a]. Vision [BYV$^{+09}$, CCKW88,
virtual [Kni89, Sap88].

wandering [KID98, HM98, YG18, YCH19, ZZJ17].

wave-turbulent [Kabr05, Mcc05, volution [BNJ16, Igl04a].

Wavelet [Kov98, GCM, HCH18, AIA94].

waves [GPH+94].

way [ABMCMC18, ABF+03, dARDGF18, GFW+18, HM98, YG18, YCH19, ZZJ17].

WBAN [GCK18].

weakening [CWL+18].

VSA [KMT14].

VizieR [OFO+17].

VLAM [ZXL94].

VLR [PdASM18, SH99, Sar02, SG13].

VOMS [ACC+05b].

Voronoi [KS02, LGMV02, STA17a].

Voronoi-based [STA17a].

VOs [VKK14].

voting [Din03, ZCZ+18].

VR [EMB98, Kaa98, MSR98].

VRML [Zin00, AD00, AV00, Avg00, IdLR01, Jon00, MJ98, MJ00].

VRML-enhanced [AV00].

vs [BCH+08, Ger02, IPG+18].

VT [VKK14].

VTk/CAVE [WKF03].

Vulnerabilities [YS16, GHYK18, GGC18].

Vulnerability [LKC18, NJKH13].

W [vdR87g].

W3P [FKOC11].

Wafer [AKW90a].

Wait [Ray05, BB06, BKY18].

Wait-free [Ray05, BB06].

wakes [SDSP04].

walk [MLW+18b].

Walker [vdR87g].

walks [LXM+18].

wall [NRR+15, KID+16].

walls [YDK11].

WAM [CY88, CYB90].

WAM-based [CY88].

WAM-Plus [CYB90].

WAMM [BF19].

WAN [SISGS18, TDG18].

wandering [Ciu10b].

WANs [GCH+05].

Warning [ZPE17, VM+18].

war [ZXL+18].

WASAM [AL14].

wasn’t [DA18].

wastewater [Mae99].

watchdog [ABF+15b].

water [BNJ16, Igl04a].

Waterman [Zem86].

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