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

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15 May 2019  
Version 2.76

Title word cross-reference

$(L, \alpha)$ [SLW11]. 10 [ABB+03], 16 [Goo01], 2 
[AKB18b, CEGL01, HvHAS04, JNR01, NCS04, RBS93, VAS95], 3 
[AKB18b, CPD15, CH95, DJH19, EMB98, EdBG99, IdLR01, JHL06, KCK04, Kn89, KA88, MJ98, MJ06, RICW00, SGL99, SHN10, VF18, WKF03, XYZ05, XJY18, YMM00]. 4 [Avg00, DMM99]. $\text{\$47.50}$ 
[Teb86]. 5 [AT19a, DPK19]. 80/20 
[MRH17], $\pm$ [PYH18]. 2 
[LG08, OSCY93, WWT16, ZY04]. 3 
[LHM14]. $\mu$ [DGS09], 3 [TMDZ15]. $D$ 
[PP06, SW02], $D_2$ [DRS04]. $\text{diam log(diam)}$ 
[SW02], $\ell_1$ [Tre03], $\epsilon$ [GPS13]. $K$ 
[LZY19, PLL18, ZZC14, CCJ16, MLW18a, PSLZ18, Pan95b, SAKOK03, STA17a, TDBR18]. $\lambda$ [LIJ04]. $M$ [YH18]. $\text{AVISP}$ [BG93], $\mu$ [JD94]. $N$ 
[Ref87, RW18, SvAS01, ZXM19, CFL18, Pan95b, SAKOK03]. $Q$ [CLL18]. $R$ 
[CPK05]. $R^2$ [TY11]. $T^2K^2$ [TDBR18]. $T^2K^2D^2$ [TDBR18], $\tau$ [RGDML16]. $u$ 
[HZM14]. 

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

-ary [Pan95b, SAKOK03]. -aware 
[LW+12]. -based [YZ12, TMDZ15]. -body 
[SvAS01]. -constraint [GPS13]. -core 
[PSLZ18, PLL18]. -cube [Pan95b]. -cubes 
[SOK03]. -D 
[VF18, Kn89, KA88, RBS93]. -dimensional 
[CFL18, SW02]. -diversity [SLW11].
accountability [HCL+17].
accountable [Wan18b, XX14].
acquiring [BBC+12, PGPW09, SRG+03].
accounts [LZP+18].
Accurate [TMB+19, BBL+05, FZT+18, FWB13a, FWB13b, IDM+16, KSAOK08, MAPA19, NS17b, WN10].
Accurately [CPSD18].
ACEIS [GACM17].
achieve [CWD04].
Achieving [Ano07, Ano08, Ano10, Ano11a, Ano12a].
ACID [KJI11].
Acknowledgement
[Ano07, Ano08, Ano10, Ano11a, Ano12a, BGL08, KZ17].
ACO-based [GPJC17].
ACO [BGL08, KZ17].
ACO [GPJC17].
Acoustic
[KKW+18, CJG+18, FZW+18, HAHHW+18, HST+18, TSD18, WCB+18, WTP+13].
acquaintance [RQN+19].
acquisition
[BDDZ+13, XYLZ18].
across
[BCPS03, CTVB12, LZR+18, LLM+16, LSVML+13, BPC+01, SG17, SFR15, Sin07, TMMVL+12, UNM+16, WTR+13, ZHH+16, dLFVPSH+14, SMSF18].
action
[Cad86, GDBW06, KFP+02, vVDBB98].
actions
[ABG18].
Activated
[SHJ06].
activation
[SSZ+17, ZBL+14].
Active
[BBB+05, CKK+04, KMI11, SFR15, STC15, BGL+05, FGG13, HCG99, LQK+16, MKT+00, XFLL16].
ActiveSort
[QJL+19].
activities
[TMB+19, dLFVPSH+14, vDR87].
Activity
[TCCW19, BDE17, CHWW13, CZXL18, GMP+17, HUMA18, HLT+18, HMW19, MSS+13, OCW14, dSGD13, GMP+17].
Activity-as-a-Service
[SGM+17].
ActOn
[XCGD10].
ActOn-based
[XCGD10].
actor
[LYW+16].
Actuation
[SST+18].
Ad
[CNP+19, KKN18, KIA+17, LLYW19, YFY+13, BLMU19, GR07, HHK18, LBYL08, LM07, LJJ+11, MV09, SGGCR+16, SM01a, VCD+18, ZF16].
Ad hoc
[CNP+19, LLYW19, YFY+13, BLMU19, HHK18, LM07, MV09].
AdaBoost
[LLS+14].
ADAMAS
[RM16].
adaptability
[HRW+18, MC04].
adaptable
[GLC04b, MSE19, PMLVL+13].
adaptation
[AKM18, CLNR18, FTD17, FA11b, PWB+13, PSBB15, Reu03a, SJ18, SGH+08].
adapted
[JLU+03].
adapting
[GLC04b, MSE19, PMLVL+13].
adapting
[AKM18, CLNR18, FTD17, FA11b, PWB+13, PSBB15, Reu03a, SJ18, SGH+08].
adapting
[AKM18, CLNR18, FTD17, FA11b, PWB+13, PSBB15, Reu03a, SJ18, SGH+08].
adapting
[AKM18, CLNR18, FTD17, FA11b, PWB+13, PSBB15, Reu03a, SJ18, SGH+08].
adapting
[AKM18, CLNR18, FTD17, FA11b, PWB+13, PSBB15, Reu03a, SJ18, SGH+08].
Algorithm
[RICW00, SR12, SGRT19, SOD18, SPD+19, SK04, Sl03, SMA08, SCK+00, SO98, SB07, SYAL13, SLB+17, SLJ+18, TDFZ18, TLL+11, TJZ+15, TLZL18, TM+07, TWW+18, TeP+17, VaP+15, VAS95, VMN+18, WYBS11, WCL+17b, WJZ+17, WDD18, WZZ18, WNN19, WZ18, WLA17a, WLA18a, WCC14, WWZ18, XY15, XRPTX18, XHL+19, YWCC18, YHL+19, YZG18, YSZW18, YP19, YDD+18, ZRZL18, ZWL13, ZBL+14, ZRZ+14, ZL18, Zin18, ST11, SM01].

Algorithmic
[CCG07, GTEL+18, AB18a, Hab05, WM14, Yos89].

Algorithms
[ABM05, Ber06, CCMGF18, DHD89, MJDN15, RGCL18, AN13, ACWJ19, AT01, AGKZ18, AB16, BPS06, CLCMG+18, CGM+18, CFG93, CSQ17, Cuz14, DE03, DP03a, DQ97, DRNMC09, Din99, Dog09, DMW04, DBT00, DDS00, ET08, ESPN17, EP13, FK12, FGM11, Fio06, FM10a, GRH05, GJS+94, GODM98, GA06, HLvL+97, HKS18, HZ010, HV03, JS89, JOSD19, Kha12, KKP+05, KGT15, KVHT10, LR01, LCL11, LCW+18, LKJ08, LC01, MCA+18, Mek17, MVCC10, NAD+18, SF19, SC16, SG13, ST99, TLYT05, VSDD13, WLQ10, WWT+16, XWJ+16, XLW+17, YJA03, YFY+13, ZGV19, ZLG+14, ZAC+18, LOJ+07].

alias
[MWYC12].

Aligning
[SBLW14].

Alignment
[MFE+08, CS05, KKVdB+17, KSM+07a, KSM+07b, Sch01, YD05].

all-by-all
[BORM07].

all-optical
[Pal06].

to-all
[ZTKF17].

alleviate
[DV13].

Allocate
[QMSG12].

allocate
[LLF+18a].

Allocating
[MDD15].

Allocation
[DFC+08, DXX+18, AOS10, BAB12, BCDP12, dCCDFO15, DVB14, DVD12, DEG+17, EM+13, FDRP17, FEPC18, HMM17, HLDW13, HLL+17, HPL08, IAL10, JSS+12, JMG19, KOT18, KK+14, KA19, LN13, LPC17, LPK18, LL04c, LW+14, LCL+18, NCS12, PSS16, PDAS18, PPL+15, QMSG12, QPTGG+12, SP+19, SCMS12, TTH15, TBH11, VDPHS09, Vau93, WCW18, WY17, WCC18, YSC13, YMY+19, ZLG18, XXZ18, ZB19, YYW+09].

allocations
[SMS14b].

allowing
[VRGR16].

almost
[LD04].

along
[DFLO17].

alternating
[SMC18].

Alternative
[BDL06, DFT92].

Alveoy
[Ano84a].

Alzheimer
[NDZ+18a, NDZ+19, KKP+05, NDZ+18b].

Ambient
[YGS16, CRC+19, FKT14, MLGGB+17, NPH19, OdI14, TF17, VRGR16].

ambulance
[KKS+18a].

AMD
[DRC+19].

ameboid
[Len01].

among
[ELvD+96, GSY+17, LLF+18a, SAGGB17, SCZ+19, dFPFG19].

amorphous
[Ole07].

amount
[PCB99].

amphibious
[LLN+18].

AMPIC
[CCH03].

amplified
[SLDK03].
answer [YL0+16]. Answering [ZLXZ18, LLVY19]. Ant [DBT00, DDS00, SH00, TRFR01, TA18, CCL09, DSS04, FZHHR02, MA02, TV16, WZ13, ZHJH18, Gu00, PW09, PT16]. anti [BBH18, CMZ+18]. anti-collision [CMZ+18]. anti-uniﬁcation [BBH18]. AntiCheetah [DLMS15]. Anticipation [Lea15]. Antipolis [Zna94]. ants [MVS00, MC00, WLB00]. anxiety [TCH19]. AnyLogic [BKK02]. AODV [ASA18]. AOFAS [Bo19]. APA [JNR12]. Apache [CSC+18, FPR18, HSV+17]. Apart [GMM18]. APHID [SGK10]. API [BC17, XLL+18]. apicalis [MVS00]. APIs [BBC+17, RMJ+18]. App [PS13, CMVA18, WWH19]. Appearance [RSY+18]. appears [Hen87]. appliance [FTK17, KTK11]. Application [BB17, BR18, BHRT9, DRNMC09, GEAR13, GRS+19, GZZ+18, HMH17, JNR01, KMZ16, KKJJ10, LOR+18, LRM19, MED16, NB04, PdASM18, PKC+05, RMDB18, SCL18, SWW+13, SCL14, SBA+05, TKT+08, WMBV17, YWA+89, ASW11, ANG+19, AHP16, ASTEP98, AKPN01, ABB+03, AS14, BMS05, BMFC07, BWR12, BKKM11, CPDJ13, CHJS+10, CPE+17, Ciu10a, CRB+16, CGS05, CW03, CDRS05, CZL+18b, DDI09, DFGR14, DMM10, DF07, DR05, GVDT16, Gra92, GCM16, GCM18, Hah05, Hir89, HLNM11, IG12, JNHL18, JEB18, KANS18, KOT17, KMK+14, KKA18, LN18, LW08, LZH+12, LPD+13, LBB+19, Low05, MM03, MSM+18b, PO00, PAL+19, PGTB18, PPFJ05, RBN13, RRS99, RVC16a, RMPG10, SRZD15, SM03, SEMJ11, SAMN02, SIS18, SGdMM96, Sin92, SSL13, SLS+09, SLZ95, TDFZ18, TOD17, TMW+17, VTTK17, VCL+19, WLY+11, WWD+14, WBF08, WLVH+19, XLY+14]. application [YZWG18, YY11, ZJW+14, ABS11, BBC+99, FCD+14, MS01, YPF05]. Application-aware [RMDB18]. application-based [WWD+14]. application-layer [ZJW+14]. application-level [LBB+19, RPMG10, SRZD15, SEMJ11, SSL13, WLY+11]. application-specific [DR05, KANS18, WBF08]. Applications [Ao86i, CHK98, CSP98, DDM+08, KLM+05, MG18, PN13, RC18, RC19, WHW17, ZZL18, ZYA+18, dRSHB94, AHS+18, APA17, AOS10, AW03, AB01, AUSA19, ACH+11, AKCY+17, ATJMZh02, ABS+18, AASI17, AHI+19, AILJ+11, AJY12, AD00, Ano87b, AB16, BMFR01, BFBW03, BGJ14, BKS+18, BC15, BC17, Ben99, BPS06, BDNP13, BB06, BKSS02, BLAV06, BCW01, BCG05, BFK02, BW+03, BGK+18, Buc05b, CGN18, CGCB+12, CVK12, CTVB12, CTV19, CLCMG+18, CPGB16, CSdCM+17, Cst03, CWS06, CRVZ15, CBK+10, CA15b, CMZ05, CCL+11, CES+19, CXL+17, CW13a, CGL15, CGS17, CCHW03, CN08, CRM05, DZ98, DHB02, DST10, DST14, DMG+08, DFG+00, DMM+18, DPL14, Dsb91, EAS+18, EAD18, EMB98, EET18, EMJ+13, ECA+18, EKGS14, ETR+13, FG18, FTP14, FRM+18, FHM+99, FS07, FFC12, Fr14]. applications [FM01b, FSC07, FSP+18, GVURIVBV14, GBS10, GAW+18, GH19, GHWW94, GHEB+18, GAJP18, Gil85a, GKW+12, GMA07, GMB+05, GIM16, GIK18, GVD+03, GPS+17, HY09, HGG+14, HCl7, HRSW99, HPGM18, HK10, HXH17, HHW11, HSC15, Hua05, Hum92, HMC06, Igl07, IDC11, JOPW14, JP18, JLM16, JMG19, JPB+18, KTO8, KAO9, KZL106, KMB16, KWK+18, KK19, KZ14, KC14, KST92, KSO2, KOL18, KMK09, KUM19, KB00, KAS+18, KPK00, KB019, KKK17, KKK18, LB03, LO4, LLLW13, LMZ+14, LRY17, LCL14, LZC13, LZX16, LBB+19, LHY19, LS08, Luk00, MTMN08, MBB10, MFN13, MWC+03, Mam09,
MVRM08, MAJD18, MZC08, MZC10, MLD08, MVT+99, MM08, MAD+16, MSM+18a, MTH+05, MDD15, MRL14, MMPF19, MLZ+00, MMRL17, MVC+13, NF13, NAGD18, NS10, NHG06, OS01, Pal06, Pal94, PKY+17, PC17, PMPC13.

**applications**

[PBHK01, PA01b, Pro07, QCYJ17, RRS10, RBJ+13, RBS93, RMCN+10, RVC16b, dRRR+18, dRRdQR+18, RSJ+14, RBC+15, SHN10, SBHD08, SG05, SBAD+18, Ser95, SY04, SD06, SPR+10, SJ18, SNC18, SB17b, Sip12, SSKK13, Slc14, SL07, SPM86, SLJ+06, SG14, SSC04, SPEW09, SSK+08, SSMG95, SVN10b, TZQ18, TKA+18a, TVB18, TAHS14, TJLT00, TBB+17, TCB18, TS18, TGM+19b, TSAER18, URKM19, VCKB12, VETT16, VSKS19, WBS11, WTM+17, WY17, WY17, WS05, WL05, WCVL12, WBKL16, WOPW13, WG13, WWT+16, WHYZ17, WPS+18, XYLZ18, XLZ18, XLL+19, YHJC05, YNSM12, YFY+13, YWCC18, YJHZ14, YLC+06, YL16, ZME+15, ZZ15, ZCK+15, ZCS+16, ZBB09, ZSMS18, ZBF14, dFPFG19, dKdOS03, vdR87c, vdR87d].

**applicative** [OBK88]. **applied** [DDJ+13, KG01, MGMT18, SSFFR19, Szu98, WAE06, ZPPE17]. **Applying** [CFVP03, UB07, AML05, KN+18, MEG19, NWE04, OcdAM07]. **Appraisal** [Tic93, vdR93b]. **approach** [ABZK15, AR18, AEGF+01, ACsdRR17, AGP+92, Ale97, AVP17, AL18, Ano12r, ASY+18, AB17, AB18c, ATX13, AMR18, Bae14, Bal16, BBWB+18, BRXdS11, BFS+17a, BFS+17b, BP01, BRS04, Be15, BRH18, BAC02, BMZ10, BRB19, BCPS03, BVD00, Bu18, CQW+19, CCGB+12, CWJD19, CCRV13, CA13, CFG+19, CPK05, Cha11, CES+19, CAL+18, CMP+17, CM99, CGM+19, Del06, DSo0, DHW+17, DAM08, DA16, DV13, DLDTGMMP16, DMM11, DC18a, DdM10, DLXR14, DPL14, DC00, EG18, ED04, ECA+18, FTK+14, FJL+16, FEPC18, FPPD14, GKiZ05, GHEB+18, GAIJ18, GNGG17, HAAH05, HO17, HDKC18, HHL11, Ham17, Ham19, HZC10, HLYW17, HSBE19, HBH09, HHK+16, Hol93, Hua10, HQ10, HZC16, JLCC12, JS13, KSS11, KZA+18, KTKN11, KKB14, KJ11, KA08, KK14, LBD18, LY17, L90, LC05, LJJW13, LXL+17, LPY+18, LYW+18a, LDJL19]. **approach** [LRMS19, LWS+12, LSL+15, LHW+18, LCM18, LKJ17, LGMV02, dSMAF+17, MD92a, ML11, ML00+17, MCT+09, MZC08, MBDA12, Mcc96, MLD08, MSBA16, MHZK18, MBL+19, MC04, MSS+16, MAB+15, MSM+13, MMRL17, NS17a, NSP07, N9H+18, NGB18, NJKH13, Nos98, Pal13, PC17, NZ14, PSY+19, Pon19, PDW+11, PPB16, PPJ95, PA01b, QZD+18, RAKJ18, RGN+18, RDS18, RLP12, RW18, SBCF16, SSFR19, SD18, SB79, SZ12, SMS14a, SCZ+19, SG18, SCMS12, SBA+17, SMM+14, SRKS18, SLL+17, SAC11, TV16, TOS18, TMS+17, TCCW19, TC92, UZ11, UPP17, Var03, Vau93, VGBLGS+06, Ven08, VW16, WN10, WXL11, YAO14, YP12, Yos89, YZ12, ZBCT17, ZYB+18, ZYY16, ZS90, ZWJ+18, ZL04b]. **Approaches** [GTEL+18, HXL90, ALK15, BMU18, BDL06, CMS+18, DL03, EDH+13, Hab05, HHS+18, Meu05, MOFGP18, Pet95, SSG19, STP+05, SB11, SNX17, TAHS14, ZNN04]. **Approaching** [CAC10]. **approximate** [DK14, FZT+18, GPS13, MM03]. **approximating** [SK04]. **Approximation** [Tho06, BTG19, SC16, Tab06]. **approximations** [Gae01]. **apps** [AMRM18, DC18b, WIW+18, HXY+18]. **AppTCP** [WWD+14]. **APT** [DC18b]. **AR-RRNS** [CBT+19]. **arbitrary** [kHsZwJW18, JLL17, VMSRM12]. **archaeological** [LKK+16]. **ArchaeoSTOR** [GML+13]. **archeological** [GML+13]. **architect** [GLSV07]. **Architectural**
Architecture
[ACC+19, CBS17, FP03, GLM+12, Ger02, Her84, HKT94, MBMTJR18, RSRV88, SCL18, ZDL+13, ZLG+14, AKB+01, AG92, Adl14, AGP+92, AMW99, BBC+17, BLO+18, BBC+05, BCC+17, BRI18, Bhu95, BGL+05, BDH14, CST91, CDF+05, CBK+01, CJ14, CWW+13, CWW+16, CS96, DVD12, DCCGH+17, DJ13, EDH+13, ES94, FNA11, FRM+18, GDJ+13, GD10, GD05, GI18, GSY+17, HIA18a, HDO16, HHS98, HOO2, HML+07, HML09, JYY+17, KSI1, Kat04, KB18, KLH+04, KKK07, Kim07a, Kim07b, Kob92, KGLA85, LG08, LBJ+18, LIW+12a, LKN+13, LFP+17, LHL03, LRC+18, LHBC16, MH01, MVL+18a, MPCA15, Mar09, MPF+16, MRH17, MHA08, MPPM09, MRS+18a, Mur88, Ném00, OBK88, OFT09, OBG+18, PO00, Paras, PSW+14, PSR+07, PAS+09, PBC+11, PPM+18, PMLVLS+13, PSS01, PSBB15, RBGA18, RHPV17, RCOP+11, SA07, SZC05]. architecture [SSS02, SGK+10, SP18b, SD03, SHJ06, TSTD16, TJLT00, VETT16, VDK12, VFBH14, WSH+16, WZ16, YAJG+15, YS16, YCXC05, ZMP10, GMEL08]. Architecture-based [ZLG+14].

Architectures [DO15, HYZS16, HV84, Ph99, TKRA14, VDTK12, BFFL99, BSCCF6, BFP18, BW95, BPC+14, BS95+05, CA15a, CDG+14, CG09, CGP14, CCL11, 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, PMCC+18, PPS18, RC18, RC19, SGdMM96, SMBMT+18, TR85, UWV92, WBT05, ZMN99, dLB10, vM94].


Ardent [LM90b]. Area

[AS18a, PP10, AL14, GGH+06, GGSZ09, GG10, HLYW17, LCBF13, LRJ+06, LWSC07, NAGD18, OS01, PSVL02, RRS99, SCS+18, VBLS09, ZGV19, vdRR71]. areas [Hab05]. arguing [Sch00]. Argument [SWCL95]. Argumentation [DKFK18, OAMS18]. ARINIAN [BPA92]. ARIANEXPERT [BPAP92]. Arigatoni [CCL08]. arithmetic [FGG03]. ARM [OBC+18, RRP+14, SGN+17]. ARM-based [OBC+18, RRP+14]. Armada [OK02]. ARMACO [PPB16]. ARMOR [MML+18]. arms [Poh87]. Arranging [Leo98, GVDlL15]. Array [CCKW88, VV92, Mur88, Pan95a, PHL98, WHZL10]. arrays [Dui89, EDF00, Van92]. arrhythmia [SD18]. arrhythmias [AFO+18]. arrival [MRN19, WMLS14]. ARS [TSK03]. art [CszZG+13, LCC19, SJV+15, Van87b, VLC03, dCTVC18]. arterial [DIK+06]. arthropscopic [Bo19, WWSM98]. Artificial [All92, Ano84e, Kow85, Sch85, vdR87a, Ano861, BZMY10, Che18, CZL+18b, ED04, EO86, GJKP18, WXWW18, How91, HLZ18, JL98, KRLR01, Kow84, KS18c, Lop96, MGA+18, Niw89, RBC+88, Wii84, XLW+17, YZWG18, ZNZ04, vdR87b, Ano87b, Ano87c, GKT15, vdR87c]. artistic [UNM+16].

[ABDO18, AAM+16, DLXR14, FGW+19, KMT14, LTC12, LD17, LHC03, MC00, RS17a, RN01, THKG98, TRFR01, TdPF+17, Vadp12, Var03, VTKT17, WZM+18].

**ASSIST** [Ueh89]. assistance

[Ohy89, SOR05, SZD+17, Tak9b, TD95].

**assistant** [FGW+19, HIA+18b, KFF+98, LCMX16, SNC+18]. assisted

[BDS+10, CCCR99, FKT+14, FFL+19, HMA+18a, HDLW13, LLC14a, LKG08, LNY+18, LYL+19, NDA+19, RSK16, TM+18, WXYL15, WXZ+18a, ZYZ+18, WLM17].

assisting [SR19]. association

[AVPV17, EBOY14, LHW+18, RAKJ18, SA97, XL19, ZDW+18]. associations

[GG18, KZCW13]. Assoicative

[CC99, HMMW19, NSS+18, SSS+17, Ami90, CMP+17, WGL92]. assurance

[GSC11, LLW+12a, WWR16].

Astronomical [SB99, GML99, OFO+99]. astronomy

[HJPS03, LB18, PCM09, SLJ+06]. astrophysical [RBS03]. astrophysics

[LKA+19, MGY06, BAD+05]. asymmetric [CRIY18]. asymptotically

[CKR04]. Asynchronous

[SM01b, AT01, CCL11, DOV01, ESFD06, MMR02, PVSS17, Papp05, WHCZ18].

asynchronously [SLG+17]. ATLAS

[JLRS18, KVR15, KMCH03, Uch86]. ATM

[MK04]. atmospheric

[LN18, PPZ12, WJZ+17, ZDL+13, AKMK05].

atom [ZW19]. atomic

[Bag11, Tor04, OB04]. Atomicity

[WLF+09]. **ATOP** [SGH+08]. **ATOP-Grid** [SGH+10]. **ATOS** [Lau82]. **ATREX** [Tak89a]. attack [AQAR+18, CM17, DC18a, DCC13, JNHL18, KAW12, LSL+15, NZL+15, SPT+18, WLYL11, WYW+18].

attackers [PLGMCD18]. Attacks

[JL14, IDKD19, KIAD17, KPS18, KdGP+19, NNC+19, OA17, SCH+17, SSB13, TA18, VS13, ZJW+14]. attempt [SLZ95].

attention [FJA+18]. attention-scoring

[FJA+18]. attestation [GZW18]. attitudes

[RWY+18]. **Attractor** [Ami90]. **Attribute**

[CDL18, KH97, LAL+15, LHL15, LWL+18, Rao17, SH90, SYK+17, WLYZ18, CIK10, FLT17, FRZ19, GB10, GGM+09, HZL18a, HYS17, HYS18, JSGM18, LYL15, LDZW19, MWQ+14, QRW+18, QGT+18, SMSF18, SCL+14, SCZ+14, SHLB08, VPF+19, YCT+15, ZCL+18]. **Attribute-Based**

[LAL+15, LHL15, Rao17, CDL18, LWL+18, SYK+17, WLYZ18, GGM+09, HZL18a, HYS17, HYS18, JSGM18, LYL15, LDZW19, MWQ+14, QRW+18, QGT+18, SMSF18, SCZ+14, VPF+19, YCT+15]. attributes

[BFS+17a, BFS+17b, VLF09]. attribution

[Mil11]. **Auction**

[ZBL+14, YI10, YLJL18, XZL18]. **Auction-based** [ZBL+14]. audiences

[PNH99]. audio

[BDMO11, LYXT14, MSK03]. audiovisual

[VWD+08]. **Auditable** [ED16]. Auditing

[SK97, BSSC06, LGY+14, YNY+14, YXA+16]. auditory [CPP+18, XXY+18]. augmentation [AGKZ18, GBRM18]. augmented

[BB04, CES+19, KMY+15, RMSPP17].

Augmenting [HMZ18]. **AUGUSTUS**

[SLS+09]. Aura [HKH18]. **AusPlots**

[TSTL16]. authenticated

[ODK+17, YZL+18, ZW18].

Authentication [ASO14, ABB19, BDFP05, AMN18, AHR+18, APK+18, ALP18, AKB+18, BLAN+16, CIXX19, CHS11, ED19, FHZW18, GHD19, GAI+18, GLB+18, Ham19, HLC16, IOV+18, JKAU19, KVVE18, KLW+16, KLW+17, LC17, LNK+18, LHW+18, LHM14, LH13b, LHL03, LWL15, LNY+18, LWF+18, MCN+18, MR00, PYH+18, PLGMCF18, SGGCR+16, SCS+18, SYW17, VCD+18, Wan18k, WDKV19, WLS+18, YHL16, ZLY+19].

authenticateers [SYY+17]. **Authenticity**

[CBD+05]. **Author** [Ano85b, Ano86a, Ano87d, Ano89a, Ano90a, Ano91a, Ano92a,
Ano92b, Ano93a, Ano94a, Ano94b, Ano95a, Ano98a, Ano01a, Ano02a, Ano03a, Ano04a, Ano92b, Ano93a, Ano94a, Ano94b, Ano95a, Ano98a, Ano01a, Ano02a, Ano03a, Ano04a.

authoring [Tak05]. authoritative [WMA18]. authorities [HWW04].

Authorization [GdLvOT03, KWR+13, ABTF16, ACC+05b, BPC+14, CHC+17, CZZ+18, CBPP18, DLLZ17, GXD+09, GvdBlL15, GGM+09, HHD+12, LCO5, 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 [LCL+18, DWS12, EPB18, KTTK17, dACNC16].

auto-tuner [vW19]. autocorrelation [DH16].

Automata [TS99, TA18, BMP01, Ban02a, Ban05, Bog99, CM99, CBBdL16, FW02, GZ04, HRSW09, JM02, KCT79, Mar02, PRN14, RGAT18, Ser98, ST99, TSZP99, Wor99, BP02, CDRS05, PIKM02].

Automata-based [TA18, CBBdL16, RGAT18]. automate [TC99]. Automated [AD18, AFO+18, Asu13, Bea03, CPP16, FM01, FTD17, GACM17, GGTRRC16, GMM18, KHO+19, LJ1a, NUPA19, PKI+18, RBGA18, RHK15, Shi93, AAF18, CsZgG+13, COC10, GBMR18, GRS+19, Hua10, JBR+16, RSSA18, YPH14].

Automatic [Büc05b, CMV18A, HWW12, Kom89b, LLN+18, MHA09, McdA16, Reu03a, Rob05, XZ14a, ZLZ13, ZSL+19, ZH17, Adl14, AMM16, Ac01, BBH18, Büc05a, Fan05, GMM18, HNP05, HHG05, HNS05, SK04, SBLT05, TMZ15].

Automatically [CHSA18, BCF16].

Automating [BJA+05, XL+18a, MH01].

automation [ACPI19, DDV02, DVJ+15, JBC16, WBKL16, WTP+13]. automaton [Ban02b, DDL01, LPY+18, SKT02].

Automobile [Tak89a].

Autonomic [AHU+19, Erd13, LG08, YYVC10, ASAB+18, BJWZ08, ENC+12, FS07, FLPP05, GJP18, HCVW17, IGB+14, MSBA16, MTD18, MAB+15, PVP+12, SMPC12, TTB+13, TCR+12, Vin16, ZYW+18]. Autonomous [YKL+07, DP19, DSB14, FGW+19, PBV+13, TCC11, YP12]. Autopilot [RSR01]. Autostereoscopic [PSG+06].


Availability [NKP16, ASD12, BCB+07, CBD+05, KAS19, KFC+07, LSLS05, LVH08, LCH+18, RLP12, TSWL17, VVC+12, WLML17]. available [Din03, Fri14, GVI13, JSS+12, SB14].

Avatar [GC00]. average [NJKF18, YK17]. average-utility [YK17]. avoid [GL05].

avoidance [Cui10b, DPK+19, ZGL19]. AVS [WKF03]. AVS/Express [WKF03]. Aware [ABTA18, BLO+18, KIMR15, KV17, RMA+18, SV16, TKA18b, AHEM17, AGR19, ADAAD12, ADA+19, ALK15, ACCD17, AMT+12, AG16, AB18c, ACSV18, AC18, AEMIE+18, BAB12, BPC+14, BCDP12, BMK+14b, BCR+12, CCIP18, CCCI14, CHY+18, DWJM18, DPK+19, DKV14, DFG+19, DDD18, DSBC19, DA18, DCF19, DCMW17, EMHE18, FG18, FKT14, GMM18, GJGB19, GHD19, GDJ+13, GJ15, GD10, GS16b, GKT15, GBJK18, HZC+08, HY09, HGG+14, HNK018, HJC14, HSC15, HBN+13, JGFB18, JLG+17, JNR12, JLD+19, JEB18, KBM16, KS18a, KANS18, KSF+13, KRD+19, KCS14, KKW+14, KB09a, KBB+16, KIC12, LTC12, LLC14a, LPK17, LPK18, LGY+16, LYYY18, LJG18, LWS+12, Lok12, MCL+16, MHC14, MMV08, MBM18, MHZK18, MPR+16, MMPF19, NKB19, NK15, NSSA+14, NJ16, Pa09, PP10, PC18a, PLZ19, PKC04, PPJ18, PSR+07, PNZ14].

aware [PAB+14, PRC+14, RMD18, SSG19, SC16, SHRE16, SHTA19, SCY+18, SMG18, SRN+18, SCS11, SCH+17, SSP17, SLY+19, TKR+15, TCC11, TCR+12, UGBM+17].
UDvdW, VDTK12, VPT+15, VGC+13, WKC+13, WWC14, WCC+16, WLZ+16, WZZ16, WQG+18, WCH+18, WSZC18, WZM+18, WS10, WZ13, WYH+17, WZS+18, XDH+17, YIA17, YCX18, ZMHT16, ZL13, ZME+15, ZHIC17, ZGL+18, ZWS+12, ZQB+18, ZLH18, ZAC+18, ZFH+18, ZTD+18, dACAM13, CG09, KC14.

Awareness [AL14, AFB+15b, GRTV10, LCL14, RR18, SHBP10, XFTZ16].
Axisymmetric [CASW05, de 94].

Balancing [AS18a, CTR+17, CCL18, CSTA19, DWW16, YWCC18].
Balancing [GXL+18, LCZR12, MD12, OSHH96, dRSS97, AA18, ADOKM06, BCMR01, BM08, BL02, CSJN05, CY01, Cho04, HLW12, IS18, KRZ12, KNK+08, KMK09, LYMZ09, LZXW13, LN18, MM03, MKM11, PZA18, PGM05, PRC+14, Qiu07, SB97, SMG18, SJSN18, SMA08, TZZ18, WCF+15, ZGB+17, ZMS+06, ZFC17, ZFC18].

Band [SYCH18, VAdlP12, WGX+19].
Bandwidth [VS04, XDH+17, AHP16, AHP+18, CGL08, CALN03, KWK16, NF07, PBHK01, WLP10, WQG15].
Bandwidth-aware [XDH+17].
Bank [WY17, NUPA19, YW12].
Banking [GA00, KVvE18].
Banks [ABC00].
BANs [BL+19].
Barrier [Pan95b, SO98, WPJ16].
Bartering [GBRM18, ZA13].
Base [BMFC07, BBCN18, Nis93, ZY90, vdR871, Cha15].
Based [GBY16, GSD95, GGC18, HX+17, LAL+15, LHL15, ML17, Rao17, Sar18a, ST11, SCH+17, YG18, YTHY84, AD18, A006, ABZK15, AMNH, ABMESM18, ABMC18, ANA16, ADM06, AJY15a, AA18, APRC16, AKP+18, ANG+19, AMH02, A0C04, AJ19, AAAQJ+18, ADAAD12, ADOKM06, ATJMZ02, AAS17, ARP14, ASO14, AIA+18a, ATAc+16, ADH+16, AMW99, AK14, AMKM18, ABF+15a, SYJ+19b, ASAA18, AB95, AM+12, Ano86j, AKE+17, AB16, AMPZ16, AN08, ACPI19, BDE17, BBC+17, BG12, Bae14, BRL19, BvdBM+93, BKB11, BDP11a, BMS01, BP02, BARM14, BFS18, BMFC07, BP01, BKG05, BGH+03, BRH18, BBC+12, BKS02, BMU18, BW13, BRM04, BS09, Boa04, BT17, BGMS17, BPAP92, Bru01, Bu18, BCB+07, CSV+12, CMZ+12, CSC+05, CYL+05, CLR17, CQW+19, CAC+10, CLZ+18, CLL+18a, CPP+18, C4CD07, CBK+01, CPD+15, CPE+17, CO03].
Based [CEGL01, CKK+04, CGH04, CFL+15, CLL+18b, CXZC18, CES+19, CTT+08b, CCS+10, CL+14, CYZK15, CJW16, CJG+18, CL+18, CLR18, CRYG18, CZH+18, CZZ+18, CYJ19, CY90, CY88, CMP+17, CS12, C10, CGS18, CGSV17, CLK11, CFF14, CSC+92, CDL18, CMZ+18, CZL+18b, CRTN17, CBDB16, DSS98, DZZ+15, DZZ+15, DCBF19, DVVD02, DE03, DMM+99, DMG+08, DCK03, DMPP16, DS08, DNJ17, DLDTGMMP16, DT93, DRNMC09, DV03, DR03, DA18, DMM11, DdM10, DLS+12, DNW+19, Dör05, DCC13, DFKKF18, DS04c, DK14,
DNPI4, EAA16, EBOY14, ET08, EO86, EMJ+13, EGAQ09, EPB18, EA17, FTK+14, FG18, FH13, FHYH15, FLT17, FCY18, FJA+18, FSM+18a, FJJ+18, FMV14, FSV+19, FHZW18, Fer13, FEP13, FTD17, FCC12, FMS08a, FRM05, FLPP05, FKC011, FW02, FWB13b, FA11b, FTH16, FCW01, FPP+18, FM10b, FSP+18, GAFFOG12, GHY+18, GAW+18]. based [GHW294, GSC11, GDJ+13, GA13, GSLI12, GAJP18, GOM98, GS15, GCK18, GJF+12, GMC03, GdLV030, GCCL18, GPJC17, GB10, GPV+14, GP11, GBE00, Gra01, GMP+17, GIK18, GMM+09, GWO03, GZ04, GGMS18, GGS13, Gto00, HIA18a, HO17, HDKC18, Hal88, HHL11, HKA+18, Ham19, HZC+08, HB08, HSM13, HPZL18, HZL18a, HLL18, HLF+18, HZW+18, HLW12, HUY+19, HAP15, HDO16, HAT19, HLYW17, HNKO18, HAF19, HAF00, HS+99, HSBE19, HHS98, HCFZ17, HBB09, HHK+16, Hoi93, SYS04, HIA+18b, HZL18b, 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, IASK14, IMK89, IS18, IOV+18, ISS+15, JLU03, JKAU19, JFDF09, JCMPMC+18, JGF18, JXC+19, JCSS01, JH16, JHC18, JL14, JLQZ18, JFZL17, JSMG18, JLY+18, JC09]. based [JEB18, Jun18, KG01, KZA+18, KIN+18, KMB+17, KVK+18, KKH18, KRD+19, KKB14, KKF89, KH19, KHM13, KOT18, KZA11, KA08, KRZ12, KD+16, KCK04, Kim18, KN06, KKV+99, KX11, KXS+16, KLJS19, KB00, KARP14, KMK+14, KS17b, KCH+13, KB16, KLV+18, KLV+17, KLS05, KP18, KYP4, LB018, LCH+11, LLYW19, Lau02, Lee04, LKG07, LLKF09, LLpC12, LJ17a, LKCS18, LY18a, LCL+19, LJ17b, LB18, Le01, LJY10, LRW01, LB09, Li10, LK12, LZXW13, LCL+16, LLC+16, LNY17, LYY17, LZL+17, LFL+17, LXL+17, LCW+18, LYY18, LOR+18, LZP+18, LW+18a, LJ18, LNK+18, LWK+18, LZ+19, LZZ+18, LW+19a, LY90a, LM07, LSYC18, LHB95, LN18, LW08, LXMW15, LWH+18, LMLA19, LRMS19, LKA+08, LJS05, LLZ07, LSH+11, LJJ+11, LWX13, LC13, LLS+14, LVLW14, LYL15, LCMX16, LW+18, LDS+18, LSL+18, LXM+18, LWYS18, LCH+18, LHW+18, LLGY18, LW18b, LNY+18, LGZ18, LDZW19, LS10, LBU+10]. based [LKJ17, LC03, LW+13, LL16, LWF+17, LSRR02, LZY+16, LSF+94, LZW19, LMH+09, MQW+14, MML+18, MWL18a, MYHZ18, MQW+19, MSS+13, Mac89, MJM+16, MCN+18, MLC+18a, MK17, MPH00, MM10, MHC14, MCSS00, MVRM08, MLC18b, MCT+15, MB18, MGM+18, MJ06, Mar98a, MLD08, MDB+18b, MSBA16, MPI+18, MLM16, MHZ18, MLE17, MJ00, MSX00, MBL+19, MLW+18b, MJRM16, MGA+18, MAH08, MA09, MCdA16, MSE19, MAP19, MKY16, Mor01, MMPM09, MW12, MWMA10, MCG+15, MRS18b, MK95, NKX09, NV11, NNRA19, NMA00, NRV+17, NSP07, NCS12, N501, NKB18, NH06, NLM+16, NUPA19, NZL+15, NJKH13, NHT06, NMC05, OdOD+13, Ob89, OCdAM07, OV+09, OPQ7, OMD+18, OBG+18, OB19, PO00, PHY+18, PNGFJ13, Pa06, PVB+13, PfR16, PC18a, PS10, Par06, PKY+17, PC17, PWP+18, PLW+19, PBC+11, PMCC18, PLGMCd18, PAB+14, PQBP17]. based [PSY+19, PTT12, PPS+18, PSP+09, PB18, PtLS+09, PSS01, PSSB15, PSK+10, PPAP99, PN09, PAK19, QZD+18, QWR+18, QGT+18, QZM+18, QCY+19, QP08, RCM17, RQN+19, RBA17, RGAT18, RDS18, RC13, RRP+14, RGGH18, RHH08, RT15, RS17a, RD14, RSY+18, RGSL18, RCMT18, RW18, SR12, SCL18, SPT+18,
SC19, SLTK19, SS13, SAGL10, SGGCR+16, SGR19, SM01a, SPK+07, SEH99, SYJ+19a, SHS+19, SMC18, SZC05, SD18, SH99, SJJR13, SGL99, SM03, SMC99, Sch01, STR03, SBH08, SG05, SST17, SZ12, STA17a, SMA08, SP18b, SRP19, SBLW14, SYT09, SCZ+19, SMSF18, SS17, SB17a, SGB+18, SB18, SSKK13, SCN+14, SIL+13, SAPA17, SCL14, SCMS12, SMM+14, SNA92, SKS17, SZZ+17, SM18, SYK+17, SCZ+14, SBK18, SMZ+16, SSS+17, SL+17, SDL+18, SZR18, SJL+18, SCH+19, Smn92, TTC+14, TX14, TF18, TJW10, TOD17. Based [YSL19, YCX05, YPHZ14, YXA+16, YWW+17, YL18, YGY+19, YWF+10, YMY+17, YL16, ZRZL18, ZSI08, ZAI3, ZWLI3, ZSZ14, ZZH+16, ZWHC17, ZCH+17, ZCX+18, ZCLW18, ZHL+18, ZX1+18, ZXZL18, ZZZL18, ZWML18, ZXM+19, ZZJY16, ZBL+14, ZLG+14, ZL+16, ZCZ+18, ZFC17, ZFC18, ZX1+19, ZCC14, ZDW+16, ZLY+19, ZSS+19, ZRZ+14, ZsTZ+17, ZL18, Zn18, ZWGC19, ZL04a, ZMN99, ZDW+18, ZWMC19, dSBN19, dLALLA13, mM95, KKH19, PMDS18].

Based-wireless [HKA+18]. Bases [Wie85, ABTF16, GZS14, NSI14]. Basic [Dek86, LM90b]. Basis [HAAH05, NK05, SOR05, TSBH11]. Batch [Zin18]. Batch [SS13, WSQ+16, AQB15, JLL17, LH07, SVN10b, TF18, VCD+18].


Before [MAJ18]. Began [Bur02]. Behave [NMC05]. Behavior [BP01, CJHH13, BDWM17, BSG+05, CMEA+19, FFGP+19, FM10b, JM02, LRJG19, Lee12, LNB14, LJW+19, RW+13, SHRE16, SZ12, TIHT14, WU+10, WW+17, YHH+19, ZCZ+18, ZZ09].

Behavioral [Ale97, CPP+18, CWJ16, KMK+14, MS01, NJ17, NMC05, SBCF16, SSA+19, WNR19]. Behavioral-based [KMK+14]. Behaviors [ABD+19, WTG+14]. Behaviour [HIA+18c, PRW14, Sch01]. Behavioural [RT16, PALLA18, PLA18]. Behind [DMZ12].

Belief [KLJS19]. Belt [UTC+14]. Benchmark.
Benchmarking

[DFGR14, EGCY+06, GVDT16, MML018, PPS18, Por95, TDBR18, Wri19, CCD+10, ECA+18, LSB+18, TZQ18]. benchmarks

[GMB19, WYJ99]. benefit

[BGV97, MEBA12, MVT+99, SC16]. benefit-aware

[KK14, PNGFJ13, SC19, VVB11]. benign

[BDL01, KSB97, MEBA12, MVT+99]. benefit

[BB17, MAA18, SK12]. Binary

[XZL17, LLZ16, CW14, DX14, GS16a, KKA19, MCR16, ShA16, ZS16]. big-data

[BGI14, ZYY+18, ZQB18]. Bigdata

[BWA18, ZEH05, AMI90, FGC07, Kol89, FS18, GQLX18, GSY+17, HPGM18, HZD19, HSU14, hhsZwJW18, HHZ16, HXL+18, IAM+18, JH16, JHC18, JLC18, KOP+17, KP18, LFP+17, LLZ+18a, LZH+18, LW+18, LYZC15, LSHW17, LW+18, MWW+15, MLC18b, MVL+18a, MPC15, MGM18, NJ17, OFD17, OsM19, PPFC16, PVSS17, PYM18, PPS18, QGX18, QCX18, RTHB17, SB17a, SBA+17, SBD+18, SZD+17, SSZ+17, TZQ18, TF18, TWZP18, WXPL17, WMY+18, WLH18, XB14, XFM16, XTF+19, YWCC18, YZG+18, YSHM19, ZYY+18, ZFS+18, ZHL+18, ZW18, ZQB+18, Zhu18]. BIG

[PPS+18, AKP+18, CRW+16, CW16, DX14, GS16a, KKA19, MCR+16, ShA16, ZS16]. big-data

[BGI14, ZYY+18, ZQB18]. Bigdata

[WLZ+19]. BigFlow

[YSBN19]. bike [TCH19].

[bilinear] [ZZ15]. bill [MD12]. billing

[MK17]. Bin [BB17, MA+19, SK12].

[GGG19, SBCF16, CC98, HWXY18, LLZ07]. binary-search [CC98].

[MLL15, MLBS11], Bingham

[Ned06]. Bio [FM10a, ZEO98, Kim18, PMBS14, XZZ+14, ZYW+18, LWHC07].

[Biologically] [Pet95, Meu05].

[Pet95, Meu05]. Biology

[Bioinspired] [MFE06, BCMA07]. Bioinformatics

[SF06, BCMA07]. Bioinformatics

[DP17, ABM17, CCM07, CRSD10, EDH+13, KTK17, MCM+18, SSS02, SBAD+18, SLS+09]. Bioinspired

[CCMGF18, CCLGM18]. Biological

[MB01, YD05, AMI90, FGGCM07, KOL89, MPO2, PB17, SWW+13, WRBG09].

[Biologically] [Pet95, Meu05]. Biology

[LS+07, AV00, CCBR98, CScDM17, Gue01, KG01, SJTG07]. biomarker
Biomedical
[CRSdS10, AIA+18b, CSC+05, CMD+14, DMPP16, KTTTK17, Ros89]. Biomedicine
[ABM+07]. Biometric
[Alp18, KHMBl3, AHM+18, BWR12, GEAR13, Ham19, KZAI11, LTJK12, LK12, MR00, NWMG17, Sar18a]. Biometrics
[Aleh7, BW13, FFC12, FHZW18, Kha12, KS18d, KLW+17, LNK+18, Pol99]. Biometrics-based
[FFC12, FHZW18, KLW+17]. biomolecular [NJW+06]. biopsy [BDS+10]. BioSim
[CSC+05]. BioSimGrid [NJW+06]. bipartite [QGX18, TJ18]. Bishop [Ano86]. bistability [vdR87e]. bit
[KHJ10, KKL09b, YYF+13]. bit-rate [KHJ10]. bit-store [YYF+13]. Bitcoin
[HCW+18, VSM+19, ZMH+18]. Bitcoin-based [HCW+18]. bitmap
[CH10, SK04]. bitonic [GDA18]. BitTorrent [AY16, HWZL08, WSU+10, WFC07, WLQ10]. Black
[VVB13b, SHB89]. blackbox [CML+14]. blackbox-oriented
[CLL+14]. Blanc [OBG+18]. blank
[FZT+18]. blast [YWA+89, BPC+01]. blending [ZY04]. blind [ZaTZ+17]. block
[BFK02, CLR18, EV98, LCP04, MYH+18, RP18, SHJR04, VF01, VFS01, ZSW+18a, mmm05, vm94]. block-preconditioned
[VFS01]. block-structured [BFK02]. Blockchain
[MJGW18, SP18b, Che18, DKJ19, KS18b, LBJ+18, MQN19, RMC+18, XLL+19, ZWX+19, ZWG19]. blockchain-based [XLL+19, ZWG19]. blockchain [HZLH19]. Blocking
[BCH+08]. blocks [GLSV07]. blog
[ZWWL18]. blood [HORC04]. bloom
[ZL13, ML17, SGB+18]. Blue
[KBVH14]. blueprint [JYY+17]. bluff [SDSP04]. Board
[Ano19b, Ano19c, Ano19d, JBP+18, Ano84g, Ano86f, Ano87i, Ano88c, Ano89e, Ano90f, Ano91d, Ano92g, Ano93h, Ano94f, Ano95g, Ano96d, Ano97c, Ano05c, Ano05d, Ano11c, Ano12j, Ano12k, Ano12l, Ano12m, Ano12n, Ano12o, Ano12p, Ano12q, Ano13f, Ano13g, Ano13h, Ano13i, Ano13j, Ano13k, Ano13l, Ano13m, Ano14e, Ano14f, Ano14g, Ano14h, Ano15k, Ano15l, Ano15m, Ano15n, Ano15o, Ano15p, Ano15q, Ano15r, Ano15s, Ano15t, Ano15u, Ano16m, Ano16n, Ano16o, Ano16p, Ano16q, Ano16r, Ano16s, Ano16t, Ano16u, Ano16v, Ano16w, Ano16x, Ano17j, Ano17k, Ano17l, Ano17m, Ano17n, Ano17o, Ano17p, Ano17q, Ano17r, Ano17s, Ano17t, Ano17u, Ano17v, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano18l]. Board
[Ano18m, Ano18n, Ano18o, Ano18p, Ano19a]. Body
[AS18a, FPPD14, AOSO14, AMK18, CJ14, FP14, HLYW17, IASK14, SCS+18, SVA01, SdSP04, STA+17]. body-sensor
[AS014]. BodyCloud
[FPPD14]. BOINC
[FKBG10, VKK14]. Boltzmann
[ABL04, CM99, CH04, DSO4b, DY04, FPdS04, HORC04, HRJ+04, IEO04, KKHS01, NCS04, SdSP04, vdS04]. bonds
[BR04]. bone [BPP+07, RMM+98]. BonFire
[GCY+14]. Book
[Ano93c, Ano93b]. Boosting
[GCBM17, KMV+15, MWYC12, PH94]. booting
[SPSP17]. bootstrap
[DDJ+13]. borne
[SM18]. Boston
[vdR87k]. both
[FB93]. Bound
[MGM18, BM12, JS99, VD16]. Boundary
[AS18b, BS04, DSO4b, Kn189, SK04]. bounding
[PYH+18]. bounds
[LSC18]. Boussinesq
[Tab06]. box
[CSDG+18, VBV13b, ZSW+18a]. BPM
[SJV+15]. BPMN
[GHL18]. BPSO
[KP18]. brain
[ABS+18, ASF18, GRS+19, KZC04, MLS001]. brain-computer
[ABS+18]. Branch
[MGM18, PGCC+10, BM12, JS99, VD16]. Branch-and-Bound
[MGM18, JS99, VD16]. branches
[LTOT07]. BRAVE
[RBC+88]. breast
[WZH+19]. BRelax
[SSG17]. bridge
[SB16]. Bridging
[Bha18, DHC+17, NJKF18, SG17, KH19].
brief [Miz89a], brighter [SM10], Bridging
[ZS05b]. Bro [KBdLG18]. broadcast
[HZ10, WSQ+18], broadcasting
[KY04, LRZ+18, VS90, YY11]. Brockport
[Lit03]. Broker
[AWN+13, ABG02, BS11, FA11b, MSBA16,
MGG+17, PKY+17, RGC+10, SAK+10].
brokerage [CCIP18, GPA00, OG18].
Brokering [BB17]. Brokering
[ACCD17, CS12, ET08, TMMVL12].
brokerage [CCIP18, GPA00, OG18].

Business-driven [MB16], Business
[BBWB+18, BBLP05, DGST09, HMZ18,
SD06, WAD+89]. capability [ZCL+18].
capable [PvSS17]. capabilities [JLL17, Li15].
Capacity
[AMD08, BB17, CMB17, HMIH17, KIC12, RZ16, Bha18, CWL+18, GBRM18, KCM19, KMT18, Tho06, WWC+97, dACNC16].

Capacity-driven [RZ16], capillary [APRC16].
capital [NZOCJ+19].
capsule [KHO+19].
CAPTCHA [GPV+14, RM16].
caption [DQXW19].
capture [Asu13].
car [BBC+99, KXS+16, LLN+18].
carbon [Tor04, VVC+12].
carcinoma [MGAA18].
card [AHdJF97].
cardiad [CAC+10, DMM+99, DNW+19, KE85, SWW+13].
cardiological [KKS+18a].
cardiomyopathy [DNW+19].
cardiocvascular [NDA+19]. cards [Ale97, BGV97, CHS11, DQ97, DF97, HJC05, NWMG17, SGCCR+16].
care [ABC+18, CAS+18, MRS+18a, NDZ+18a, NDZ+18b, NDZ+19, Pol98, PPAP99, SPS18, BS11, SAK+10, BGMLS17].
Carlo [BST+08, CPGdS+13, CPGBG16, DDJ+13, JH16, TMTY05].
carpentry [ST08].
carpooling [HK+17].
cars [MH+16].
CartoonPlus [JHC10].
CAS [GI07].
CASA’2003 [GI07].
cascade [GJY18].
Case [MW12, SGN+17, AR18, Asu13, BBSV92, CGN18, CFF14, DDMPG17, EGCY+06, FGG11, HMA18b, KE85, MMV08, MNC+18, MKS18, MOGF18, RR+14, RHH08, Rou00, SHS+19, SMI01, SB11, VM93, WX02, WLH16, WRCC17, WM07, XLL+19, ZDL+13, ZXL14].
case-based [VM93].
casein [vOB95]. cases [de 94].
catallactic [JRF+07].
catalog [GML99].
catalogs [OF0+99].
catcher [BSE+13].
categorizing [WLW+18].
Category [LY+19, GGLW18, HZ17].
cations [DRS04].
Causal [HK818, MFT+17, AMH04, TSWL17, ZCT+04].
cause [CPP16, DLIW07].
caused [MHW+16].
CAVE [DDS+09, MVLvW98].
CAVE™ [WKF03].
cavities [DJN17].
cavity [CAS05, VVVCV94].
Cayley [DR03].
CCA [ZSW+18b].
CCA-secure [ZSW+18b].
CCBKE [LZYC13].
CCGrid [KZ17, LBR02].
CCTV [LHJC18].
cDBN [Jun18].
celiac [KHO+19].
cell [BVDF00, DPK+19, EAA16, GL95, Pal01, SJTG07].
cell-vertex [GL95].
CellML [CAC+10].
CellML-based [CAC+10].
cells [BPP+07].
Cellular
[Ban02a, BP02, BMS05, Ban02b, CM99, KCT97, MUR88, PIKM02, TSS99, TA18, BMPS01, Ban05, Bog99, DRS+97, DS99, DDL01, FLP05, FW02, GZ04, HRSW99, JM02, Mar02, PSL+04, Pud01, Ser98, STK02, ST09, TSZP09, Wor99, CDRS05].
cemetery [MCA02].
CenLocShare [XCS+18].
Center [BMK+14a, CIN94, GDS18, HDB18, KAEC+18, LN13, LWD+14, LGL+17, LGY18, LW+13, Man15, MP17, NKP16, SPT+18, VOS12, XD+17, YPL17, YGW16, ZGL19, ZWJ+18].
centered
[ABZ15, AB19b, AP96, JNS+19, NRR+15].
centers [AAACJ+18, AK18b, BAB12, DKK+13, FNCR11, GS16b, GBS+12, GFW+18, Han03, LSYC18, LW+18, POU+19, QMSG12, RT15, SL+15, SBL+17, SLZ+18, TDC+14, VTTK17, WTR+13, WWQ+18, ZHH+16, ZXD+19, ZAC+18].
Centrality [LG18, ADVAGF18, GJY18, LXM+18, MBM18, MCSA18].
centralized
[XCS+18].
centre [Gal87, BT93].
centred
[AMBO3, LAS16].
Centres
[CA+18, WCH+18].
Centric
[WSQ+18, APBD17, ACL+18, AT18a, AHN+18, BS17, DGE+15, DMM+18, DGD15, GLZL16, GCM16, GCM18, JTS13, LKN+13, PIP18a, QGT+18, RLL+17, SST18, SSK18, SRKLS18, TGM+19a, TG+19b, WLL+14, ZW10].
Century [Mar98b, MAR98a].
CEPSim [HCB16].
CERN [NNLH18].
Certain
[YH18].
certificate [LL16].
certificate-based [LL16].
certificateless [LHO17].
certification [CB10, JLU03].
certified [LJ13b].
CFD [LF95a, LZX16].
OBG+18, SLZ95, WS05, YHJC05, CG
[KLP19]. CG-E2S2 [KLP19].
CGLXTouch [PDW+11]. chaff [KHMB13].
chain [ABMM18, AB19a, ABGMC19,
BNP13, BBL+05, CLL18b, Che18,
HHXL13, JLQ18, LB1+18, SLL+18].
chain-generated [HHXL13]. chaining
[SLY+19]. chains [JFDF09, JLMR00].
Chalk [GDRS04]. Challenge [KZA11,
BKM03, Her87, Rum99, STMV18, SGM11].
Challenge-response-based [KZA11].

Challenges
[Ald89, CCR18, CDFW18, GSH16a, GRL11,
JCI15, Jun17, KMU19, MWW+15, PWA+19,
SJTG07, YS16, AUSA19, AR17, ALK15,
AC10, Ano84h, ALL+18, BHD09, CAC+10,
CRSdS10, CCIP18, CSC18, CBBC+17,
EGVT18, Eng14, FFC+18, FS97, FJKK17,
Free94, GFD14, Hul89, KS18b, KAW12,
KLH+18, Kol89, KARP14, KB09b, LGS+07,
Mek05, NS10, OFM18, PYM18, PDH18,
Pet89, RdLM06, Rho89, RLM18, SP18a,
SJV+15, SWY+18, VCE+19, WWV17,
Wil89, WGX+19, YHA+19, RMC+18].

Changes [ALL+18]. change [FWB+13].
changes [BJ3+06, BNJ16]. Changing
[DMS997]. channel
[ABS+18, CWW+16, DS04b, DJH+19,
GQXL18, SWW+13, YN18, SG05].
channels [AJZ+02, Dua94, GHMX10].

Chaos [AIA+18a, XRPT18]. Chaos-based
[AIA+18a]. chaotic
[Gl07, KLB+16, LWK+18]. character
[CSC+05, LJ19, TJ18]. character-based
[CSC+05]. Characteristics
[YXY18, MPP13]. Characterization
[AHD+19, ZCT+04, BARMB14, KRD+19,
KB00, PLGMCdF18, VEET18, dSFP+17].
Characterizing [GdVC10, JTB13, JCD+13,
KFC+07, MMS+13, WHW+17]. characters
[SK04]. Chargeback [BK8+14]. chargers
[CZM+18]. Charging
[SRI+03, HZLH19, YHL+19]. Charlotte
[BKKW99]. chat [MSK03, DS00]. chatbot
[CPMG19]. Cheap [HWS07]. cheating
[DLMS15]. check [Che13b, LZL+17].
checking [LXJD18, LYT+05, PSS13,
RWW+13, SYY+17, YNZ+15, YXA+16].
checkpoint [Dal06]. checkpointing
[BCH+08, CPGdS+13, CRVZ15, FC05,
FMSSM12, FRB+14, KJKJ10, LBB+19,
LM12, RPBMG10, RG04]. Chem [GAB+96].
chemical [CHWW13, MSKT07, SBLT05].
chemically [DY04]. Chemistry
[Höf03, Bro92, GAB+96, LDSH95, ZDL+13,
GMB+05]. Chichester [vdR87d]. children
[XL19]. Chilling [BCM+95]. China
[HPZL18, PWP+18]. Chinese
[TJ18, ZWWL18]. Chip
[MBM18, BFP18, CPSD18, SF06]. chips
[MPH00, SG19]. CHIS [CCMP18]. choice
[BHRT98, SC16]. choking [AY16].
cholangiocarcinoma [ZMZ+19]. Cholesky
[IST04]. CHORUS [AGP+92].
CHORUS/MiX [AGP+92]. chromosome
[hKBB11]. chronic [HEES19, VFHB14].
chronological [MPP13]. Chunk [ZZJ17].
chunking [WLA17a]. CIIAM86 [vdR87b].
CineGrid [DGdL15, GHO+11, KGDdL11,
LSH+11, WdL16]. cinema [SST+06]. CioT
[GTEL+18, ZZX+19, ZZLZ18]. cipher
[ZSW+18a]. ciphers [MHL+18, SHJ04].
Ciphertext [JSMG18, Rao17, LDZW19,
QRW+18, LAL+15, LHL15].
Ciphertext-Policy [Rao17, JSMG18,
LDZW19, QRW+18, LAL+15, LHL15].
ciphertexts [WXYL16]. circuit
[AEK+18, BJNH05, GDM98, GDRS04,
IdLR01, SKT02, VWC05]. circuits
[CFVP03, Dö05, WSTW87]. Circulation
[HHG05, CS93, WJZ+17]. circumstance
[ZLY+19]. Circumventing [DC17].
Circumventing [DC18b]. citation
[HHL11, HQ10]. citations [CZ14].
citie [AT18b]. Cities [HSS17, RMSPP17, Sta17b,
APBd17, AR18, HCZW17, HMA+18a,
HMA18b, KAS+18, KS18d, NWL17, Osm19,
RGSL18, UGBM+17, GMLGB+17]. Citizen
citizen-centered [AB19b]. Citizen-centric [APBdI17]. City

[MPI+18, RPA+18, BBC+17, CCC19, DDMPG17, EAED18, GAI+18, KPA17, LNK+18, LSV+18, LLW+18b, PC17, SP18b, TWZP18, TCB+17, WHBC19, XYLZ18, YJ18, dSK+19, vVDBB98, CGSV17, FAMA+17, hKRM17, UPP17]. civil

[AB19b]. Clairvoyance [BOP+14].

CLAPP [GNGG17]. class

[Cie04, DKK+13, GS13, GD10, TKT+08]. classes [CMB17, JOPW14, PSLZ18]. classic

[MCA+18]. classical [MAC17].

Classification [BD18, MWQ+19, ZXM+19, AHMS18, AGA18, CHJ+04, CLY14, CD99, DH16, EP13, FTK+14, FMV14, GLVC18, HMA18b, JOSD19, KMK+19, hKBB11, KLo05, LXL+17, LLWN04, MG14, MRS+18a, NUPA19, PRW14, RGGH18, RD14, SD18, TSRG17, XZZ+18, YARH18]. classifications [Bag18]. classifier

[KLV+18]. classifiers [WLW+18].

Classifying [BCMM18]. classroom [Kim18]. Clause [LY90a]. clean [MRL14].

CLEM [CJN+15]. Clickstream

[FFGP+19]. Client [ZW10, CGL08, CSL18, DSD+11, KuRak+18, MG14, PA01b].

Client-centric [ZW10]. client/server [PA01b]. clients [LH13b]. cliff [SCH+19].

Cliffs [vdR87h]. climate

[BNJ16, FQBCF15, GP09, MLC18b, PWB+13, FNA12]. Climate-G [FNA12].

clinic [PPAK09]. clinical

[CPE+17, JNS+19, LDY+18, OCAdM07].

cloaking [NZL+15]. clock [AC92]. clone

[SMRM13]. CloReXPa [DL14]. closed

[HXY13]. closed-form [HXY13]. CLOSER

[CCRL18]. clothing [HYC+18]. Cloud

[ASAB+18, AASI17, ABTA18, AJAJ17, AM17, AKB+18a, ACCD17, AMPZ16, BB13, BdDPP16, BCJT13, BYV+09, CLRL18, CHWW13, CRM+16, CDL+16, CPD+18, Cha14a, CKR16, CDFZ16, DMC+19, DXA14, FMN+17, FSV+19, FPP+18, GAW+18, GJ15, GBRM18, GTCZG+18, GMP+17, HMH17, HMM18, HSBE19, He16, HX1+17, HMA+18a, IASK14, JC15, JY15, JTBS15, KIMR15, KLV+18, KJ18, LSB+18, LSD+17, LOR+18, LJGW16, MID16, MPI17, MAB+15, MM18, Pa16, PN13, PLLA18, PDH18, DLS14, RAA+18, SV16, SST18, SGN+17, SS17, SZK18, SAPA17, SPKG18, TMW+17, TMMVL12, VLAC+13, WBKL16, XDWL15, YG18, YHL16, YWZ+18, YARH18, YAP16, YXA+16, ZAC+18, ABZK15, ABMC18, ANA16, AA18, ANG+19, AAAQJ+18, ASFH+18, AFSH+19, AMQS+19, AEK+18, ADA+19, ASO14, ALK15, AL18, AMGCC18, ABP18, AMMC18, AMK18, Ano12r, AB16, AAD+13, ABN17]. cloud

[ABDO18, AMS19, ADDV16, ALL+18, AK18b, BKS+14, BDE17, BFN18, BMU16, BKS+18, BFS+17a, BFS+17b, BC15, BBC18, Bel16, BPC+14, BT17, BB12, BDH14, BR10, CMX+16, CA15a, CV19, CDG+14, CLZ18, CMB17, CCP18, CTR+17, CXDM18, CFG+19, Cha14b, CFL+15, CRW+16, CW16, CLL18b, CM17, Che13b, CWSW14, CLL+14, CAC+15, CXL+17, CLR18, CCY+18, CW13a, CGS18, CGL15, CPSRG14, CR14, CBLS13, CSQ17, CL18, DC18b, DZZ+15, DJZ+15, DRC+19, DST14, DZL17, DMP16, DEG+17, DLL15, DHL18, DR18, DCC13, DWS12, DSPA18, DHC+17, DCMW17, DJ13, EBOY14, EAS+18, Erd13, EP12, EMJ+13, EPB18, ECA+18, ETR+13, EA17, FH13, FHLYH15, FCY18, FLR+16, FSM+18a, FJL+16, FQBCF15, FLR13, FDP17, FEP18, FP18, FKT14, FM17, FP13, Fr14, FCD+14, FSP+18, GGTTRRC16, GPJA+14, GVBG17, GEG14].

cloud [GVBG13, GJGB19, GJJ13, GSL12, GAJP18, GSJ16b, GJF+12, GCC18, GB10, GTS+14, GPS13, GMP+18, GJKP18, GFW+18, GLB+18, GGC18, GGS13, HIA18a, HFM19, HSM13, HGG+14, HQH16,
HZL18, HHK18, HLYW17, HCNT14, HZL+19, HHK+16, HCB16, HNZ+18, HZW+16, HYS17, HYS+18, ICDJ11, IS18, IKL+12, IGB+14, JAAD+16, JTB13, JTS13, JBR+16, JCL+15, JZJ+18, JMG19, JEB18, JOSD19, KS18a, KZ17, KC14, KRD+19, KYB+19, KMT14, KKKM13, KAW12, KCS14, KADJ14, KLH+18, KACN16, KARP14, KMV+15, KTTK17, KKKM18, KKKM18, KGLY15, KSI18c, KLT+17, LBD18, LCH+11, LCL+19, LXD17, LLW+12a, LJJL13, LCHW14, LXK+14, LHY+17, LPY+18, LFL+18a, LLWW18, LYY+18, Li18, LAL+15, LSYC18, LCL14, LXMW15, LHX+18, LWL+18, LYZC13, LYZC15, LYL15, LHL15, LCMX16, LPL+16, LSL+18, LDY+18, LCH+18, LNY+18, LZZL18b, LYL+19, LPBB+18, LHBC16, LSJ+14, MZH+17, MG14, MG16].

cloud

MK17, MGT18, MFR13, MHC14, Man15, MCT+15, MYW+19, MAJD18, MKK13, MBMTR18, MDB+18a, MKH13, MFR+14, MNY+19, MSBA16, MML16, MHZK18, MFG+14, MRH17, MMYVP13, MA+19, MCDA16, MSEE19, MDM+13, MYK16, MWL+18b, MCG+15, MBV+15, MCWP16, Nag16, NRV+17, NCS12, NCC+19, OdOD+13, ODK+17, PZA18, PB+13, PC18a, PVN+12, PLA18, PFP+12, PKY+17, PPS18, PBA18, POJ+16, PTM+18, Pon19, PPB16, PK+18, QNCY17, QCD16, RGAT18, RT16, RZ16, RT15, RQ17a, RPI18, RHPV17, RMJ+18, RTS+16, RGBG15, RMMG17, SRZD15, SF19, SB14, SPD+19, SJ+15, SHRE16, SBAD+18, SBK+16, SJWT18, Shal6, SDL+15, SY+17, SAR18b, SV15, SG14, SKS17, SRK518, SMI18, SYK+17, SB16, SBP+17, SMS13, SBL18, SMZ+16, SLZ+18, TCC18, TLT+15, TSWL17, TDLC17, TOD17, TDL+18, TK+18a, TBB+17, TCBPR16, TCB18].

cloud [TYWZ18, TMS+17, VB18, VPP+19, VSDD13, VCDK18, VSP+14, WMO13, WWCN13, WWC14, WXYL15, WCF+15, WMK16, WZZ16, WMX+17, WCL+17a, WWDF18, WJS+18, WMY+18, WXZ+18a, WXZ+18b, Wan19, WLA17a, WLA17b, WLA18a, WCC14, WYH+17, WXCH17, XX14, XKB18, XWM18, XTT18, XWL+18, XW]ZY18, YMW+18, YYY+13, YLHJ14, YSC+15, YLN15, YWL+17, YJS18, YSHM19, YN18, YKK13, YAGG18, YNY+14, YZN+15, YGYW16, YYLC10, ZRZL18, ZYX+18, ZLZ+13, ZCL+14, ZME+15, ZHZ+16, ZCS+16, ZWHC17, ZHHC17, ZZZL18, ZZXL18, ZCZ+18, ZWD+16, ZZZ18, ZFH+18, ZLY+19, ZZZ19, ZaTZ+17, ZZZ17, Zhu18, ZWGC19, ZL12, ZQQ+13, ZBF14, dSBN19, dACAM13, dACNC16, BAB12, CFVP12, CJN+15, CPF14, CPP16, DDJ+13, DHC+17, ENC+12, FG14, FP14, FMRS18, IG12, JS12, JBR+16, KKB14, KMK+14, KS17b, LLAH13, MGR11, MEBA12, MBS13, NJH+18, PMPC13, PMDS18, SMBMT+18, SG15, SMZ+16, SY18, TCM+14, WML17].

Cloud [YNSM12, ZLR+15]. Cloud-assisted [HMA+18a, LYL+19, WXYL15, ZYZ+18].

Cloud-aware [GJ15]. Cloud-Based [HXA+17, APZ16, CPD+15, FPF+18, GMP+17, LOR+18, YARH18, ASO14, BDE17, CFL+15, DMP16, EPB18, GGC18, HLYW17, HHK+16, KRD+19, LCH+11, LSYC18, MK17, MYK16, MCG+15, PC18a, PKY+17, TKA+18a, TYWZ18, WZZ16, WJS+18, XKB18, XTT18, YM+18, YN18, ZZXL18, PMDS18].

cloud-computing [ZLZ13].

cloud-connected [RHPV17].

cloud-distributed [AB16]. cloud-edge [CFG+19]. cloud-enabled [TOD17].

cloud-end [DZJ+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].

[SvAS01, BBW08, BVDF00, Dal03, GIM16, LPB04, LRW01, Niw89]. coding [CJXX19, CCM98, HJK+04, LSD11, LYS12, SMC99].

coefficient [SLD+18, ZWZ19]. coefficients [Tab06]. coevolution [LD17].

coevolutionary [CZY+18]. Cognitive [AT19b, MK19, ASAA18, AS18b, BKS+18, BMK+14b, CLH+18, Che18, CGM+19, HMW+19, HQ07, LLW+19b, NDZ+18a, NDZ+18b, NDZ+19, TSD18, WLZ+19, ZYZ+18, GTEL+18]. coherence [MVL18b].

Coherent [Tu04]. COHESION [SBHD08]. cohesive [QC18]. Collaboration [ASW11, DPDS14, GFD14, BJM+17, BAPS14, BP10, HKU+11, HLL+11, HYS17, HYS18, JHL+06, LHZ+18, OPT+17, POJ+16, RMA+16, SS04, SKF+11, SLDK03, UNM+16, WTP+13, YLJ+17].

Collaborations [TAB+18, EYY19].

Collaborative [BGJ+06, BDF+16, BLAV06, FGW+19, HGM15, HAM18, LZY+19, PLJP19, SZP00, TWC+06, WWTF18, WYL+18, BRXdS11, BPS+03, BDM011, CPE+17, CSL17, CMP+17, CNP+19, DMPP16, DFRW17, DV13, DPS16, DKFKF18, FLR+16, GMP+16, GP09, HB09, HAB+06, IGB+14, KZA+18, KPB+03, KKB18, KIAD17, KWK16, LPC+95, LCL+16, LCW+18, LQLX10, LGS+07, LHCC18, MZH+17, ML11, MVG18, MOBD18, MED16, NRR+15, PS10, PDW+11, RW18, RJJ+09, RRH16, SHBP10, SCY01, Sip12, SCL14, SLJ01, TQL+19, VGBLGS+06, VWD+08, WCVL12, WLB11, YLC+06, ZL13, ZCZ+18, ZRZ+14, ZL04b, ZBF14, dfVFPSHL+14, FGG13].

collaboratively [GZS14].

collaboratively-built [GZS14].

Collaboratory [BAD+05, LRJ+06, LJP05, SGP+09, SBdL09, KFP+02]. collapses [KMC18].

collating [AB18b].

collection [DGCCH+17, HMM18, HYC+18, KC19, PPS+18, TSTL16].

collection-processing [PPS+18].

collections [AFP07, GB99, YDK11].

Collective [Jun17, CFGM16, JMO2, NSI02, SSST17, Szut08, Szut01].

collision [CMZ+18].

collusion [LXJD18].

collusive [ZZH+18].

Colonies [TRFR01].

colonooscopy [MGR18].

Colony [PW09, PT16, TA18, CZL+18b, DS04c, FZHH14, HXWW18, HLZ18, TV16, WZ13, X LW+17, ZHQQ18].

Colony-based [TA18].

color [DNW+19, GPV+14, MSM+18b, RM16].

Colorectal [KMB+17].

coloured [AEM10].

Columbus [Gra92].

Column [GVA+16].

COMA [SWC15].

Combination [CWJD19, LLW+18a, WQZ19, WL05, XRPT18].

combinational [CWW+16].

combinator [WGL92].

Combinatorial [MMH17, Sch03].

Combine [LL03, SDST18].

combined [HJK+04, SMBMT+18, ZS05b].

combiner [MLC18b].

Combining [CPGBC16, CFGM16, Che13a, DMC+19, LC01, MWPVB12, OCW14, FZHH14, GY90, SK12, WZWC19].

CoMD [PAL+19].

CoMe4ACloud [ASAB+18].

COMFIT [dFBP+17].

comfort [Mat18].

comfortability [WPS+18].

command [KTY03].

Comments [WC06b, WC06a, CXZC18].

commerce [ABCD00, AS99, KF00, ZL18].

commercial [CBN16, Mar86, SM+14, TKA+18a].

commitment [KKL09b].

Commodity [JBP+18, GVD+03, KDH16, KLT14, SVB07, WTC+02].

Common [GAB+14, CZ14, DLW07, FB93].

commons [BFN18].

communicating [MZD+16].

Communication [ADALZ14, CSP98, DKV14, DSH99, Kal94, Tis07, ADOKM06, AKG+17, Bag11, BCFS02, BWR12, BTM10, CST92, CDDR17, DSBC19, DPP03, DT94, DdM10, EAA16, GQLX18, GXL+12, GZL16, GVBG17, GSS5, GBY16, GD93b, HAAW+18, HO02, HML+06, HJK+04, JAA07, KH19, KJM19, LR06, LW+16, MCN+18, MD92b, MTKS00, MRV01, MWL+18b, MCG+15].
Pag99, PR95, PSK+10, PPAK99, RPA+18, RHPV17, SRZD15, SCEC18, URKM19, UPP17, VSKS19, VCDK18, VV16, WC01, WPGN+18, WTC*+02, ZDR07.

Communication-efficient [Tis07].

communication-layer [WPGN+18].

Communication/networking [GXL+12].

Communications [DVV90, EYY19, AMN18, CFVP12, CYH04, GZL+18, HSC15, HCHH19, MHY+18, QGX18, RGDM16, SAGGB17, Ste94, WQ14, WSZC18, WGX+19, YXZG18a, dSBN19, SHJ06].

communities [BOHCC17, DMPP16, FK11, HSB+18, PRSR14, RSSD02, Var00].

Community [Car86, LBB+09, RMA+18, BFN18, CW JD19, CGL+10, FPPD14, FLN+18, GP09, GG10, HBN+13, LFL+17, LJJ18, LLZ+18a, Mar99a, PPH*09, SOD18, SBG+09, SJL+18, YMLT13, ZDL+13, ZCL+19, HRR+14].

Community-Aware [RMA+18, HBN+13].

community-based [YMLT13].

community-driven [SBG+09].

Commutator [CMO03].

Commutator-free [CMO03]. companies [STMV18]. Comparative [CA15a, TAHS14, Bal92, BMU18, DNW+19, GRS+19, KDE04, OdOD+13, OP97, SK06, ZMM07, ZN12].

compare [CW16]. Comparing [HHS+18, KGX95, PFS+13]. Comparison [CHS+18, MF G+14, MOFGP18, VSt95, BNZF08, CCG07, JS13, KBVH14, KS17b, STP+05, SI18, ZTKF17]. comparisons [BORM07]. compatibility [SSB05].

compatible [DMMP98, GA13, HDLW13].

compensation [LZLL18a, LZWF19, YXY18]. competency [KRZ12]. Competent [DD86].

competition [JLQ18, SI+13].

Competitive [AGKZ18, LL04c, PS10, SSL12, WPJ16].

competitors [Ano84h]. Compilation [BM00]. compiler [CMT01, DSS98, GMB19, LJS17, LY90a, Por95, SO98].

compiler-based [LY90a].

compiler-controlled [DSS98]. compilers [EGCY+06]. compiling [ZS90].

complementary [PRS12]. complementing [RS16]. Complete [CC07, BP13, KJ18, MCQ+07, MSM+13].

Completely [GMM18]. completion [CND+19, CD803, LZ10]. Complex [BSK98, BCD+18, CCMGF18, CCR18, CCKW88, HCB16, LJJ1a, Sdr99, WH05, AB01, BKB11, Ball6, BJWZ08, BWR12, BW13, CSC18, DS99, FGCM07, Fer13, Fre94, FPP+18, GJY18, HAAH05, HSB+18, JSZ+19, MB01, Men05, MS018, PK1+18, RWY+18, SW17, SJTG07, Sun10, SJL+18, WSZH18, XSM04, ZYT15, ZSP17].

complexes [CGV10]. COMPLEXIS [CCRL18]. Complexity [GMMM18, ABP16, GVURIVBV14, TW+18]. Compliance [SS17, HHL11, LCCM18, Niw89].

Compliance-based [SS17]. compliant [LLCF11, SYT09]. complicated [LHC03].

Component [BR18, APA17, AAC04, ACPI19, BKSS02, Fio06, GW01, HIA18a, Lee04, LKG07, LASL16, LTZ15, Par06, PSS01, PSBB15, Reu03a, SVN10b, Tak05].

Component-based [APA17, ACPI19, BKSS02, LKG07, Par06, PSBB15].

Component-oriented [BR18, Tak05]. components [CY88, DD05, KSS11, Kom89b, LRW01, PA01a, WSTW87].

Composable [LFP+17, OE13]. composer [BGK+05].

Composing [RBC+15, Kom89b, PADD03]. Composite [AM17, Lin18, ATFn11, BRMN04, OCW14, WCC+09, ZMS+06].

Compositing [MWQ+19, NOF18]. composition [Adl14, BML18, FTD17, GMM18, GJGB19, GBA+09, JGBF18, LPMY18, LJJ17b, LWS+12, SJ18, SDC11, TS0B15, TSTD16, UGBM+17, WZ13, XSSM15, XLW+17, YKL+07, Z090, ZZZL18, LKA+19].

compositional [dSMAdR+17, VR05].

Compositionality [dBB90]. compositions
[Lok12]. Comprehensive
[Tao10, ZGL19, HHK+16, LDJL19, NJKH13].
compress [NS17a]. Compressed
[YL14, ML17, BD18]. Compressible
[KN06, Ano96b, LF95b, RZDM01].
compressing [JDW+14]. Compression
[GL99, CCD+19, CP+15, DWH+17, DQ97, HSP+13, IASK14, KCK04, KKv+99, OSC14, SMC99, SMS16, YZWG18].
compressive [GSY+17]. Compromise
[CLK11]. Compromised [SSA+19].
CompSci07 [AC10]. Compulsory
[QRW+18]. Comput
[AB19a, BFS+17a, Cha14b, HYS18, KSM+07a, MR04b, NDZ+18a, NDZ+19].
Computation
[Ban05, CASW05, DE03, Fre94, AAC04, AHU+19, Amo06, Bal16, BCFS02, BDHK06, BWG19, 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, YDT19, dITK92].
Computational
[AC10, ABMS05, Bis96, Bro92, BDS+10, Bun03, CH04, Joh02, Jun17, MCSS00, MGYC06, MVAS89, MR04a, MR03b, MvLvW98, Pet89, RGH+01, SA19, TS99, Tan02a, VMvW97, XA10, ABG02, AAB+07, Ald89, ABE+03, BMT12, BKM03, BFR05, BLB03, BL15, CM99, CBBC+17, CH95, CGJ+10, CKR04, DBV14, DLS+12, DT08, EGK+07, FGGO3, FvLTT98, GKT15, GSN+18, GPS+17, HAM03, Hua10, Nu189, IAL10, Joh89, JNPY06, KHG13, Ko89, KXX11, KKW+14, LLO4c, LW08, Lit03, LJP05, LAH10, Lop03, MFD13, MDD89, Meu05, MHA08, MWvL99, NSHP88, NP03, OK02, PIKM02, Rho89, RM11, SPdSR+17, SMK05, SSST17, SHJR04, SSL12, SL97, SGH+08, SKS17, SZR18, TMT+07, TKB+10, TV08, VDPHS09, WFC07, WL05, Wi03, Wil89, WCKW10, WS10, YD05, ZZDM+18, ZCW+04, CCHW03, GMB+05, KFP+02].
Computationally
[VCD+18, DST10, Pet95]. Computations
[YY92, AQB15, BBSV92, BBJ+06, BST+08, HCW+18, KL02, LF95a, SK12, SzU98].
Compute [GGSZ09, BGR+99, SBLT05].
Computer [AKW90a, Ano86i, CT09, CD99, DPD14, Ig04a, Ig07, JO11, KI89, NHG03, Slo06a, Slo06b, Sti93, Zin00, vdR93b, Ais88, ADAAD12, ABS+18, AKW90b, Blu95, BLB03, BDS+10, Bur02, CAC+10, CRS8d10, CEJ94, Dal03, DRNM10, Fur92, GMLGB+17, Her87, HX090, JBP+18, Kal94, Kas85, KdGP+19, KB92, LC01, Lin84, LWW+13, LSF+94, MJ00, MGA+18, NASS+14, PO00, Pri95, Pud87, SEH99, SL97, SBLT05, Tak89b, TDL05, WGT91, Zad87, ZGCM00, vM94, vdR93a, dRSBH94].
computer-assisted [BSD+10].
computer-integrated [WG91].
Computerized [KKP+05]. Computers
[GMM18, Her84, Ano86i, CST92, CS93, DRNM10, DDD6, Omo91, OP97, Pad92, RN01, ST99, vdR906b].
Computing [AR17, ADALZ14, AT02, APS+19, ABP18, Ama88, Am89, AKB+18a, BB13, CMA11, CDF+05, CFP+19, DXA14, FSV+19, FVFA98, FBS18, Gen95, Hel16, HBO8, HY03, Kow85, KFBDK14, Lid99, LWW+13, MGR11, Mes02, OFMZ18, OSH06, Pal16, PN13, PY16, SG95, SAPI17, SG14, SPKG18, WRK+15, WZM+18, WMN+01, WSB+15, W100, Wri19, WXGM18, XDWL15, YHL16, YWZ+18, AvLR02, AZH18, ABA06, ABA09, AHS+18, ABMC18, AN16, AJY15a, ABG02, ACGdT02, ACC+05a, ABS11, AB01, AMD08, ASW11, ANG+19, AMH04, ADL12, ADA+19, AFF+09, ALK15, AL18, AMGC18, AG05, ARB12, Ano90g, AB03, ADB01, AMS19, BGL08, BJJ12, BBW+18, BAV16, BMU16, BL98, BBG+05, BKS+18, BFS+17a, BFS+17b, BBC+99, BYL+18, BKG05, BAB12, BR92, BOP+14, BDZ13, BKY18, Bis94, BT17, BdDPP16, BCP18].
computing
[BKB18b, BB12, BDMO11, BCM+19, BJ02, BYV+09, BR10, BRHH18, BCB+07, CMZ+12, CPDJ13, CHL18, CHWW13, CGCB+12, CA15a, CLCMG+18, CPGDs+13, CLZ18, CGT07, CTF+99, CTR+17, CWD+08, CDDR17, CMT16, CGH04, CC11, CKH16, CLL18b, CWJ16, CXL+17, CLH+18, CCCY+18, CW13b, CLCY18, CGS18, CC09, CGM+19, CNG+19, CTO06, CCCT14, CBLS13, CFG93, CSP13, CS09, Cuz14, DMC+19, DJZ+15, DHB02, DSR14, DLR+09, DDB14, DVVD02, DSD+11, DL03, DRS+97, DDK08, DDM+08, DR89, DSS07, DT08, DDB14, DWS12, DHC+17, DCMW17, EAS+18, ESFD06, EW97, EMJ+13, ESP01, EA17, FFR13, FRB+14, Fou91, FP14, FP13, GHR+18, GVGB17, GBV13, GAW+18, GJS+94, GJJ13, GS05, GDJ+13, GJ15, GI09, GL95, GCCL18, GS00, GB10, GMP+18, GRX19, GAB+96, GZQQ13, GNS05, GTMZ17, Hab05, HFM19, HSM13, HAP11].

computing [HDC+94, HCZW17, HKPT10, Her91, HCLZ18, HMA18b, HZSD19, HQQ+18, HMW+19, HZ10, HYS17, HYS18, HXC+18, HMP04, HG92, HKP10, IT05, JSK+06, JAA07, JAA09, JSMG18, JNPO06, JM01, JEB18, KNI+18, KMB+17, Kar01, KANS18, KZ17, KKKM13, KB18, KM11, KAW12, KBMB+02, Kim07b, hKcF09, KMK18, KLM+18, KACN16, KV09, KJ12, KHI18b, KB09a, Kos05, KNV+15, Kow84, KGLY18, KJ18, Lau01, LSL05, LWCH07, LSB+18, Len16, LPK17, LPK18, LX1D17, LXJD18, LYM20, LS10, LLW+12a, LCHW14, LXX+14, LFP+17, LLH+17, LSS18, LW18a, Li18, LLW+19b, LOJ+07, LCL14, LC15, LXMW15, LHX+18, LSDH95, LJW08, LZCY13, LYL15, LH11, LPL+16, LDY+18, LZLLL18b, LLZ+18b, LPBB+18, LSJ+14, LLRR02, LLSH07, MWW+15, MLC+18a, Mal01, Mal02, Mal05, M01, MKH13, MEBA12, MGMT18, MMC+18, MRH17, MPR+16, MSS+16, MLSF16, MSL19, MGA+19, NSS99, NPH19, NRV+17].

computing [NCCS99, NSSA+14, OMD14, ODK+17, OB17, OF07, Ole07, OS01, PZA18, Pal13, PdASM18, PWY03, PMMAM13, PGTB18, PMCC18, PSY+19, DLMS15, FP06, PPB16, PZY17, PPLL17, PS13, QRW+18, RGX+18, RGAT18, RC13, RBN13, Rao17, RR18, Ray05, RBS93, RLM18, SB14, SH99, Sar02, STH+98, SP17, SBB+10, Shi04, SA19, SG13, SSZ13, SSF+09, SMM+14, SBD+18, SLS+09, SYK+17, SJV12, SD07, Ste94, SRCR97, SG15, SBA+05, SZG04, SHLB08, SSP17, SLL+18, Sun92, TIC+15, TZLL18, TGM+19a, TKT+08, TJL00, TGM+19b, Tur18, VCC+12, VAR14, VB18, VPT+15, VCL+19, VSD13, WH05, WTK07, WZC08, WTR+13, WWCN13, WQ14, WWC14, WWS16, WCL+17a, WWDF18, Wan18a, WMY+18, WXZ+18a, WDKV19, WJ94, WZX11, WZCH17, WHYZ17, WMJW18, WLLL18, WPS+18, WHZ19, XZ11, XXY14, YFY+13, YJS18, YSHM19, Yat88, YW12, YVCB10, YCH19].

computing [YY11, YGYW16, YCX18, YAX+18, ZAA+14, ZMS+06, ZGZ+10, ZLZ13, ZZH+16, ZWCH17, ZBCT17, ZTKF17, ZCZ+18, ZCL+18, ZX1L18, ZZ1F18, ZLY+19, ZSH12, ZZZ17, ZL12, ZEO01, ZSW+18b, dSGD13, dACAM13, vKvWD18, dACAM13, oKvWD18, dACAM13, vKvWD18, dACAM13, oKvWD18].

concatenation [HRJ+06]. concentration [KAS+18]. Concept [HLV+16, WZL18, GGM+09, HXC+18, LL03, TSENG17, TG04, WAE06, ZDW+18]. Concepts [FOMZ18, PSS01, TAB+18, An086, DSSU97, TBK06, ANN+92]. Conceptual [FYJ+06, C1K10, UZ11]. concerns [FDSC07]. Concurrency [TG07, Vm16, JK92]. Concurrent
connections [BS91a, CHS, EL98, GGS13, LM90a, RBJ, RGDM16, RM11, Sun92, d90].

**Conditional** [MAC17, CLM+14a, HYF18, IOV, LY18b]. **conditions** [DS04b, KDE04, MLGGB, MSE19].

**Conductor** [PL96]. **Conduits** [ELvD].

**Conference** [An08e, CC11, CF09, An08j, BGL08, Kuu98, KZ17, Rh09]. **conferences** [An09c, An09a, An09b]. **confidence** [DCC13]. **confidence-based** [DCC13].

**Configurable** [CBT, Dör05, JNPY, XWRZ].

**Configuration** [PA01a, BORM07, CFMC19, Dv0dH, GGG16, LMZ, MD92a, MBS13, PK18]. **configurations** [CMVA18]. **configure** [KPM].

**Configuring** [BYL, confirming] [Ni98]. **conflict** [WCH].

**conflict-aware** [WCH]. **conflicts** [DR15]. **confluence** [SISGS].

**Congestion** [Aib0b, HDB18, MBM18, KXS, LTN, MWPVB]. **Congestion-aware** [MBM].

**Conjugate** [C09]. **conjunctive** [HZL].

**Connected** [BRH18, KMUV, LVC18, PECA19, RHPV17, UWV92]. **Connection** [BS91a, BB84, BS92, DFSZ88, BB85, CH95, Po95]. **connections** [LPE08, Shi92].

**connectivity** [AC18, BR04, JM02, LY18b, UM02, VOS].

**connectivity-preserving** [UM02].

**Connect** [EGK07]. **conquer** [KTB].

**Conqueror** [KTB]. **conscious** [ZA14].

**consensus** [CFGM].

**consequence** [OA0]. **Conservation** [IS06, Mat18, PPM+18]. **conserved** [DCS07]. **conserving** [NQQL].

**consideration** [GLLW18].

**Considering** [BNMJ, WMV, ZZZ].

**Consistency** [GSD95, KLP19, GNVST, HKS18, LKFO9, OB04, SLP, TSWL17, ZW10].

**Consistency-guaranteed** [KLP19].

**consistent** [PY00, ZSP].

**consisting** [Shi92]. **consolidated** [SS13, ZFW14, ZLL]. **consolidation** [ADB01, CFF14, FNCN11, HMH17, HZZ14, IDM16, JFZL17, KCV11, LYY17, LYY1, LLWW18, Man15, MP17, RT15, TDS16, WCC16, WLA18]. **consolidation-aware** [WCC].

**consortium** [HZLH19]. **constant** [KHJ].

**CONStanza** [PPDS]. **constrained** [APAZ, AEN, ABP, AB, ABN17, AB18, CXL, CLM, DD05, DSCJ18, HY09, KCK16, JMD15, KNI19, PKF, PFM, S, SG18, TL11, VVB13, Ven09, ZY18]. **Constraint** [LPM18, SSG, DQL, DFKF18, FCY18, GPS13, H88, LYY1, TSTD16, WLP10, XJY]. **constraint-based** [DKFK18, H88, LYY18]. **constraints** [CS18, FX07, GQLX18, HZZ, Li18, LD17, LYT, LPL16, LTZ, NP03, S16, S87, TSB18, WM17, WZWC].

**Construct** [HPZL18]. **Constructing** [CFL, ZZ, GNGG17, HQ].

**Construction** [KMN, BJWZ08, CPB, DSS, LLS14, PRN14, TWZ18, TM05, YJ03, YPH1].

**Consumer** [GMC], GCM, FCC, HMA18, ZL18. **Consumer-centric** [GMC], GCM. **consumers** [CAC].

**consumption** [BdM11, CRB, HCHH19, IPCA16, LCZ, DPKB16, MPF16, SRP19, VG13, WOPW13, ZAC]. **contactor** [N06]. **container** [KS17b, LGMV, MG19, PMCC].

**container-based** [K17, PMCC].

**containers** [SF19]. **contaminant** [RS99].

**contamination** [ST98]. **content** [BA17].

**Content** [ARP14, EGAQ09, GC00, WSQ18, AAF18, BCR12, CdRdICB19, De88, DFLO17, DS08, FLT17, FMS, FM08, FR08, GVI13, GGH, HCC14, HDWL13, LLMP, LMZ14, LLF18, LZN18, LLWW18, LSYC18, LPE08, MM08, ....]
NKX09, OCdAM07, QP08, RLL+17, SMA08, SYT09, WLA17a, XWJ+16, YZZC19, Zin00].
Content-based [EGAQ09, FLT17, OCdAM07, QP08, SMA08, XWJ+16].
content-defined [WLA17a]. Contention [BS09, KIMR15, DLXR14].

Content-Aware [KIMR15].

Contention-Aware [BS09]. Contents [Ano01b, Ano05a, Ano05b, Ano11b, Ano12i, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano14a, Ano14b, Ano14c, Ano14d, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, CWJD19, MSM+18b, SKS+18]. contests [WXYL15]. Context [ABTA18, ACSV18, KRD+19, ZGZ+10, AGA16, BN17, CHY+18, DMG+08, FG18, FNA12, FD95, FKT14, GA13, HSB+18, JOSD19, LRJG19, LG08, Lok12, NKB19, POJ+16, PEG05, RMSPP17, SGY+07, SM01b, TCB+17, UGBM+17, WYH+17, WYL+18]. Context-Aware [ABTA18, ACSV18, KRD+19, CHY+18, FKT14, Lok12, NKB19, UGBM+17, WYH+17]. context-cloudlets [Lok12].

continental [MBC+11, RV95]. continents [UNM+16]. contingency [DCC+14].
continual [ZLXZ18]. Continuation [DP03b, PPAK99]. continued [WTS14].
continuity [MBMTJR18]. Continuous [DS04c, KC19, PLGMCD18]. continuum [Low01]. contours [HWWT12, HZM14].
contract [VVB15]. contracts [GPK05, LKA+08]. contracture [MSA+19].
contrasting [MRL14]. Contributing [FTK17]. contribution [MCWP16].

Contributions [Ser95, ALFR16]. Control [ABF93, BT93, BL92, DLL+18, KESL17, YLWW18, AHP+16, ATT96, AR98, AMHJ10, BR18, BM03, BX04, Che13a, CYZK15, CZM+18, CZZ+18, CJK+18, CSC+92, DCMB15, Dat03, DL03, DLLTGMMP16, DHL18, FJL+16, FNC+11, FM05, FX07, FS18, FM10b, FSM+18b, GHMX10, GZL+16, GHD19, GWO03, GY90, HLW12, HV92, HXL00, Hua10, HDB18, IS18, KRD+19, KLM+03, KKS+19, LHO17, LLW+19b, LHC03, LZLL18b, LLZ+18b, Lop03, LC03, MYHZ18, Mam09, MM10, MLLG+17, Mer13, MLW+18b, MWPV12, NRV+17, NWL17, NJ16, NA19, FWW18, QCX18, RGSL18, RSR01, SMA08, SMSF18, SCL14, SYK+17, SCP09, SZR18, TDC+14, TG07, TV16, VPP+19, VFHB14, WC06b, WC06a, WZC08, Wan18a, XSM15, YXZG18a, YA02, YAX+18, ZYK17, ZCL+18, ZFH+18, ZSL+19, dSBN19, vWLE19, BL13].

control-Application [BR18].
control-theoretic [FJL+16, Hua10].

Controllable [FHL3, YD18, ZWGC19, GZ04]. Controlled [BP02, GFR+06, DSS98, KKP00].
controller [FJL+16, Röb05, ZWD+19].

Controlling [GCD+18, HAAH05, PECA19]. controls [EV96, EL98, QT+18].

convection [JNR01, Tab06].
convection-diffusion [JNR01].

Convenient [BK10, WHY17].

Convergence [Kim14, SPS18, CDF+05, Gut00, LLJ18].

Convergent [MFT+17, TSWL17].

conversion [CA01]. conversions [Rus90b].

Convert2Java [AC01]. Convex [SSMG95].

convolution [LYW+18b, vWMB14].

convolutional [AFO+18, AMBB18, ASYF18, CHZ+18, HUY+19, LLU+18, TBS+18]. cooling [Len16]. cooperating [CWD04, Reh06].

Cooperation [Nar86, BDP11a, FMN+17].
Cooperative-oriented [XDHL12].

Cooperative:
[EA13, FMR05, GP09, HDH+18, HMC06, JO11, Nag86a, PP07, PMHF11, RR10, SYJA19, Wah84, CZY+18, CBK+01, DPL14, FTH16, LJ17b, LD17, Mer13, PZ14, RHMO8, Y CJ13, Zhu18, ZLO4a].

Coordinated:
[FX07, BCL+08, CRVZ15, ZXD+19].
coordinates [HHZ16]. Coordinating
[GDR+14]. Coordination
[THN+06, YZZC19, FTP14, MSBA16, PAO1a, Pap05, Pro07, WKT00].

Coordinator:
[CTVB12]. cope [ZCS+16].
Copernicus [PLL17]. copies [Dup90].
copilots [PWP+18]. Coprocessor [SK97].
copy [DS00]. copy-hybrid [DS00].
coral [FEPC18]. coral-reefs [FEPC18]. CORBA
[La95, LSR01, LDS06, LSLR02, RDH+00].
CORBA-based [LLSR02]. Core
[HTO2, TAB+18, CKFJ06, EDH+13, HAF+16, HYZS16, J2+L+18, LC14, LLG+16, LG16b, MWYC12, MAC14, MCA+18, MBM18, MGMR18, MCF+11, MMRL17, PSPP16, PLL+18, PSLZ18, PK11, PRC+14, QZM+18, RS17b, SK18, VD16, WJ2+17, WWZC19, WSH+16, YMWM13, YLJ+17, YZ12, YTD19, ZAB15, ZLG+14, ZHQQ18, VK17].
core-shutdown [WWZC19]. CoreFlow
[KBDL18]. cores [Eng14, HLZ18]. corner
[HTL+18]. correct
[GP96, JAMG91, Pro07]. correction
[KDH01, KA88]. correctness [MD92b].
Correlation
[FAA+18, GJY+18, GHP+18, YL18, YG+19].
correlations [LD17, dFFG19].

Correspondence [DMN+05].

Corrigendum:
[AB19a, BFS+17a, CHA14b, HYS18, NDZ+18a, NDZ+19].
corrugation [LSZ+18].

CosHE [PMD18]. COSHH
[RD14]. cosmic [NMZC06]. cosmology
[LB03].

Cost:
[APAZ17, ALK15, AK14, BKKM11, GR07, KV17, MFRN13, MEBA12, WMX+17, ZQB+18, ADA+19, AL18, BSE+13, BG05, BBB+19, CRM+15, CHSA18, CWJ+18b, CSL17, DMC+19, DR18, GHS10, GD10, GS16b, GE90, HGG+14, KK16, LGY+16, LGL+17, LEW19, LLY+19, MJDN15, MFG+14, OCCK14, RS98, SD02, SHJR04, SGJ18, SBA+17, SDD+09, SK05, SYAL13, TDSH16, VBB13a, WY17, ZG19, ZZL18, ZZS+19, de 94].
cost- [MJDN15].

Cost-aware [ALK15, GS16b, HGG+14].
Cost-benefit [MEBA12]. cost-constrained
[KCK16]. Cost-effective
[GR07, WMX+17, CWJ+18b, CSL17, DMC+19, KK16, MFG+14, SBA+17, WY17].
cost-efficient
[CRM+16, GD10, SGJ18, VBB13a].
cost-optimal [BG05].
costs
[KACN16, MD12]. count [WXX+17].
counter [DLDTGM1P16, VOCHC17].
counter-forensic [VOCHC17].
counter-measures [DLDTGM1P16].
countermeasures [FAA+18].
counters
[CLP+14].
couple [BC17].
coupled
[AGP+92, BC15, BDNP92, KIN94, LLS+14, MD91b, RM04a, MIS92, SMK05, ZCT+04].

Coupling:
[BC15, HNS05].
couplings
[PM14].
courier
[AT18b, ZF14].
course
[BLB03].
coverage
[LWH+18, LZXG12, ML15].

CowB
[DMPP16].

CPF
[AHEM17].

CPRS
[LCH+11].

cPS
[FSV+19, LLW+19a].

CPU
[AS18B, BBM10, CDG+14, DLS+12, GJF+12, IPCA+16, KDH01, KANS18, KAE+18, MBR+18a, RBJ+13, TTH15, VD16, WMQ+16, ZSI08].

CPU-based
[GJF+12].

CPU/GPU
[CDG+14].

CPUs
[ZHZQ18].

CR
[CLL+18a].
cracked
[OS06].

Cracking
[VM+19].
craniofacial
[CPE+17].
crash
[HDC+94].
crashes
[PWP+18].
crawler
[BLMU19].

Cray
[KB14H, MGP96, SCH+00].

CREAM
[AAB+10].

Creating
[BAB13, NWE04].

RGVSZ14, SMS13, RSSD02].

creation
[RL+15, SDH+13, SM15, WSS+15].
D [AKB18b, SGL99, VF18, YMM00, Zem86, vdrR7h, vdrR7e, vdrR7k, AKB18b, Avg00, CPD+15, CH95, DMM+99, DJH+19, EMB98, EdBG+99, GR09, GGM+09, H+HAS04, IdlR01, JHL+06, KCK04, Kni89, KA88, LB+09, MJ98, MJ06, NCS04, RICW00, SHN10, WKF03, XXY+05, XJY+18, RBS93].

D-Grid [GR09, GGM+09, LBB+09]. D/ [AKB18b]. D2D [XYZG18a, YZC19].

DAC [WML17]. DAD [KK19]. DAEs [CFVP03]. DAGs [SK12]. DAI [SPK+07].

daisyworld [PM14]. Dalton [ASV+13].


Data [ADBM19, Ama88, Ama89, AW97, BA17, BSRR18, BMK+14a, CMEA+19, CLNR18, CRL18, CAB+18, CDH+19, DGR+15, DLH+17, EET18, FS97, FZT+18, FA11a, Fuk85, GB18, GRL11, GGH+06, HSBE19, JL+14, Jun17, KK19, KPS18, KB18, KLH+18, KT17, KB09a, KIMR15, LZY+16, LWYS18, MGL+18, MCR+16, NNL18, PN13, PH07, PPS+18, PPA18, QC18, RPA+18, SMI06, SFR15, SNX1B7, SD07, SCG+18, VV92, VEET18, WRK+15, WJS+18, WMN+01, WXGM18, WZM18, YTHY84, YCY10, YDD+18, YZ18, YCZJ18, ZLTY10, ZCX+18, ZCZ18, AOIS10, AHE17, ABPD17, ABD+19, AAQ+18, AFSH+18, AFSH+19, ARP14, ASO14, ATAd+16, AWN+13, ASY18, ASD12, ABF+03, AMT+12, ACK+15, AGA18, ACSV18, ADK+09, dRADFG18, Asu13, ALL+18, ACC+16, AK18b, BLY+19, BK16, BGH14, BBD+13, BJM+17, BAPI17a, BAPI17b, BAB12, BDWM17, BBC+13, BDZ13, Bha18, BKY18].

data [BN17, B192, BPS+03, BBAP92, BCW01, Bu18, BWG19, CZT+15, CQW+19, CMX+16, CVT19, CD6, CTT02, CGM+07, CLZ18, CCD+19, CTR+17, CHJS+10, CFM17, CGIP14, CPD+15, CCMP18, CKF06, CHJ+04, CCL07, CGL08, CLH10, CCS+10, Che13b, CPA14, CZXL18, CAL+18, CRY18, CZZ+18, CBT+19, CY01, CCM+14, CCG07, CPSRG14, CGST09, CTT07, CS97, CSP13, CSQ17, CDL18, CMZ+18, CBBl16, Cuz14, CLM14b, DM93, DMM98, DMM+99, DW11, DHW+17, DJPM18, DAM08, DFG+09, DP19, DMM11, DQX19, DGD+16, DGGCH+17, DKK+13, DFF09, DSH+99, DLS+12, DXL+18, Dup09, DB09, EAS+18, EP13, EWG99, ED16, FTA+14, FG18, FSP92, FB07, FZW+18, FD12, FS+19, FAP99, FZHH14, FTK17, FNC11, FJT21, FM01, Fm99, FNA11, FRM+18, Fra08, FS18, Fst07, GQLX18, GACM17, GVU19V4, GZS14, GHD19, GJ15, GMY16].

data [GGW+09, GML+13, GS16b, GS15, GLSV07, GBF+12, GCL18, GLVC18, GCD+18, GTCZG+18, GDS18, GRX19, GP09, GGH+03, GG10, GFV+18, GSY+17, GLB+18, GB09, HKA+18, HSM13, HAT19, HLYW17, HC99, HAE+03, HBH09, HES99, HPGM18, HPS97, HZD19, Hsu14, HLC16, HYS17, HDB18, HYS18, HXL+18, HYF18, HPS03, HAB+06, IAM+18, IHA18, JTS13, JNS+19, JH16, JHC18, JSC+15, JCL+15, JFZL17, JLC18, JZJ+18, JLX+19, JLX+18, JRO2, JRF+07, KS18a, KKN18, KRD+19, KHH10, KS11, KP12, KR14, KCS+13, KS17a, KN06, KLP19, KMC18, KCV11, KGVW14, KXS+16, KLM19, KBDLG18, KHB18b, KMCH03, KGT15, KB5+16, KAS+18, KKS+18a, KOP+17, KKV+16, KAEC+18, KP18, KY04, LLYW19, LS07b, LGH97, LC04, LLpC12, LY17, LY18a, LB18, LN13, Leo98, LXDM17, LGW07, LKN+13, LCHW14, LXX+14, LCC+14b, LWD+14, LLQS14, LNB14, LRYJ17, LFP+17, LXL+17].

data [LGL+17, LOR+18, LY+18, LYY+18, LLZ+18a, LAL+15, LZH+18, LJY12, LSYC18, LWH+18, LHX+18, LWW+18,
LSD11, LvW14, LYZC15, LSHW17, LWT18, LHW+18, LRC+18, LZW+18, LGYZ18, LKFB18, LLL+18, LSAM13, LKK+16, Lop93, LWW+13, LL16, LHWS07, LSSH07, LZY+16, LJC18, MWW+15, MTMNO8, MSS+13, MNV12, MID16, MPP13, Man15, MLC18b, MVL+18a, MJ98, MJ06, MFP05, MPCA15, Mat18, MP17, MZH+16, MTD18, MBFC99, MMVP13, MTH+05, MFL18, MDT+18, MFT+17, MWPV12, MVCC10, NS17a, NNRA19, NMZC06, NSP07, NAD+18, NK17, NWMG17, NJW+06, NKP16, NJ17, NSSA+14, Nis93, OFD17, OB04, OFT09, Osm19, PM04, PPZ12, Pal09, PFRC16, PJDO13, PsV17, PVN+12, PKC+05, PSL+14, PKY+17, PWMX17, PWP+18, PYM18, PECA19, PSR+07, PSA+09, PGCC+10, PMBS14, PPS18, PSY+19, PCM99, PHP+09, PIP18a, POn19, PCB09, PRN14, QGX18, QT+18, QCX18, QMSG12] Data [QC13, RGGH18, RTHB17, RL98, RT15, RSK16, RHHK15, RGCCL18, RSJ+14, Rus90b, SR12, SPT+18, SAGL10, SPMC10, SMPC12, SZ05, SP18a, ST11, SOA17, SBG+09, SGKC10, SA14, SG17, SDL+15, SYY+17, SLC+17, STC15, SB17b, SB17a, SGB+18, SB18, SAR18b, Sin07, S1e14, SBA+17, SBD+18, SZD+17, SYK+17, SAG19, SRN+18, Sta17b, SSK+08, SLW11, SSZ+17, SLB+17, SLZ+18, SAC11, SSLF+10, TWC+06, TBBK13, TST14, THA+17, TQZ18, TLTY06, TDC+14, TF18, TZZL18, TKR+15, TLS17, TOD17, TD95, TSGR17, TSGVGR19, TDPF+17, TCN+14, TWZP18, TJJL10, TBdL16, TV08, TSSTL16, TBCB18, TYYW18, TAS+18, TBS18, T1r13, TGM+19b, TCCW19, TSAER18, USK16, VTTK17, VBLSO9, VOS12, VGC+13, WSQ+18, WZW+19, WTR+13, WTG+14, WLLF16, WLZ+16, WZZ16, WXPL17, WWQ+18, WCH+18, WMY+18, Wan19, WSS+09, WFC07, WLA17a, WPT+13, WBJM14]. Data [WHW17, WHYZ17, WHYZ18, WLHH18, WZWW18, WHZ19, XB14, XWZ+19, XYZ05, XFM16, XDH+17, XTF+19, XAW+10, YLBY15, YMW+18, YYXZ18a, YJA03, YMW13, YLN15, YPLZ17, YWCC18, YZG+18, YXZG18b, YSHM19, YKK13, YLC+06, YZN+15, YXA+16, YGYW16, YY+17, YYLC10, YYF+10, YL16, ZZD+18, ZMP10, ZGL19, ZLD+03, ZQZZ09, ZCW11, ZME+15, ZSX+15, ZCK+15, ZZH+16, ZTKF17, ZYB+18, ZFS+18, ZHL+18, ZWZ18, ZXD+19, ZQB+18, ZAC+18, ZW10, ZWJ+18, Zhu18, ZWGC19, ZSBB19, dFPFG19, vKvW+13, vdR87l, vdR87k, AKP+18, BCMA07, CAS+16, CC07, CRW+16, CW16, DX14, Dog90, GS16a, HBH09, KKAS19, LS07b, LVH08, MCR+16, NZQ07, Qin07, Sh1a, SYT09, ShJ06, TLYT05, TLYT06, YY+18, ZS16]. Data-activated [HSJ06]. Data-as-a-Service [vdR87l]. Data-driven [vdR87k]. Data-centric [Bha18]. Data-capacity [CZZ+18]. Data-check [PRN14]. Data-driven [JL+19]. Data-matching [FRN14]. Data-parallel [BL92, FP02, LC04]. DataABC [FJZL17]. database [ACU95, Ano84j, Cha15, CWSW14, CYB90, CW93, FAJP99, FT07, GML99, Joh92, LY90a, LY90b, LZL+16, LRMS19, LKM91, Mur88, NSI84, PNH99, PH99, PB17, WCL+17a, YXD18, YWF+10, vdR86a]. Databases [ATS14, CYB90, CFG93, FGRZ09, FSM+18a, GAYTC18, KP00, KMB16, KYB+19, KST92,
Kos00, LY18a, LLCF11, MQN19, NA19, PNH99, PDDS10, SL87, TG07, ZMN99].

Datacenter [YMY+17, ESPN17, KMJ18, LKTC14, SHRE16].

[LGW18, LPBB+18, MRH17, SSP17, WCC14, XWM18, ZG19]. 
datacentre [Len16].

datacentres [PLLA18].

Dataflow [GY90, Gur85, GBT87, HG92, KSY92, PLLL17, ZT90, ZT91].

dataflow/von [HG92].

DataGRID [VBP03].

DataMiningGrid [SSK08].

dataset [WZZ16].

Dataspace [CDH19].

dataspace [HLCL16].

DataTAG [MFP05, MMFM+05].

date [Din99, HMA18b].

Davidson [BvdHN01, BV04].

davidson-type [BV04].

day [KLBW18], DB [PYH18].

DBaaS [BBB19].

DBMS [MGV18].

DBMS-based [MGV18].

DDL [FB97].

DDD [DCC13, SPT+18, TA18, VS13, VSP+14, ZJW14].

Deadline [ANE13, PNGF13, VCKB12, APAZ17, ABP16, ABN17, DQW15, FCY18, HLW12, MJDN15, SGJ18, TSB18, VVB13a, WT+17, ZYB+18, ZYB+18].

deadline-aware [ZYB+18].

Deadline-constrained [ANE13, APAZ17, MJDN15, SGJ18, VVB13a, ZYB+18].

Deadline-driven [VCKB12].

deadlines [BBB16].

deadlock [CWW+16].

dead [MCG+15, SHBP10].

deblocking [WC14].

Debugger [CLP95].

Debugging [AW03, FSP02, RCD03, BW05, Ka00].

decay [PKA19].

Decentralised [Low05, PWA+19, STMV18, Vau93].

Decentralized [CLNR18, HNK018, JTS13, LS07b, MPC+18, OEE13, RLPI2, SHRE16, TGM11, ATF11, ABH18, CCL11, DA18, DCF19, FWB13a, HB08, HXL90, HBN+13, LHL09, MML+18, MT17, MOBD18, MGLPPJ13, RRB10, SCMS12, TY11, YBQ07, YLA18, ZMH+18].

deleterious [CWZ17].

decide [MOBD18].

Decision [vdR87f, AFSH+19, AW97, BBWB+18, BKB18b, CLY14, DSH+99, GS05, GBKJ18, JNS+19, KMI11, KKS+18a, KFBKD14, LPK17, LPK18, LGW07, LRM19, LYS12, LDY+18, PP07, RT16, SB97, VDK12, WY17, XYLZ18, YCH19].

Declerative [TA96, AtD+C16].

decoder [KA88].

decoding [PSPP16].

decomposed [SKJ01].

Decomposition [dRSS07, AB18a, HO03, Bu03, HND06, LLW+18a, LYW+18b, MvdV01, MSBA16, PLL+18, PSLZ18, Pri95, SMC18, WHZL10].

decomposition-coordination [MSBA16].

decoup [LSJ+14].

decrease [KIS11].

Decreasing [VGC+13].

decryption [ZSW+18b].

dedicated [BBB16, DZ04, NP03].

deductive [RB12, SL87].

deduplication [KH18b, SAR18b, WLA17a, WLA17b, ZFH+18, WLML17].

Deduplication-Assisted [WLML17].

Deep [ASYF18, HDA+19, ZLZL18, AQAR+18, BW19, CLCMG+18, CFMC19, CAL+18, DFG+19, DC18a, HDKC18, HUMA18, KMK+19, KLS19, LLH+17, LU+18, RSY+18, SD18, TBS+18, TW18, WC+18].

deep-learning [CAL+18].

deep-regression [AQAR+18].

default [ATT96].

defense [DCC13, GHYK18, NNC+19, VSP+14, ZJW+14].

deferrable [CSQL17].

define [ABD+19].

Defined [BRH18, IDKD19, RGSL18, SMG18, CJK+18, GZLZ16, GHYK18, GXL+18, JAAD+16, KJL11, LLW+19b, LXM+18, LRC+18, NAGD18, QCY+19, WLA17a, ZGL19, ZBCT17, ZZS18].

Defining [GMS09, MEBA12, MR03b].

definite [Ams06].

Definition [CGT07, GHO+11, HML+06, LRJ+06, LS05, Zsu01].

deforestation [ALFR16].

deforinable [RSA+18].

deformation [JHC10, Tor04].
defragmentation [RT15]. degeneracy [DMN+05]. Degeneration [TBS+18]. degree [LJJ18]. Delaunay [LGMV02, XSM04]. Delay [ACC+19, BARMB14, CLR17, KV09, LCL14, RMDB18, SZK16, VSKS19]. delay-based [CLR17]. delay-sensitive [LCL14]. delegated [SBL18]. delegation [AH11, JSMG18]. deletion [LZZ18a]. Delft [DFSZ88]. Delivering [PMDS18, QCD16, Zin00, BYV09]. Delivery [GC00, SST18, HAT19, HAE+03, HDLW13, KKN18, LMZ+14, LPE08, RMVG+10, ZCT+04, Zhu18]. Delphi [ACGdT02]. deluge [TGM+95]. Demand [CAB+18, BPS+03, DEG+17, FMR05, KLM+05, Len16, LWH+18, LWZ18, MHW+16, PYH17, SSF+09, TDC+14, WWC+97, SCN+14]. demand-oriented [LWZ18]. demanding [MVT+99]. demands [KPM+18, SCB04]. dementia [NDZ18a, NDZ+18b, NDZ+19]. demonstration [CALN03, HRJ+06, VRGR16]. demoсаicking [HLC16]. dendritic [EAA16]. Dendron [PMK18]. Deniable [DA18]. Denial [IDKD19]. denoising [BTG19, GDAS18]. dense [DS04c, HPP94]. Density [GBY16, ZSZ14, DRS04, LZWX13]. Density-based [ZSZ14]. deontic [SZR18]. dependable [AR07, BCC+17, WKT07, WY17]. dependence [XFM16]. dependencies [BB113]. Dependent [BB17, CP06, Duaz94, GTMZ17, Nos98, Tab06]. Deploying [PCBD99, MVC+13]. Deployment [TCB+17, BJA+05, BARMB14, CZY+18, CdCD07, CGL15, HSH+07, KTK11, LWH+18, LLW+12b, LSMVML13, MAJD18, MGLPPJ13, MCSA18, MW12, PSP+09, PPSS06, RCMT18, VCL+19, VSD13, dOWdAS+18, WG13, WLI+19, ZLZ13]. deployment-based [CdCD07]. deployments [LPD+13]. depression [CFL+15]. Depth [HZZ+18, XTL+19]. Derek [Ano87b]. Derivation [DRNMC09]. derivative [GKS05]. derivatives [BBL+05, SBLT05]. derive [LN13]. derived [De06, YMW13]. Deriving [MdOO+17, CHSA18, CFVP03]. descent [MVL18a]. describe [vdHDT+06]. description [DJP18, HK88, MDL11, PLCGS11, Sun10]. descriptions [BHK90, XLL+18a]. Descriptive [SGdMM96]. descriptor [LZL+12, PSS+18, Var03]. Design [AMN18, AAB+10, CCDS08, CBS17, DCBF19, DVD12, HZS19, JG11, JNR12, KO11, KANS18, K LW+17, LCP04, LJY04, LL04, LJS17, LC03, MK17, MSK03, MCW16, NSS99, NP06, PS107, PMT10, Qin07, SPR+10, SYCH18, TMM+13, TBB+17, WDKV19, XJK+18, ZY90, ZYA+18, ZZQ+19, dSK+19, Ao06, ABB03, AAD+13, BFP18, BBC+99, BKG05, BSRR18, BB06, Cur92, DMR93, DDV92, DG09, DSD+11, DBD+14, ECPF17b, F02, FAJP99, FZT+18, Ger02, LH09, HIA+18b, JLQZ18, KKL09a, LRYJ17, LMH+09, MB01, MOBD18, MBZ10, MNY+19, MVT+99, MHY+18, MMW10, Ném00, PPJ95, RHH+16, Røb05, ROP+11, SCK+00, TWW+18, TC92, UZ11, VVC+03, VSM02, VR00, VPP+19, VPV94, WWD+14, WXLY15, WGM15, dOWdAS+18, WKT00, ZDL+13, ZLZ14]. design-space [SCK+00]. designed [ZJWZ04]. Designing [AB18a, BGL+05, GBE00, OdOD+13, ST98, XLL+19, CFC17, DGGH+17, M017, TKT+08]. desktop [BCB+07, CLL+14, DSS07, FK12, KWK16, KFC+07, KJ12, KKL11, LLYW13, RLP12, SWW+18, TPS14, VV14, WFC07, CB10, KNK+08, KLM+05, LT0707, SBHD08]. DESRP [LWZ18]. desynchronized [Tur18]. detailed [LR06]. detect [JJC+19, SAG19, ZZN04]. detected [BCF16]. Detecting [Ano87b]. Detectors [Ano87b]. Dete...
Detection

Detector

development

devices
BW95, BB06, BDZ13, BAD+05, BGMLS17, BDL06, BFW+03, BRN15, BGR+99, CMZ+12, CPGdS+13, CM01, CST92, CWD04, CZL+18a, CDF+05, CRC13, CLR16, CBK+01, CDDR17, CCL11, CBT+19, Cho+04, CCM+14, CS93, CGST09, CGM+18, CRM05, CBBdL16]. distributed [CLM14b, DCL00, DAA98, DAM08, DT93, DRNM09, DR15, DDM+08, DL00, Din03, DdM10, DDB14, DM12, EK11, EBOY14, ECPF17a, ECPF17b, FGRZ09, FB97, FAJP99, FGG13, FJ00, FFPS10, FM10a, ECPF17a, ECPF17b, FGRZ09, FB97, distributed [PDASM18, PY00, Par04, PFW+14, PH99, PX07, PGTBC18, PGG+06, PMT10, PZY17, PC9B9, PVHB05, PSBB15, QP08, RHH+16, RB08, Reh06, RLR13, RMHC15, RMHM17, RM97, SGR19, SZC05, Saper, SZP00, SBSdL06, SY04, SD02, SLG+17, SMS18, Sin92, Slo96, Sd03, SHJ06, SLO+05b, SHLB08, SM06, SSLF+10, TC06, TJLT00, Tbd16, THT12, TBNF09, UDvdW+18, VPT+15, Vau93, VR00, VLC03, VBL05, VOS12, WHZL10, WTR+13, WWW+16, WSH+17, WSH99, WHYZ17, WHYZ18, WB90, XWZ+19, YA02, YHJC05, YJS18, YZW14, YWF+10, ZCT+04, ZLD+03, ZMS+06, ZWL13, ZWW+13, ZSX+15, ZWHC17, ZTKF17, ZWJ04, ZCW+04, ZW10, ZB19, ZSBB19, dSGD13, dKDOS03, dLB10, BCF+10, CT09, WAE06, YMY+17]. distributed-data [FB97]. Distributed-Memory [BM92].

Distribution

[KK19, KT17, AC18, BTM06, BGPO+17, CRC13, CYH04, CdRRdCB19, DLW07, DS08, DJH+19, FHZW18, FR08, GZL+18, HFM19, HAAW+18, KTKN11, LBD18, LGH97, LLY10, LSYC18, LOK09, LJW+19, MOFGP18, NKO09, NMZC06, NK17, SA14, Tor13, USK16, VCDK18, WFC07, ZTKF17]. distributions [BARM14, BDHK06].

do-it-yourself [LMZ+14]. DOC [SSG17].

Doc2vec [CXZC18]. docking [IPG+18].
doctoral [SR03]. document [FC09, LYT+05, LLS+14, TDBR18, ZL04a].
documentation [WGM15]. documents [BD18, C14, KFF98, SW17]. DOE [RS16].

Dolev [BDN02]. DOM [GCC18].

DOM-Based [GCC18].
domain [AM16, BFK02, FSS+18b, GZLZ16, GXD+09, GDAS18, GSY+17, HND06, KZA+18, LKA+19, MdvV01, Pri95, SC19, SMC18, SCEL18, SYL+19, SBB13, WMBV17, XWZ+19, XLW+17, YZL+18, YLC+06, vOH+05]. domain-oriented [XLW+17]. domain-specific [BFK02, KZA+18].
domains [AL14, BCPS03, KOT18, LLM+16, SG17].
dome [KO11]. dominance [ZZS+19]. Dominated [BRH18]. Donald [Ano87].
e-infrastructure [MSS+13]. e-Lab [BGJ+06]. E-learning [CJN+15, CLL+14, TNY17]. e-mail [LL04b]. e-markets [VPT+10]. e-payment [CLM+14a]. e-Science [BDP11b, CBN16, CF09, DGST09, HT02, ZBB09, BHD09, JHL+06, SAGL10, SBG+09, AC10, BH13, KA13]. e-Social [LSAM13]. e-Toile [BBG+05]. e-VLBI [WWD+14]. E2S2 [KLP19]. Eager [CK00, KGW95, MSS02]. eagle [GJGB19, LPY+18]. EAMSuS [MPI+18]. Early [AAJ17, ACE02, ZPPE17, SPT+18, UZ11, VMN+18]. earth [GNOY01, SSMG95, Bre89, CCM+14, FPX+09, TWC+06, WKZ+03]. earthquake [BSE+13, ZPPE17]. Easing [LP01]. easy [ABF+03, MZC08, ZDW+16, vdPGZ+16]. easy-to-use [vdPGZ+16]. Eavesdrop [FZW+18]. EbH [GMdFPLC17]. EC2 [BC15]. ECA [KA08]. ECAI [Ano84e]. ECAI-84 [Ano84e]. ECG [CPK05, GMdFPLC17, IASK14, PVN+12, PLGMCdF18, SD18, WPS+18]. ECG-based [PLGMCdF18, SD18]. ecoinformatics [PWB+13]. ecological [KSSG16, PSW+14, TSTL16]. Economic [AB19a, ABGMC19, YW12, DS08, HAP11, HAP15, LTN10, RMCMD12, dACAM13]. Economic-based [YW12]. economical [FW+18, LLZ+18a]. Economics [APB18, BAV16, VAR14, ARB12, AR10, TL19]. economy [ABG02, ABP18, KH13]. ecosystem [AMPZ16, DDMG17, GHGP19, GPJ+14, MLV+18a, Sha16]. ecosystems [CGM+19, LMBCC89, ZZDM+18]. ECRC [Gal87]. EDAK [ABB19]. EDAWS [WHY18]. eddy [NEJP94]. Edge [AR17, AHM+18, CLH+18, DMC+19, GSP+17, LOR+18, MPLM18, OFMZ18, SST18, WZM+18, AHS+18, ANG+19, AHU+19, AK18b, CFG+19, CGSV17, CGM+19, EBCP18, GRX19, HHS98, HNZ18, HMA18b, HMW+19, HLT+18, IG12, KZ17, KA19, LW18a, LY18b, MLC+18a, MBMTJR18, QZD+18, RGN+18, RR18, RLM18, SPJ17, SYJA19, SL1+18, TGM+19a, WMJW18, WHL+19, YCH19, YXC18, GQXL18]. edge-based [CGSV17]. Edge-centric [AHM+18]. edge-cloud [AK18b]. edge-crowdsourcing [SYJA19]. edge-IoT [EBCP18]. Edge-of-Things [GQXL18]. edge/stream [GRX19]. edge/cloud [ANG+19]. edible [Jun18]. edited [Zem86]. editing [LHCC18]. editor [Ano87k, BB13, KDFL99]. Editorial [AKvdR86, ADLW12, Ano84f, Ano86g, Ano89e, Ano90f, Ano91d, Ano93b, Ano94f, Ano95g, Ano96d, Ano97c, Ano98d, Ano98e, Ano99, Ano10b, Ano11b, Ano12a, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano12i, Ano12j, Ano12k, Ano12l, Ano12m, Ano12n, Ano12o, Ano12p, Ano12q, Ano13f, Ano13g, Ano13h, Ano13i, Ano13j, Ano13k, Ano13l, Ano13m, Ano13n, Ano13o, Ano13p, Ano13q, Ano13r, Ano13s, Ano13t, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano15m, Ano15n, Ano15o, Ano15p, Ano15q, Ano15r, Ano15s, Ano15t, Ano15u, Ano15v, Ano15w, Ano15x]. Editors [Ano03b, Ano03c, Ano03d, Ano03e, Ano03f, Ano03g, Ano02b, Ano03h]. Editorialship [Kau99]. EDPEPPS [DZJ+00]. Eds [vdR87a, vdR87c, vdR87e, DLH+17]. education [AMB03, Avg00, KACN16].
Educational [AD00, MJ00, Jon00, RM+98]. edugAIN [TOS18]. EEG [AHD+19, De 98, JSS+99, KKP+05]. Effect [PLGMcD18, Tor04, Bo19, RWY+18, Nit86]. 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, ZBTC17, ZRZ+14]. Effectiveness [YZI18, ECPF17a, Man15, PM04]. Effects [JK17, CN17, GPS+17, HSS00, LRY17, PM14, Yam92]. Efficiency [ZMN99, DDB14, Dua94, FTK17, IDM+16, JLR18, KSSG16, KKG+18, KKvdB19, KB97, Ber98, BBL13, ABMM18, AmH02, AR15, AQRH+18, ARP14, AS18a, AAM+16, AK18b, BK16, BZ19, BAB12, BPS06, BFR05, BMH10, Bu18, CMX+16, CRM+16, CP17, CFMC19, CLM+14a, CSJ+17, CZXL18, DSBC19, DHW+17, DAM08, DVD12, DQWL15, DR18, DNP14, FJ00, GD10, GKS05, GK18, GBF+12, GNWT05, HMH17, HHG05, HXY13, HYS17, HYS18, HMP04, IOV+18, JYY+17, JLCC12, JFZL17, KKN18, KKB18, KMT14, KLP19, LBD18, LY17, LY18a, LBM18]. efficient [LLQ514, LCL+16, LCC+16, LYY+18, LAL+15, LSYC18, LC01, LC15, LZG12, LG16b, LCMX16, LWH18, MNV12, MPP13, MMF16, MP17, MZD+16, MML16, MAQ17, MGLV04, MRR17, NF07, NP06, NRV+17, NDA+19, NWL17, PSP16, PPZ12, PY00, PWY03, PDH18, PPMM+18, PF17, PVBH05, PLL17, QZM+18, QMSG12, Rao17, RGLS18, RG04, Rum99, SB14, SC16, SAGL10, SBTN18, SGG18, SLS+09, SRN+18, SCBK+16, SHLB08, SYAL13, SLA+16, SLB+17, SLY+19, TDSH16, TPBS14, TIs07, TM05, VVB13a, VTTK17, VCD+18, VGC+13, WHMO13, WFC07, WCC14, Wu16, WPJ16, WHYZ18, WHLH18, XZZ+14, XDH+17, XLL18b, YPLZ17, YYY+14, YZWG18, YDT19, ZQZZ09, ZL13, ZTKF17, ZCL+18, ZZZS18, ZZXL18, ZXDX+19, ZFC17, ZFC18, dITK92, LOJ+07, MPI+18]. Efficiently [ABL04, BRR+04, SSC09, XTF+19, ZSC18, BSE+13, KTY03, LFH+15]. effort [MZC10]. efforts [Amo84]. EFG [YGY+19]. EGEE [FKBG10, VHL11]. Ego [GPJC17]. eHealth [FFC+18, PZA18]. eID [FRZ19, SGGR+16]. eigen [CHJ+04]. eigendecompositions [DP03b]. eigenvalue [BV04, Del06, Prz03, SKT+08]. eigenvalues [Amo06, CDS03]. EJOB [vdR87]. EKF [BRB19]. EKF-MRPL [BRB19]. Elastic [ISS+15, MLS00, NF07, BKKM11, CRM+16, CVKB12, CTVB12, CLNR18, FEPC18, GGS13, HvsAS04, LPBB+18, LSJ+14, MQW+14, OS06, UDvDW+18, MTD18, SJV+15]. Elastic-PPQ [MTD18]. elasticity [Bel16, CBLS13, FJL+16, HGG+14, KC14, LSJ+18, MAB+15, McdA16, dRRR+18]. eLearning [FJA+18]. election [SW02]. electric [DDMM98, MWH+16, SLTK19]. electrical [DFT92]. electricity [MWH+16, MD12]. electrocardiogram [BLL+19, DNW+19]. electrocardiography [PCB99]. electrodes [WPS+18]. electromagnetic [Dae95].
BMK^14b, CJ14, CLP^+14, DKV14, DSBC19, DYL^+16, DNP14, FTK17, GDS18, GFW^+18, HLL^+17, IPCA^+16, JLRS18, JFZL17, JEB18, KANS18, KSF^+13, KHG^+18, KMT14, KLP19, KKW^+14, LTC12, Len16, LN13, LPK17, LPK18, LLQS14, LOR^+18, LJGW18, Li18, LCZR12, LZXG12, LCMX16, LPL^+16, MNV12, DPBK16, MFP^+16, Mat18, MZD^+16, NSSA^+14, NQQL13, PSP16, PLLA18, PTD^+18, PPMM^+18, QCY^+19, QMSG12, QCD16, SHP^+16, SB14, SMS14a, SLD^+15, SG15, TSD18, TDSH16, TPS14, TSGVRGS19, TKA18b, VF18].

**energy**

[VVC^+12, VTKK17, VGC^+13, WWC14, WHL16, WCC14, XZZ^+14, XDH^+17, XDH12, YPLL17, ZG19, ZAA^+14, XZD^+19, ZAC^+18, ZZZ17, dACAM13].

**Energy-aware** [ADA^+19, BAB12, BCDP12, DCMW17, LYY18, MMPF19, WKC^+13, ZMTT16, ZZLH18, BMK^+14b, JEB18, KANS18, KSF^+13, KCS14, LTC12, LPK17, LPK18, NSSA^+14, ZAC^+18, dACAM13].

**energy-conserving** [NQQL13].

**Energy-credit** [KCS14].

**energy-driven** [ZAA^+14].

**Energy-efficiency** [DDB14, SLD^+15].

**Energy-efficient** [CP17, GFB^+12, LBMI8, LSYC18, SLY^+19, Wu16, WHLH18, DNP14, JFZL17, KLP19, LLQS14, LZXG12, LCMX16, PPMM^+18, SB14, VTKK17, WCC14, XZZ^+14, YPLL17, ZXD^+19].

**energy-incentivized** [BDP11a].

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

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

**Enforcing** [TTH15, LHC03].

**engagement** [BDWM17, FTK17, Kim18].

**Engine** [BBCN18, Bal16, DLH^+17, FPL^+19, KGT15, RLR13, XLL18b, BG87, PS13].

**Engineering** [BLO^+18, BZS18, GHD19, Kw085, AC16, AAJ17, AMB03, Ano87b, BAP17a, BAP17b, Ben99, Bun03, CTMO06, DFG^+00, Hir89, Joh02, Kin07b, Kow84, Ma91, Mat89, SK18, TY85, Van87b, VVC^+03, Zhe14, ZWMC19, SR03].

**Engineering-DiffServ** [BLO^+18].

**Englewood** [vdR87h].

**enhance** [GMB^+05, HCL^+17, LHX^+18, NRNA19, RM16].

**Enhanced** [HLL12, SMS14a, WDD00, AMM18, AV00, BCC^+17, CSP13, HLW12, KID^+16, KKKM17, KKKM18, NV11, PH99, RTS^+16, RGGVGSZ14, SLW11, YZN^+15].

**enhancement** [BML18, CHS11, DZZ^+15, DGA18, LCL^+19, MYBMM18, SVN10b].

**enhancements** [PSV102, PSJ^+12].

**Enhancing** [ACML05, AMR18, BBLP05, CWL^+18, FM08, IPG^+18, KXI1, TCH19, YMW13, ZCLW18, SMPC12].

**enough** [BBR^+13].

**enriched** [LRJG19].

**Enriching** [KBdLG18].

**ENS** [BBR^+99].

**Ensemble** [SB18, BMP^+16, CMT16, LPK17, LPK18, PPLL17, RGAT18, WLW^+18].

**ensembles** [MJDN15].

**ensuring** [CBT^+19].

**Ensuring** [MRD10].

**Entangled** [ADDV16].

**Enterprise** [ECA^+18, AGJN00, CM01, DRR^+07, GLSV07, JAA07, Kim07b, KKL09a, KFC^+07, NSP07, SSA^+19, dVXB^+11].

**enterprise-scale** [NSP07].

**EnterTheGrid** [Ano05e].

**entity** [JLU03, NS19, XLZ^+14].

**entities** [JLU03, NS19, XLZ^+14].

**Entropy** [EHMS00, RDSA18, RGGH18, WLZ^+14, Fire94].

**entropy-based** [RGGH18].

**Entropy-driven** [Fire94].

**enumeration** [MKK03].

**envelopment** [KPS18].

**Environment** [BKS98, BP94, CWD^+08, LSS94, PMDS18, YG18, ANA16, ASTEP98, AJY12, ADT03, ACC^+05b, AKB^+18a, AAD^+13, AK18b, BJ12, BMRW01, BBD01, Bar11, BKS^+18, BKG05, BPP^+07, BDZ13, BMBM10, BCB^+07, CLP95, CSG^+05, CCT^+08a.]

**CCDS08, CCL11, DJZ^+15, DCL00, DJZ^+00, DW11, DRS^+07, DMZ09, DT93, DL00, DR18, DCC13, DGD15, EK11, EHT10, EMB98, EPJ^+05, EAJ17, FMSSM12, FHZW18, FJ00, GR96, GGW^+09, GCK18, GAI^+18, HJS^+99, HKP10, IMSV90, JPBJ17, JLJ^+13, JOSD19,
KDFL99, KVK+18, KPV+03, KPA17, KKK09b, Kos95, KKP00, KTKK17, KCC118, LKKF09, LLCL11, LJLW13, Li18, LJJY19, LM90a, LGS+97, LS+94, MCSS00, MSK+07, MSBA16, MVT+99, MVT+14, MTH+05, MSX00, MRS18b, NRV+17, OS92, PP10, PVN+12, PP07, PSA+09, POJ+16, DLSM15, PPAP99, PHM+99, PA01b, PBB+05, QZD+18, RGAT18, RL98, RMM+98, RPA+18, RGVGGSSZ14.  

environment  
[RM11, SV16, SLTK19, SDWS13, SOR05, SSKF95, SMK05, STA17a, SGB+18, SPCL04, TCC18, TZLL18, TMB+19, VS+14, WCHL10, WDD00, WB90, XWjZyF19, YLN15, YMM00, ZZJY16, ZCZ+18, ZZZ+10, ZS05b, dFBP+17, BCF+10, DGS09, FMD99, LWV+13].  

evironmental  
[BBBW+18, GRL11, PSW+14, RHHK15, VDK12, WTP+13].  

Environments  
[BB17, CCMGF18, CDH+19, TF17, YPF05, ACGdT02, ABC+18, ABS11, AMD08, ADA+19, ALK15, AMT+12, ABF+10, ACK+15, BJA+05, BML18, BR92, BdM11, BCC+12, BN17, BBB16, BDH14, BFR99, CPDJ13, CRC13, CTF+99, Cas94, CFVP12, CFG+19, CFC17, CCCC14, CRM05, CS09, DVD12, DEG+17, EMM12, FDGR14, Fr14, FX07, FSM+18b, GKU+12, GKT15, HFM19, HZC+08, HCB16, H603, HPP+18, HHW11, JRR+11, JTB13, JTS13, KA09, KKB14, KBB+02, Kim07b, KWK16, KHK16a, LB03, LYMZ09, LC15, LSTV07, PLLR02, LLSH07, MCT+15, MOBD18, MKT09, MR03b, MROD10, MVwL09, MMPF19, MMLR17, NNRA19, NNR+15, NAD+18, NJ16, NOF18, NMC05, Pad92, Pag99, PBV+13, PLA18, PEC19, PGTB18, RB13, RMMHG17, RRH16, SB14, SPdSr+17, Sch08, SBAD+18, SLDK03, Sip12, SCN+14, SD07, Sun92, TDFZ18, TCBPR16].  

environments  
[TMP15, TAKV12, VPP+19, Ven08, VCL+19, VD16, WH05, WHW16, WZSC18, WHBC19, WSS+09, XTT18, XHY+90, ZS10, ZGZ+10, ZAP05].  

Env  
[YLJL18].  

Envy-free  
[YLJL18].  

ePASS  
[SCZ+14].  

Ephemeral  
[CCMGF18, CLCMGF+18, MOBD18].  

epidemic  
[FMS08b, GRTV10, XL19].  

epidemics  
[LMBC09, OCCK14].  

episode  
[AMK18].  

equal  
[DMM14].  

equal-energy  
[DMM14].  

equality  
[WZCH17].  

equation  
[PCC18].  

equational  
[OP95].  

equations  
[BFLL99, BMZ01, BC03, IS03, SG04, Tab06, de 94, vdR87b].  

equipment  
[TC92].  

equivalent  
[PEG05].  

era  
[QX18, SDDG17, Zad87].  

erasable  
[LY18a, YL16].  

erasure  
[GIM16, HD016, PWMX17, XWM18].  

erasure-coded  
[PWMX17, XWM18].  

Erlang  
[Tur18].  

Erlang-based  
[Tur18].  

Erratum  
[KSM+07a, MR04b, NHG03].  

Error  
[KTV03, CCCP19, DR03, GHMX10, KDHP16, KA88, LRMS19, SS03].  

eruption  
[KDHP16, KA88, LRMS19, SS03].  

estimation  
[DV98].  

estimations  
[DV98].  

Estimation  
[AVAF18, KSU16, CBK+17, EWH97, JOPW14, KS18a, KXX+16, KMK+14, LSL+15, LGYZ18, NS17b, PS10, PBT02, PCFP+17, RAKJ18, RMDB18, SHP+16, TMDZ15, WOPW13, YZGW18, YSW18, ZWZ19, WZH18].  

Euler  
[GA10].  

Europe  
[HB98, LID99, WIl00, Ano84].  

European  
[VA94].  

European  
[VA94].  

European  
[VA94].  

European  
[VA94].  

European  
[VA94].
XFM16, YJA03. Experiences [KB09b, MPB+07, ABB+03, ACE02, GMS09, Jon00].

Experiment [DGS09, BRNR15, MdOO+17].

Experimental
[GGH+03, LWW+18, CCT13, CPMG19, DCBF19, IAM+18, MLC+11].

experimentation [CPGBC16, GTSAR+14].

experiments [VRGR16].

Experiments [Hey90, PEG05, Vre88, Vre89, BPP+07, GL04a, GCV+14, MCSS00, MGH+05, MVT+99, PBC+16, PBC+17, PKSC02, dOWdAS+18, YA02, CN92].

Expert [CAS+18, Coo86, Hir89, Van87a, vdR86a, Ano87a, BT93, DFT92, DV87, DBS14, EOE86, Gil85a, Han89, Hen87, Kag89, Kom89a, Mar86, Mat89, Miz89a, OS92, Par87, Pud87, Ste85, Tak89a, Tak89b, VM93, WGM15, WYN+90, Yam89, YWA+89, Zem86, vdR87f, vdR87d].

expertise [DKKF18, KZA+18, SG17, Zad87].

explain [NZOCJ+19]. explicit
[HV92, MWPVB12, TS0B15, XLZ+14].

exploit [EDH+13, GGC17]. exploitation
[KLM+05, SK12]. Exploiting
[AM17, BCF16, CGIP14, CSL17, CLP+14, Joh79, MPP13, NS02, PQQPB17, RGN+18, WC14, Zha93, ADK+09, CC16, CPSRG14, HCC+14, HDM16, HMZ18, KAS+18, RG04, VVC+12, ZS90]. Exploration
[BKS98, BMP+16, DBD+14, RTHB17, RLR13, SGR19]. explorations [SSC99].

Exploratory [CFM17, Tak05]. explore [dSMDar+17]. Exploring
[ABdLL05, BFP18, HBN+13, LB03, LWF+17, MKS18, PAL+19, SSW+19, YZW+18, AMB03, SNC18]. Exponential
[EL03]. exponentiation [WSQ+16].

exponents [DE03]. Exposing
[CGL15, BBW08]. exposure [WG13].

Express [WKF03]. Expression [Ref87].

Expressive [Par90, Avg90, SCZ+14].

Extended [ZYXL05, AC92, DDV92, SCL14, ZGZ+10, ZWWL18, dB90]. Extending
[BDP11b, CS96, LWT18, RGDM16, SY04, Ste92, TG04]. extensible
[BMRW01, GB99, LKN+13]. extension
[GA96, SPK+07, VKK14, XZJ+14, ZWL+16].

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

extraction [ASY+18, Cha11, GKI05, GWC+16, HWWT12, PRW14, WM07].

extrema [PSS+18].

extreme [FRB+14, KNI+18, LJW+19, dSFP+17, TKRA14].

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

eye [KCC18, MKS18]. Eyetracking [PKA19].

Eyetracking-based [PKA19].

F [KK19, TEB86, Zem86, vdR87g, vdR87].

F-DAD [KK19].

F2C [SMBMT+18].

fabrication [SKT02].

Face
[GPV+14, CZ12, HWWT12, HNQ+18, HLL12, LTJK12, LLS18, PSS+18, YPC12].

FaceDCAPTCHA [GPV+14].

faceted [XZ14].

facial [SGL19]. facilitate
[GvdBL15, SHJ06, XLL18].

facilitating
[NAD+18].

facility
[RG04, LRJ+06, SDBdL06]. factor
[ADKS06, ED19, HDH+18, LWD+14, LNK+18, LZWF19, RSJ+14, WLS+18].

factorization [GMS18, MvdV01, WTS14, WYL+18, ZCH+17].

factors
[CN17, LCGPC19, WGM15, CSZW14].

factory [HMW+19, HMW+19]. facts
[CZ14].

FAIL [HTV07].

failure
[BMR15, DCF19, DNW+19, HWS07, LPM18, LJJG18, MS1+12, RRU+18, YIA17, vdR93a]. failure-aware [YIA17]. failures
[BDNP13, DLV07, GJY18, JS13].

Fair
[CA15b, HCC+18, WWW+16, YZ12, WXYL15].

Fair-Play
[WXYL15].

fairness
[KV09].

fairshare [OE13]. false
[LY17].

FAM [KKYK04]. families
[ZXM+19].

family
[GGS13, MCG+15, SLW11].

FAMOUS [KKA18].

FAN [CG09]. far
[BBJ+06].

far/near [BBJ+06].

farm
[BFL99, Bro92].

farming [KK16]. farms
[MD12, NP03].

farthest [FJ18].

Fast
[BLAN+16, DSK+14, GN17, GEAR13].
Faster [BRMN04]. Fat [WWQ+18]. Fat-tree [WWQ+18]. Fault [AFP07, DK14, GCV+14, LAM07, LYW+16, PCBD99, SAPA17, Xia06, AMH02, ASTEP98, ABF+15b, ABF+10, AGKZ18, AMR18, BCH+08, CLZ18, CdCD07, CY12, CCL11, DZZ+15, FD02, GdVC10, Han89, HTV07, KA08, KLO2, LCBF13, LHB95, LSTV07, LS01, LS08, PWY03, PIP18a, SG05, SPR+10, Suz89, THKG98].

Fault-prone [AGKZ18]. Fault-Tolerance [PCBD99, CdCD07]. Fault-tolerant [DK14, GCV+14, LAM07, LYW+16, Xia06, AMH02, ABF+10, DZZ+15, LCBF13, LHB95, LS01, LS08, PWY03, SPR+10, THKG98].

FCI [HTV07]. FCM [GGN17]. FCN [FC09]. Fear [MGA+18]. Feasibility [AKW90a, AKW90b]. Feature [MWQ+19, SLD+18, AUSA19, BM00, Cha11, DH16, FTK+14, GNGG17, JLQZ18, KP18, LZL+12, MBB+11, MDD+15, MGA+18, NK18, PCC18, PSS+18, PaDLs+99, SK06, WM07].

Feature-based [MWQ+19, PaDLs+99]. Features [NS17b, AMBB18, AKP+18, AGA18, BLMU19, CPP+18, CAL+18, DGST09, FNA12, GAFFOG12, HO02, KHO+19, KGW95, LYXT14, WLZ+14, XPL19, YXY18, YGY+19].

Featuring [LLH+03]. FEC [EBCP18]. Federate [BCF+10, CYL105]. Federated [BR10, SVC+07, APA17, AK14, CFVP12, dCCDF015, CGJ+10, GCV+14, HFM19, PP10, PBV+13, PPR16, PLL+15, SLB+17, SLZ+18, ZZDM+18, EH10, LHL09, Lea13, Lea15, TS08]. Federation [FMN+17, VHML10, COC10, FLPP05, KBB+16, RBH08, TOS18, YNSM12, CM+14].

Federations [Erd13, FRZ19, MLM16, MPR+16, RMHMG17]. Federative [HB00, Joh92]. Feedback [GSLi12, CWJ+18a, PQBP17, WWSM98, ZXD+19].


Filtering [SR12]. Filter-based [NS17b, AMBB18, AKW90a, AKW90b]. File-based [KLSS05]. File-sharing [MM08]. Files [LLF+18a, SCY01]. Filesystem [MCQ+07, YZY+18].

Filter [HAA+16, HIA+18c, JYZ+18, NUPA19, SGB+18, TM05, WC14]. filter-bank [NUPA19]. filter-wrapper [HIA+18c].

Filters [ML17, LLYW19, ZL13]. Finances [BS04, Par94]. Financial [AMI16, Kea93, KK14, QGT+18, TMYT05].

Finding [BBH18, CsdCM+17, LX+18, LG18, DvdHgdL09]. Findings [WBMP99]. Fine [SJ18, AMBB18, CZZ+18, JLY+18, LCL+18, LZLL18a, LC03, LZHY19, MLW+18a, VVB11, WC14, XTL+19, YAX+18, ZMP10, ZSL+19]. fine-grain
fine-grained
[AMBB18, CZZ+18, ILY+18, LZLL18b, LC03, LZHY19, MLW+18a, VVB11, XTL+19, YAX+18, ZMP+10, ZSL+19].

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

fine-grained [ZFS+18]. finger [LWF+17].

Fingerprint
[MPH00, GAFFOG12, LZL+12].

finger-printing [KPB18, RS17b]. Finite
[Tab06, AO06, BVDFO0, CS93, LDS06, SW05, Tho06, WAE06]. FINIP [JLY+18].

fire [ACML05]. firefly [LZWFI9]. firewall
[HCNT14]. First
[Gil94, SLZ95, BT93, Che13a, GTCZG+18, HRJ+06, Par87, WRBG94, SO98].

First-principles [Gil94, WRBG94]. Fisher
[CLY14, HLL12]. FitCNN [LYL+19].

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, SCH+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, BLRS98, Dkj19, FTD17, HLL+11, IG12, NOF18, PCC+06, PKS92, SGS+18, Tmp15, WCL+17a, YCXW18, ZAB15, ZFH+18, tTvH96].

Floating
[FGG03, KXS+16]. flocculation [vOB95].

flock [ELvD+96]. flood [LPK17, LPK18].

floor [DDV92]. Flow
[Ama88, Ama89, BKS98, BDNN02, SCP09, WMN+01, ABMSEM18, AKH+04, CAL+18, CH95, ED40, FM10b, GKS05, GS15, GY90, GLX+18, HORC04, HvHAS04, KLJS19, LRE+18, Rv95, SDLSP04, WVCV94, VFS01, XSM15, XDH+17, vM94, CG09].

Flow-Aware [CG09]. flower
[GHEB+18, GJ18]. flows
[AJZ+02, AbDl+03, CDRS05, DS04b, GL95, HAF+16, IO004, KDHP16, KGT15, LF95b, Prz03, RZDM01, WBJM14].

Flubber [JLI+13]. fluid
[CM99, GPS+17, WJLW18, Wes99]. fluids
[FPdS04, NEJP94]. Flux [DDJ+13]. fly
[BTM10, HPZL18]. flying [VLC03]. focal
[AHD+19, Ram95]. focused [CY12].

Focusing [HPP+18]. Fog
[FSV+19, MMC+18, NWT19, PDH18, PGTB18, SM18, WZH+18, AZH18, CLCY18, CdRRdCB19, FFC+18, HDA+19, HCW+18, HXC+18, JSMG18, KHI18b, LLYW19, LDY+18, LLZ+18b, MLW+18b, MGA+19, NDA+19, PSY+19, QRB+18, RGN+18, RR18, TGM+19b, VCL+19, WWDF18, Wan18a, WDKV19, WPS+18, YSHM19, YAX+18, ZCT+18, ZCL+18, ZF18, ZSW+18b, KK19, RLM18, SMBMT+18, YXA+18]. fog-assisted
[NDA+19]. Fog-based
[WZH+18, WWDF18, KK19]. Fog-cloud
[SM18, LDY+18]. fog-computing-based
[PSY+19]. fog-driven [FFC+18].

Fog-to-Cloud [SMBMT+18]. fog/edge
[RR18]. foggy [CLC18]. fold [AHMS18].

folding [DCK03]. SSLF91. folding
[DDJ+91]. foliations
[MPQ03]. followee [CCJ16]. following
[MYW+19]. foot [XLF19]. footprint
[BEWZ10, Dyi+16, LY+18b, VCC+12, KK11].

footprints [WNR19]. foraging
[RC13, VR12]. Force
[VLAC+13, FZT+18]. forces
[LMK91, PO00]. forecast [LCL+18].

Forecasting [PLA18, PSP+09, CLRL18, Che14, HZL18b, JH16, KSSG16, LFWV05, LPK17, LPK18, LLW+18a, Lin18, PGTB18, SG15, WSH99, YGY+19].

Forensic
[SK18, DC18b, QC13, QC18, VOCHC17, XFTZ16, KKA18].

Forensics
[JJL14, CDFW18, LHJ14, PD11, YHA+19].

forest [BYL+18, CY90, JNH18].

Foreword [LL04a, Mes92]. FORK
[HSS92]. form
[GTSAR+14, HXY13, Tho06]. Formal
[BHH91, BHH92, PLCGS11, AHdJF97].
AMMC18, MKM11, Szu01, VV16, XYLZ18.
formalism [BG14]. formalisms [OCW14].
Formalization [WZ16, ZW10]. formally
[HKA+18]. format [AHL11, ZWL+16].
Formation
[MCA02, DDL01, DBS14, FMRS18].
forming [FZT+18, HW95]. forms
[EL03, YCZJ18]. formula [RS16].
formulations [SS03]. forthcoming
[Ano94].e. fortification [KPS18].
FORTTRAN
[RB93, Ben99, CMZ95, Din99, dSL98].
forums [EV99]. forward
[KDHP16, KJ8, KS17a]. Forwarding
[KIMR15, FFL+19, MDB+18b, MVL18b,
MRS18b, WZW18, ZCW11]. FOSS
[JMA19]. found [SSF+10]. Foundation
[FPX+19, NSF87]. foundations [FLP05].
four [SYCH18, CsZW14]. four-band
[SYCH18]. Four-factors [CsZW14].
Fourier [DDL01]. foxtail [DIJ+18]. FPGA
[ABF+15a]. FPGA-based [ABF+15a].
FPM [CsZW14]. fractal [IASK14, NCS04].
fraction [WTS14]. Fractional
[BWR12, BW13]. fractures [RBGA18].
fragmentation [MSE19]. Fragmented
[ML17, CC07, CCS+10].
Fragmented-Iterated [ML17]. frame
[JLY+18, KTM+08, LYS12]. Framework
[ACC+19, ABT18, GTEL+18, KV17,
MK19, MI+18, MMWA10, SD99, SDK91,
WWV17, ABMM18, ABMC18, ABMMC18,
AB19a, ABGMC19, AAF18, ASAB+18,
AT18a, AAS17, AB18b, BvdV99, BBW08,
BF99, BOR10, BGS+19, BOP+14,
Boa04, BAD+05, BDH14, CVT19,
CPGD+13, CMEA+19, CWD04, CSW06,
CB1A15, CKR16, CCLS09, CCS+10,
CFPC17, CCCP19, CGM+18, DCS+07,
DP03, DMPP16, DPS16, EAA16, EV96,
FTA+14, FHYH15, FJ+18, FPGK18,
FvLTT98, FB93, GVB13, GGC17, GR96,
GPK05, GVdBL15, GMP+17, GIK18,
GBK18, HAP15, HHK18, HEES19, HAF00,
HMA+18a, HLL+11, HXC+18, HAA+16,
HIA+18c, ISS+15, JSZ+19, KSF+13, KC14,
KFF89, KH19, KPA17, KuRAK+18, KV09,
KAS+18, KGLY18, LS07a, LS07b, Lau01,
LJ07, LQK+16, LKJ+19, LLF+18b, LM07,
LvW14, LLM+16, LSL+18, LYL+19,
LKK+16, LSJ+14, LS08, MML+18, MNV12].
framework
[MID16, ML11, MMLO18, NK15, NJ18,
NZQ07, NJ16, NOF18, OK02, Osm19, ŌE13,
PBV+13, PAD03, PLCGS11, PP01, PP05,
PMT10, PVBH05, PSS01, PFPF+17, QP08,
RBA17, RSR18, SRZ15, SMPC12,
SYJ+19a, SA14, SBAD+18, SMSF18,
SAP+10, SG14, SDC11, SYW17, SGS+18,
SSB05, SBK18, SYAL13, SLB+17, TSL+11,
TY11, Ven09, VK17, VWD+08, WLL16,
WMQ+16, dOWdAS+18, WLA18b, WG13,
WHYZ17, WHYZ18, XFL16, XWBZ19,
YMLT13, YD05, YPH14, YCZ18, ZSX+15,
ZCK+15, ZYTC15, ZQZ+13, dNE05, AW03].
frameworks
[BDP11a, DJ13, EET18, HZZ+14, IAM+18,
MG18, Pap05, VEET18]. France [Zn94].
fraud [SC19, ZZH+18]. FRDT [KK11].
Free [Ane87, Ane087b, Ano87c, Ano87d,
KT18, Zad87, BS04, BB06, CWL+18,
CM03, CWW+16, ED19, FZW+18, LTC12,
LZLL18a, LL16, LGM10, PWA+19, Ray05,
SMM+14, TJ8, WSU+10, YLL18].
free-boundary [BS04]. free-riding
[WS+10]. frequency [AQ15, CP06,
CJHH13, IPCA+16, KAN18, MC00].
frequent [CU13, CLM14b, IHA18,
KZCW13, LY17, LC15, LHW+18]. fresh
[GWC+16]. freshness [JJ1+18]. friction
[Ned06]. friend [MML+18]. friendly
[KUR+18, KBB+09, KLW+16, WHZ19].
frog [LCW+18]. front [LLM13].
front-end [LLM13]. frontier
[GML+13, TZST14]. FRP [RRU+18]. fruit
[HPZL18]. fruits [HMA18b]. FTA [VR00].
FTL [PLZ19]. Fujitsu [Uch86]. Full
[JJ1+18, AC92, BRL19, JK17, WGX+19,
ZLL17a. Fullerene [She04]. fully [CCL11, HKS18, IST04, TY11, ZJX+14].

Function [VV92, MCJ19, NK05, Omo91, SLL+18, SYL+19, WLXZ18]. Functional [ABF93, BS91a, EGG04, BH18, BS92, BRHH18, DMM+99, DR504, DD07, GSV+10, HK88, HRJ+06, MSS02, YAO14]. functionality [KID+16, MCQ+07].

functioning [BR504]. functions [BBH18, Dua94, FJKK17, KDE04, KTB18, YCL+19, vdR87g]. fundamental [AGKZ18, EHT10, Hul89, YHL18]. fundamentals [Kag89]. fungible [ABP18]. fungus [Jun18]. furnace [YWA+89].

FuSeR [SMZ+16]. Fusing [GJ18, LYX14].

Fusion [KPF+02, SCG+18, CMZ+18, DGA18, FTK+14, GHEB+18, GCC18, JYZ+18, KCC18, LSL+15, LWT18, LWY+18b, LZY+16, PCC18, TCC18, YLV15, YZG+18, dPFPG19]. Future [AB19a, ADALZ14, BFS+17a, Car03, Chk11, Cha14h, CDFZ16, CRM05, DO15, HYZ16, HYS18, KSM+07a, LKM91, MR04b, NG03, NDZ+18a, NDZ+19, AR18, ACSdRR17, ANO87b, AGMT17, BS17, Bis94, BHD09, CLCY18, DD86, Fuy91, Fur92, GMS09, GBMP13, Hul89, Kim07a, KARP14, LLMP13, MYBM18, Nag86b, PTD+18, PWA+19, SB99, URMK19, Zhu14, dCTVC18, SLO06a, SLO06b]. fuzzifying [YH18]. fuzziness [FLR+16].

fuzziness-embedded [FLR+16]. Fuzzy [AS18b, HZL18b, IS18, KLV+18, NDZ+18a, NDZ+18b, NDZ+19, SMZ+16, XL19, Alp18, SYJ+19b, Bag16, Bu18, CPE+17, Che14, CAL+18, Che18, DNW+19, GBY16, KHM13, LSZ+16, LAH10, LWYS18, MLGGB+17, OMD+18, PBO5, RAK18, YAO14, ZMS+19, ZL04b, ZDW+18, vdR87f].

FV [GL95]. FVM [LF95b]. FvRS [XTF+19]. FY [NSF87].

G [vdR87g, vdR87h, ABG02, AT19a, AVPV17, BGH+03, DPK+19, FNA12, GRPL04, HBJ+03, THN+06, WTR+13, WBF08].


Gait-based [WCB+18]. Game [FPSC18, IS18, KIMR15, LC18S18, YLWW18, AY16, DL14, HSBE19, JLQ+17, JLC12, KMC18, KK14, LJ17b, LN13, LY19, LWYS18, SBK18, TLS17, WWRS16, YMY+17]. game-based [HSBE19]. game-theoretic [JLQ+17, JLC12, KK14, TLS17]. games [AW19, JLQ18, LCC19, PN09, YC13].


Gauss [HPP94, Jun18]. Gazetteer [CAS+16]. Gb [ABB+03]. GbE [WLRL18]. Gbps [KSW+13]. GCell [vOB95, Cro95, RV95]. GCell-3 [Cro95]. GCel-3/512 [Cro95]. GCR [VS01].


General [AB19a, BFS+17a, Cha14b, HYS18, KSM+07a, NDZ+18a, NDZ+19]. General [CJXX19, HNGG05, SL97, Zha94, AKW90b, BRN15, FNB13a, HZQ14, LDHS95, PCC18, VBB11, WZJ+17, WHP09].

general-purpose [AKW90b, BRN15]. generalizable [LW14]. generalization [WWZZ18]. Generalized [KYO4, IS03, MvdV01, PSLZ18, SKT+08, SA97].

Generalizing [PPH+09]. generated
[ADH+16, CDG+14, CPSD18, CSdCM+17, CSP13, DNIJG17, HSP+13, KDHP16, LZX16, MAPA19, RBJ+13, VD16, WMQ+16, vW19].

**GPU-accelerated** [HSP+13, LZX16].

**GPU-based** [MAPA19], **GPUs** [RNR18, vWMBS14]. **GRADE** [FK11, KDFL99, KKS08, WDD00].

gradient [Cro05, MLW18a, Ven08].

**gradient-based** [Ven08]. **GrADS** [YD05].

Graduate [HY03]. Grain [Vre88, HV92, Vre89, WC14].

grained [AMBB18, CZZ+18, JLY+18, LZLL18b, LC03, LZHY19, MLW+18a, SJ18, TDK+14, VBV11, XTL+19, YAX+18, ZMP10, ZFS+18, ZSL+19].

**GrAL** [Ber06]. **gram** [ZXM+19]. grammar [HK88]. grammars [BM00, Hal88, Rus90b]. **Granary** [YZW14].

Grand [Hul89, Kol89, Wil89, Rh90].

Granularity [ABF93, AR98, MVC+13].

**GRAPE** [CLP95]. **Graph** [KB00, VSDD13, Vre88, AdI14, AB18a, ADLM18, BK97, BHK90, Bioc05a, CWJD19, CWJ16, CWJ+18b, CGM+18, DL04, Gut00, HO17, HDH+18, khsZwJW18, JHC18, JLD+19, KSAOK08, NS17a, NS19, RSV90, SLG+17, SM+14, Vre89, KWR+13].

graph-based [Gut00, HO17, SM+14].

graphical [BFL99, KDFL99, SSKF95].

**Graphics** [LM90b, Igl04a, MJ00, SLDK03, SW06, TDL05], **graphs** [BKBI8a, DCMB15, DKFK18, GRMOSG18, JW14, KKI14, LYW+18a, LSG18, LL18, MG11, Nag88, vdLLE19].

**GRASP** [PFRC16].

**GRASP-based** [PFRC16]: **gravitating** [KMN+05].

**gravitational-wave** [Fin99].

**gray** [CSG+18, GDAS18].

**gray-box** [CSG+18].

**GRB** [ACE02], **GRB-GRSFT** [ACE02].

**GRED** [KDFL99]. **Greedy** [SOD18, SK05].

**Green** [GDS18, KJFS12, NNLH18, YZZC19, DWS12, HCHH19, LLW+12a, LJL12, MMPP19, WCC14, YLHH14, BMK+14a, ZSH12]. greener [DKK+13, VTKK17].

**Greening** [GFW+18].

**GRELIN** [Höf03]. **Grid** [AJY15a, AJY12, AJY15b, AC10, BB13, CMA11, CPGB16, CC11, CO9, CCM+14, JY15, KCH+13, KSM+07a, MFE+08, MJM16, NJ16, PAC+17, SGH+08, TJLT00, VBP03, Zhe07, Abo06b, AMN18, AOS18, ABG02, AAB+07, ASW11, AT18b, AG05, AMT+12, AEM10, AH11, BLG08, BdCYG05, BBG+05, BBLP05, BCC+17, BGH+03, BS04, BGL+05, BMH10, BX04, BGK+05, BCB+07, CSV+12, CT02, CDF+05, CTG07, C05, CCLS09, CCE+14, CPSG14, CEC14, DLW07, DHB02, DST10, DW11, DDM+08, DSS07, DLS+12, EK11, EMM12, FG18, FK12, FMSS12, FQBCF15, FFPS10, FM08b, GRH05, GH294, GD10, GSV+10, GMB+05, GLM+08, GP09, GFW+18, HWS07, HZC+08, HB08, HY09, HAP11, HCL07, HHW11, HML09, HMP04, ISS+15, KKS08, KTY03, KVR15, KZ17, KA08, KIS11, KCK16, KCV11, KV12, KB09a, KKL11].

**grid** [LLC11, LYL10, LXJD18, LL04c, LC05, LYMZ09, LWSC07, LLSH07, MCQ+07, MCN+18, MLG+18a, MMV08, ML11, MJ06, MGR11, MLBS11, MW12, MCC10, NAGD18, NHG02, NHG03, OB17, OER13, PSS13, PP07, PSR+07, PEG05, PBB+05, RSS10, RC13, RLP12, RSSD02, RWV+13, RvdSB+03, RMCMD12, RM11, SMPC12, ST11, SVC+07, SAMN02, SPR+10, SSK13, SPCL04, SPEW09, SD07, SBA+05, TMT+07, TMTY05, TV16, TSB11, VS13, VHV11, VLO03, VLB12, WF01, WSS+09, WV17, WL05, WHP09, YHJC05, YHL+19, YD05, YdOLS+05, YY11, ZS05a, ZS08, ZCLW18, ZZZ09, CCG07, FGM11, FRO8, MVRM08, MSKT07, MM10, AMD08, AFP07, ACC+05b, ABB+05, ABB+03, AT02, ADF+05, AR10, ANO8, AM10, ADK+09, BBK11, BGD+06, BMFC07, BCT+07, BPP+07, Ber06, BLAV06, BST+08, BP10, BAMA07, BR10, CCM07, CGM+07].

**Grid** [CSJN05, CT+08b, CWW+13].
COC10, CS12, CC09, CCD+10, CCHW03, CGL+10, DCS+07, DS+11, DMG+08, DPK08, DS08, DME09, ET08, EPJ+05, FGCM07, FT07, FS07, FM08, FdSc07, GR09, GRPL04, GRL11, GFR*06, GMA07, GMS09, GGM*09, HBB09, HKPT10, HT02, HJC10, HSH+07, Hua05, HPLL08, HPLL09, HML07, ILJ+08, JS12, JAA07, JP05, KT08, KWR+13, KA09, KMI11, KRBZ12, KMB+02, KN10, Kim07a, hKFC09, KV09, KMK09, KBB+09, KVHT10, KSM*07b, LS07a, LTO707, LWHC07, LwsW+04, LGW07, LB09, LK10, LGK08, LOJ+07, LW08, LSTV07, LKO8, LJS08, LSL+15, LBB+09, LS08, LWHS07, MTNM08, MBB10, MLD08, MKT09, Mer13, Mess02, MHA09, MWMA10, MG10, NF13, Nsp05, NHG06, NJW+06, NK07, NJHT11, Ole07, Pa06, PP10, PKC+05, PW09, PS+09, PBC+11, PT05, PGPW09, PSp+09, Pro07, PDDS10. Grid [QP08, RMCN+10, RGC+10, SAGL10, SBHD08, SBB+10, STA17a, Sin07, SIL+13, SSF+09, SLS+09, SSK+08, SDD+09, SJTG07, SVB07, SHLB08, SSSL+10, TMV+07, THN+09, TLYT05, TLYY06, TLL+11, TG07, TK+08, TDF07, TBF09, VGBLGS+06, VPT+10, WH05, WC06b, WC06a, WCHL10, WS05, WBT05, WXZL11, XA10, XAW+10, YW12, YLC+06, ZMP10, ZLTY10, ZL04b, Zhn04, Zhn07, ZDR07]. Grid-aware [MMVV08, PSR+07].

grid-based
[BG+03, CSV+12, GHWZ94, LJY10, MW12, YHL+19, AN08, DMG+08, DS08, NPS+09, VGBLGS+06, YCX05].

Grid-computing [YW12]. grid-enabled [GLM+08, IWSC07, MJ06, GRL11, ABB+03, EPJ+05, FS07, NJW+06, PKC+05, XAW+10]. Grid-enabling [KT08, SSK+08, SSSL+10]. Grid-like [Ole07]. Grid/distributed [hKFC09].

Grid/P2P [Kim07a]. Grid2006 [BGL08].

GridFTP
[ACE02, CG09, RSK16, RKSU08]. GridICE [ADF+05]. Gridification
[VWD+08, MZA08, MZC10]. GridLab
[SMN02]. gridless [BVDF00]. gridmap [ACC+05b]. gridmap-file [ACC+05b].

GridNetworks [SCP09]. GridR [WSL+09]. GridRPC [CCDS08, SKT].

Grids
[HAP15, YCY10, ZS16, ACC+05a, ACH+11, AR15, AWN+13, ABM+07, ASD12, ABF+03, AR07, BM12, CCL07, CGL08, CLH10, CH10, CCS+10, CD08, CGJ+10, DVB14, DT08, DPL14, FLPP05, Fra08, GCBM17, Hua10, HBN+13, IT05, IAL10, KKI0a, KKI, KKX+14, KFC+07, KJJ12, KK10b, KIC12, SSLP12, LAH10, MLG13, MGV+18, MPPV9, MWPVB12, MVC+13, OM10, OK02, PGSM05, PS10, PT16, PX07, PGCC+10, PP+09, PPSS06, QPTGG+12, RR10, SR12, SHB10, SPMC10, SB+09, SMD11, SSL12, SGI+08, SSSC11, SSCI, SSI3, TZZK13, TJWS10, TPBS14, TV08, Tor13, VDPHS09, VKK14, WFC07, XY15, ZCW+10, vOH+05, vSD04, GHWZ94, AL14, CC07, CCL09, CT09, CB10, CGST09, DFC+08, DRNMC09, Dog09, EGK+07, EH10, FMS08a, GXL+12, GCC+07, GBS10, Joh02, KFP+02, KNK+08].

Grids
[KTM+08, LS07b, LHL09, Lea13, Lea15, LH08, LKA+08, LK08, MF05, MT05, MHA08, MV09, NZQ07, OV+09, Pa09, PH07, PK08, QFe07, RPMG10, SYT09, SVN10b, TDV+08, TTP+07, VLOK9, VDK12, WS10, XCGD10, YYW+09].

GridSim
[HL12, SPBT07]. GridUFO
[MWMA10]. GridWay
[RMHC05, TCR+12]. GridWay-based
[TCR+12]. GridX1 [ABB+07]. GriFF
[ML11]. Griz [RvdSB+03]. GrooT [vdR87h].

groundwater [ZW19]. Group
[AY15a, CB10, HW04, Bag11, BKSS02, BC3, BCF16, BDL06, CDDR17, CM03, CY04, CLM+16, CJW16, Fio06, FMRS18, GCK18, GZL+18, GNVT14, IOV+18, LM07, MHC14, MPQ03, NNX09, NWD+18]
PP06, RLP12, SCEC18, VCDK18, YZL+18, GvdBdL15. Group-based
[AJY15a, CB10]. group-key
[IOV+18, NKX09]. Group-oriented
[HIWW04]. group [LYQ06, PWMX17].
grouping [GML08, Mor01]. groups
[BCF16, CW04, LPE08, NSL02, ZZ15, ZDR07]. growing [YJHZ14]. growth
[KZCW13, SUD+98]. GS1000 [LM90b].
GSA [CGJS18]. GSC [GML99]. GSC-II
[GML99]. GSIB [Hua05]. GSI FTP
[ACE02]. GSP [KSS11]. GSR [LC17].
guarantee [LGL+17, SCZ+14]. guaranteed
[KLPI9, XT18]. guaranteeing
[CM17, LLW+12b, MKT09]. guarantees
[GJF+12, KV09, SBR+16, ZFW14]. Guest
[AB01, AD00, Ano01c, BJB13, BJCO02,
DHS00a, DDS00, Fl03, HP92, HB98,
Kaa98, Kaa99, KK00, LBR02, LC01, SG95,
Tan02a, W100, ZEO01, vdR93a]. guests
[JK17]. guidance [JYZ+18]. Guided
[GZS14, ZSMS18, EdBG18].
guiifi.net [BFF18]. GuiGen [RSSD02].
GWpilot [RMHCMG15]. GXP [TMM+13].

H [vdR87]. H.264 [WC14]. H2O [SSB05].
HA-OSCAR [LSLS05]. Haar [MGA+18].
hadoop
[GGN17, CRB+16, IPCA+16, NK17, RD14,
TF18, WTR+13, WLHH18, YIA17, ZTD+18].
Hall [vdR87a]. Hallam [vdR87a].
Hamiltonian
[MR04b, Avo06, MR03a, Sjr13]. hand
[NUPA19, XL19]. handheld [RSRA16].
handle [GGDM+18, LZW+18]. Handling
[BMZ10, Goo01, HSS00, HHL11, SGB+18,
XWL+18]. handoff [SSL10]. handover
[LLL+18b, PSL+04, YHL16]. handshake
[LWL+18]. handshake [CJG+18].
handshaking-based [CJG+18]. haptic
[WWSM98]. hard [KV09]. Hardware
[MHY+18, TBK06, YLJ+17, AMN18,
DSS98, FFC12, HHSW92, Hum92, KDHP16,
KKvdB+17, LAL+14, NWE04, PAB+14,
RSK16, TLF+15, YAJG+15, CLK11].
hardware-assisted [RSK16].
hardware-aware [PAB+14].
hardware-based [DSS98].
Hardware-oriented [TBK06]. harmonic
[BB04, KDF04]. Harmonizing [LTZ15].
harness [PL96, BDF+99, FD02, MS01].
harnessing [FQBCF15, ZZ18]. Harris
[HTL+18]. Harrod [GDRS04]. Hartmann
[MAPA19]. harvesting
[DJ+18, TSD18, VF18]. Hash
[JJ14, CHS+18, HLL18, JFDF09]. hashing
[QZD+18, ZZL18]. hashtag [ZZJY16].
Haskell [BBH18]. HASTE [PPJ95]. haul
[RSK16]. Hawaii [Hul89]. Hayes [Zem86].
Hayes-Roth [Zem86]. hazard [LIJC18].
HB [FYH+18]. HCN [ESP17]. HD
[HSP+13, JHL+06]. HDFS
[TMDZ15, WZML18, YSC+15]. HDS
[PIP18b]. head [FJJ+18]. Healing
[LBHC16, AFB+10, GZL+18, dSGD13].
Health [BSRR18, LHL15, RGN+18, Rao17,
ABZ15, ABC+18, CN16, DP19, EAS+18,
GFD14, Ham19, HIA+18b, MID16, ML19,
PKY+17, Pol98, PPS06, PPAK99, SPS18,
TCN+14, WMX+17, Wt94, YZL+18,
YZG+18, YK017, ZAA+14, LG16a].
health-shocks [MID16]. Healthcare
[WRK+15, WLP18, ZZXL18, AASI17,
ASO14, AHMS18, CPD+15, CLH+18,
CZZ+18, FGW+19, FFC+18, FRM+18,
HLYW17, HX4+17, HZM14, JNS+19, JP18,
JTB515, KKB18, Kim14, KLV+18, LWW+18,
LZLL18b, MVL+18a, MGX+16, MGA+19,
PMDS18, RBA17, RGN+18, WLS+18,
XKBA18, ZCK+15]. heap [KP12]. Heart
[GMDFPLC17, DH16, DNW+19, LGS+07,
RJN+19, WLZ+14]. heartbeat [SD18].
HEFT [ZZS+19]. height [CFL+18].
HELIO [BBC+13]. heliophysics [BBC+13].
help [Ueh89, SCN+14]. Help-On-Demand
[SCN+14]. hemotherapy [AT1C+16].
HEMT [Abe92]. HEPart [YWCC18].
heritage [CGN18, MKS18, PMMM+18].
PC18b, WDJC18]. heterarchy [DS04c]. heterogeneity [BL15, PLLA18].

**Heterogeneous**

[GBA +09, KV17, PZY16, PIP18b, Sun92, VF18, ACGr02, ADAD12, ABTF16, AMGCC18, ACK +15, ABP16, AB17, AB18c, AB19, BDNP13, BBD, BL02, CPGr5 +13, CDCG +14, CsDMC +17, CBAP18, CBK +01, CXXM18, CDDR17, CBCA15, CG02, CKFJ06, CXL +17, CSL18, CS09, CFG +05, DZ04, DPK +19, DT16, DRNMC09, DR18, DCMW17, DY04, EP12, EW97, EMHE18, ECFP17, FMSS12, Fer96, GS16b, GVA +16, Hsfo3, HCL07, HXL90, IPG +18, JLY +18, KANS18, KKB14, Kos95, LJY10, LZXW13, LGY +16, LWZ18, MT17, MM03, MRS18b, NNRA19, NK18, OG18, OVDV98, Öst92, PSP16, PNZ14, PZY17, PDS10, PBB +05, RD14, SH +16, SAGGB17, SJTN18, SZK16, SLS10, Shi04, SOIS12, SFR15, SSL13, SB16, SK12, TTH15, TIP15, VD16, WC01, WWH16, WHS +17, WCW18, WZWC18, WZWC19, YLJ +17, YS16, YCZJ18, YHH +19, ZG19].

**heterogeneous** [ZMP10].

**Heuristic**

[AA18, Bal91a, WL05, AL18, CSL18, CS +19, HZL18a, Sha16]. **Hierarchical**

[BM12, LLW +18, LOJ +07, ASTEP98, ABF +15b, CFGC03, CWW +13, EK11, EV96, EWG99, FK12, HV92, HYS17, HYS18, HML09, KX11, LG08, LLZ07, OSCP93, OCCK14, PRC +14, QPTGG +12, RKB18, TTC +14, ZB19, ZDR07, ZLY10]. **Hierarchical**

[CBK +01]. **Hierarchies**

[ECFP17b]. **Hierarchy**

[ZZ90, LHC03, XL19, ZH17]. **High**

[AB01, AJY12, APS +19, AQB15, BBC +99, Bhu95, BM92, Bis94, CST92, DRS +97, FBS18, Gen95, GJG13, GAB +96, HSS92, HGM15, HML +06, HPS03, KDD16, KBP +03, Kd12, KKK07, LYS12, MFP05, MKH13, MDT +18, PMMAM13, PIP18b, SEH99, SG14, Ste94, WHM01, WQG15, WMY +18, WBF08, Wri19, WXGM18, ZS +15, Aba09, AF16, AP16, APF07, ABB +03, AC05, AMW99, AB03, dRADFG18, BL98, BMFC07, BC17, Ber96, BC99, BS04, BGM17, BRHH18, CND +19, CGT07, CWD +08, CMS +18, CHJ +04, Che14, DCS +07, DJPM18, DCC +14, DJJ +18, EP13, GAFFG12, GNY10, GSC11, GGH +06, GGSZ09, GHO +11, GJ10, HAF +16, HHSW92, HDC +94, HAE +03, HKPT10, HDB18, HG92, HAB +06, JRC +11, JLC18, JM02, KHG13, KMB17, KM +02, KPM +18, KMK +14, KSM +07a, Ksm07, Lau01, LSL05, LRJ +06, LRJ17, LC01, LHX +18, LSH +11, LS02]. **High**

[MWL18a, MI01, MAPA19, MR03b, NWMG17, OS01, PH99, PD +11, PC09, RPA +18, RJH +09, Reu03b, RS17b, SB14, SFMC10, STG +98, SGFS01, SB97, Sch03, SGKC10, SEMJ11, SK18, SDLK03, SSZ13, SRG +03, SRCR17, SYL18, TSWL17, Tbl16, TSP99, TCN +16, Tur18, VBP03, VSN19, WXLY16, Wdl16, Wei11, Wit94, YDK11, YK17, ZYX +18, ZBCT17, ZCQ +16, ZYTC15, AML11, Ben99, CMZ95, Din09, HB98, Ld09, LBB +09, MLC +11, Wil00, dLS18]. **high-available** [SB14]. **High-definition** [HML +06]. **high-dimensional** [BS04, CHJ +04, DJPM18]. **high-energy** [ABB +03]. **high-latency** [ABB +03].

**High-Level**

[HSS92, WBF08, dRADFG18, BMFC07, CMS +18, KMK +14, KSM +07a, KSM +07b]. **high-order** [Che14, DJPM18]. **High-Performance** [BM92, SG14, WXGM18, AB01, BBC +99, Bhu95, GAB +96, KDD16, MDT +18, SEH99, Ste94,
Aba09, AMW99, CWD+08, GGH+06, HHSW92, HKPT10, KBM+02, LRYJ17, LH+18, LLSR02, MI01, Ren03b, STH+98, SFGS01, SB97, Sch03, SGKC10, SEMJ11, SSP17, TbkIL16, Tur18, ZY+18, Lid99. High-quality [TSZP99]. High-resolution [KPB+03, DCC+14, JRJ+11].

High-speed [LYS12, MFP05, AB03, DJJ+18, HDB18, HG92, HAB+06, LSH+11, MWL18a, MAPA19, RPA+18, SRG+03, VSBN19].

High-stakes [CND+19]. High-throughput [ZSX+15]. Highly [CD16, LN18, MRH17, SBSdL06, BLRS98, CWJ+18b, Frˆı14, GVI13, JSS+12, JM01, KSY92, MAC14, MCA+18, PMLVLS+13, Tor13].

Highway [HIC´AFM+06]. hints [dNE05]. historical [JH16, PGPW09]. history [YWJ+18, YSL19]. hitting [SsdCM+17].

HLA [BKK02, CYLT05]. HLA-based [CYLT05]. HM [dSMAdR+17]. Hoc [BLMU19, CNP+19, GR07, HHK18, KKN18, KIA17, LLYW19, LBYL08, LM07, LJJ+11, MV09, SGGCR+16, SM01a, VCD+18, YFY+13, ZF16]. holder [FZT+18]. holds [PM00]. holes [SHB98, SK12]. Holistic [BBW+18, LJGW18, Ano12r]. Holland [vdR87c, vdR87e]. holographic [CGN18].

Home [HMC06, ACPI19, AC18, CBPP18, JBC16, MVL18b, PMDS18, KADJ14, SLO+05b]. Home-based [HMC06]. home-forwarding [MVL18b]. homes [Bae14, LRJG19, Mat18, OCW14, TOD17, TZL+18, YSHM19, GMLGB+17, HSS17].

Homogeneous [TKA18b, H603, HXL90, PSPP16, SSP17]. homologous [BORM07]. homomorphic [CJXX19, MK17, RST+16, ZXJ+14]. homotopy [CFVP03]. Honeyeypot [PD11].

Hop [WWTF18, GNWT05, KESL17, LLAW17]. HOPE [LM12]. Hopfield [TZBK13]. Horizons [Hel16]. horizontal [KAEC+18]. Horse [CLK11]. horticulture [KH89].

Horwood [Ano86i, Ano87b, Ano87l, vdR87d]. hosted [YKK13]. hosting [PVN+12]. hot [HSH+07, LZL+17]. Householder [DV03]. HPC [LPK18, SG14, AHEM17, ALM+10, BC15, BC17, BL13, BHRT98, CXD18, CLP+14, CGL15, CRTN17, DMSS97, DYT+16, ETR+13, FDGR14, GDP+18, JOPW14, KBVH14, LPK17, LZX16, MAJ18, MGR11, MDO+15, MSM+18a, PA01b, RRP+14, SNC18, TZQ18, TKR+15, WMLS14, WOPW13, WG13, YZ18, YDT19, ZGB+17, ZME+15].


HTM [WHZ19]. HTTP [WLYL11]. HTTP-based [WLYL11]. Huard [HPP94]. Hubert [Zad87]. huge [CWW+13]. Human [LY19, WCB+18, ABD+19, BAPS14, CZXL18, CPMG19, DMMP98, DIK+06, GMP+17, HUMA18, HZ2+18, HZM14, HMMW19, KZC04, OPT+17, Pag99, PYH+18, PB18, PKA19, UPP17, YXY18, Zad87, vVDB98]. human-chatbot [CPMG19]. human-workpiece [OPT+17]. humanistic [HSM14]. humanities [BHD09, BH13]. humanoid [NMA00]. Humans [GMM18]. hundreds [KTY03]. hunt [ZSS+18]. Hunting [GGC18, HDKC18, HDA+19]. HVS [BMU18]. Hybrid [LLL+18a, CWW+13, HEES19, LDV+18, MGR11, MKM11, OPO13, SvAS01, TCC18, VMN+18, WM14, YJHZ14, ABMES18, APA17, ABC+18, AR18, AFSh+19, AB18a, AMGCC18, AK14, Ban02b, BC15, Boa04,
[WKF03, CN98, RMM+98]. **IMMSIM** [PKSC02]. **Immu**nc [BCS99, BZMY10, CZY+18, ED04, KRLR01, LFL+17, PKSC02, ZZN04]. **Immunization** [ZHL+18]. **Immunization-based** [ZHL+18]. **Impact** [HAF+16, KESL17, RA12, dACNC16, ABMM18, AGKZ18, Car03, CRVZ15, CRB+16, CBLS13, Dub91, HHD+12, TLYY06, WAD+89]. **Impacts** [BNJ16, PLLA18, SCG+18]. **impeled** [PRN14]. **implantable** [ABS+15]. **impl.** [HHSW92]. **Implementation** [BS01a, CY90, CCKW88, DCK03, EPJ+05, GL95, GSD95, MMV08, MD92b, Pit96, SMI01, WMN+01, YCY10, YCL+19, mM95, AMN18, ABGO2, AKMK05, ACGD02, AAB+10, ABK94, Ber96, BS92, BG05, BL92, CM92, CS05, CY89, CD99, DHS00b, DvdHd09, GVD016, GLHW18, GD93b, GY90, GC94, HZDS19, HLV+16, JLU03, JYY+17, JNR12, KO11, KANS18, KVHT10, LJ04, LL04b, LJS17, LGW+17, LY90b, LH07, LC03, Luk00, LMH+09, MK17, MVT+99, Mur88, OBK88, OBG+18, PR95, PSR+07, PMT10, SPR+10, SM96, TLC+15, TMM+13, TBB+17, VVC03, VSM02, VS88, XKJ+18, YJA03, YdOLS+05, ZN12, ZZQ+13]. **Implementations** [VSVD95, Ano86i, DFGR14, NSS99, Ref87, ZSW+18a]. **implemented** [BTM10]. **Implementing** [CS93, CMD+14, YJA03, HS98, Pap05, PK11, RM97]. **Implications** [PSL19, CHS+18, IHH+18, LPD+13, PR95, vdR87d]. **implicit** [CWJ16, ID98, XLZ+14]. **importance** [AMT+12, MS03]. **important** [LXM+18]. **imported** [XLL+19]. **imprecise** [KRD+19, SK12]. **IMPRECO** [CGV10]. **impression** [vdR87]. **improve** [CLP+14, GMLGB+17, LK08, LFH+15, OdOD+13, PLZX19, RMSPP17, SMC99, ZMS+06]. **Improved** [ESPN17, TA18, TV16, BBI13, HZL18b, HLZ18, JLQZ18, KKAS19, KKYK04, LZXG12, WN10, YHL+19, YPJ19, YDD+18]. **improvement** [CHS11, Ho93, MJM+16, RJN+19, WQZ19, WTS14]. **Improving** [AMMC18, BVFGWA15, BL13, Dua94, ECPF17a, GIM16, HAF+16, HCNT14, HMA18b, HXL+18, LCC11, LY10, MYW+19, PKC04, PAB+14, SS04, SG13, TS08, WML17, YZ18, ASD12, AB95, GVI13, GJKP18, HBCR01, SBA+17, XTF+19]. **improvisation** [VSK19]. **imputation** [CRY18]. **In-band** [WGJ+19]. **in-core** [CKF10]. **In-Mapper** [MLC18b]. **In-memory** [GQLX18, BYL+18, HZDS19, USK16, UdvdW+18, WZS+18]. **In-network** [PJDO13, ZZZ+18]. **in-place** [PXM17]. **in-transit** [AHP16]. **In-VIGO** [ACC+05a]. **incentive** [DWJM18, GA13, HHK18, HDLW13, JLQ+17, RHH08, XY15, ZA13]. **incentive-based** [RHH08, XY15]. **incentive-compatible** [HDW13]. **incentive-driven** [HHK18]. **incentivized** [BDP11a]. **incidence** [XL19]. **incident** [CES+19, FM17]. **incident-supporting** [CES+19]. **incidents** [TMS+17, dS0D13]. **including** [LRMC94]. **inclusive** [FLT17]. **incomplete** [MvdV01]. **incompressible** [VFS01]. **inconsistency** [YWW+18]. **incorporate** [YWW13]. **incorporating** [SPB17]. **Incorporation** [GMB+05]. **increase** [LVH08]. **Increasing** [IDM+16, KAS19, KH18a, WWX+17]. **Increment** [SS03]. **Incremental** [PBL+18, XWM18, CAPG18, FRB+14, KMB16, LKM14, LY18a, LPY+18, PVBH05, ZFS+18]. **incrementally** [GYYW16]. **increments** [Tor04]. **Independent** [FMSSM12, CFL+18, EG18, Fio06, Ger02, GVA+16, LHL09]. **independently** [BSC06]. **Index** [Ano00a, Ano00b, Ano01a, Ano01d, AO06, Ano85b, Ano86a, Ano87d, Ano89a, Ano90a, Ano91a, Ano92a, Ano92b, Ano92h, Ano92i, Ano93a, Ano93i, Ano94a, Ano94b, Ano94g, Ano95a, Ano95h, Ano98a, Ano98c, Ano92a,
Ano02c, Ano03a, Ano03i, Ano04a, Ano04b, Ano05f, CZXL18, WXPL17, Lin18.

indexed [LSL+15, WXLY16]. indexing [ARP14, FVM14, KCK04, RTS+16, SB17a, SLZ+09, WZW+19, WHMO13, ZQZZ09]. indicative [ZNC+18]. indicators [DPS16, SA19, KJFS12]. indices [TBD+02]. INDIS [GVTaL18]. indistinguishability [YZW+18]. indistinguishability-based [YZW+18]. individual [CN17, HZM14, NZOCJ+19, PS10, Sch01, Mor01]. Individual-based [Mor01]. Indoor [SLK17, HST+18, HDH+18, HZZ+18, LvW14, Mat18, MLGG8+17, MKS18, OMD+18, PECA19, YYD+14]. Induced [vOB95, LSV+18]. induction [PMK18]. Industrial [CHK98, DM12, Ga187, GHD19, LG08, LH017, LW18a, Luk00, PTD+18, PWA+19, Sch94, Sin84, Smi86, LG08]. Industry [JC15, Kaa99, Mur95, BGR+99, FG18, Kaa98, LPC+95, QCT+18, Ros94, VCL+19, ZSMS18]. Inexact [BMZ01]. infants [CPE+17]. Inference [AP96, BB84, Her84, HV84, KKYK04, Bal93, DD86, MFT+17, NA19, ECC18, Uch87, WMV17, BB85]. inference-making [DD86]. inferred [YWY+17]. inferring [DYC+18, XTL+19]. InfiniBand [KBVH14]. infinite [Tab06]. Influence [GGH+18, NB818, MFT+17, TLI19, WJL18, WDD18, WGM15]. influential [WCM+19, ZC14]. INFN [ABB+05]. INFN-Grid [ABB+05]. Informal [GPJA+14]. informatics [KZBK99]. Information [ABS11, AFP07, AT18a, ABMS05, BPP+11, ChK11, CCR18, DP17, FMD99, Kim07b, MS018, SR03, TAB+18, URM19, ZS15, AHI11, ATdC+16, Ano84a, Ano86j, BG12, BRR+04, BT17, BNJ16, BGP+17, BMH10, BDNP92, Car86, CCJ16, CWZ+17, CWJ+18a, Dek86, DGGH11, Dub91, EV98, FMS08b, GZLZ16, GRTV10, GC18, GFD14, GWC+16, GB99, HZC10, HPP+18, HYC04, JL08, JC09, KKYK04, KBP18, KV12, KAS+18, KH89, KB16, KAC97, LXL09, LHJC18, LNB14, LWK+18, LC03, dSMAdR+17, MSKT07, MVG18, Mar99a, Mar99b, MS03, Mat18, MMF16, Nag86a, OB17, PKC04, PARMF14, PGPW09, RLL+17, RGC+10, SPT+18, SPCL04, SBD+18, SNA92, SL+18, TG+19a, TJS10, TSOB15, TQL+19, TG+19b, TCH19, VS13, VPT+10, Wal86, WRCC17, WXZ+18a, WZ18, WBT05, WW218, XSMS15, XCGD10, XLL+14, XPL19, YSL19, YHH+19, ZWS+12, vdHSL+15]. Information-centric [AT18a, RLL+17, TG+19b]. Information-Powered [TAB+18]. Information-theoretical [ZZ15]. Informatique [Ano85a]. inframetric [FWB13]. InfraPhenoGrid [PAC+17]. infrared [HY504]. Infrastructure [AT02, HGM15, TSTL16, VDK12, AB19b, BBWB+18, BMU16, BC15, BCT+07, BH13, BCD+18, Car03, CCMP18, CO03, CCM+14, CD08, DWS12, FG14, GGTTRRC16, GA1+18, GRX19, GdW06, GNT05, HMM18, Han05, HZW+16, JLU03, KZ14, Kuy2+18, KBB+09, KCH+13, KK14, MSS+13, MLC+18a, MBS13, MLGPJ13, NS99, PP10, PAC+17, RVMG+10, STTK03, SP93, ANE13, PGBK16, GRL11, LPD+13]. infrastructure-as-a-service [Kr2+18, KK14, LPD+13]. infrastructure-level [FG14]. infrastructures [CMZ+12, CRM+16, CA15a, ENC+12, EMJ+13, FQBCF15, FPGK18, GDP+18, GFD14, HZ10, KdGP+19, LTN10, LKP17, LKP18, LPBB+18, MT17, MFN13, MPR+16, MSLF16, PTO5, PPL+15, PWA+19, RMHCMG15, SFR15, VHML10, WT+17, WHYZ18, dSGD13]. infused [ZSP19]. initial [SSMG95]. Initiation [OVK+19]. initiative [DR89, MLC+11, YCH19]. initiatives [dLRW03]. initio [LDSH95].
Injecting [GRTV10], injection [HTV07].
injuries [PWP +18], injury [Bo19].
inventions [SSFFR19]. Innovative
[Cuz14, KTM +08, TGM +19b]. InNot
[PLA18]. input [Aba06b, WHCZ18].
input/output [Aba06b, WHCZ18]. inputs
[Wan19]. ins [MS01, HYSO4]. insecurity
[BP13]. Insertion
[GK18, MAC +17, LZLL18a]. insight
[BCD +18]. Insights
[Cur92, AC16, GTSA +14, KF00, WLHH18].
inspection [LSZ +18, RSRA18]. inspired
[AT19b, BW13, FM10a, IGB +14, KKS18b, LCW +18, VV16, XZZ +14, ZYW +18, ZEO98, ZEO01]. instability [Bo19]. installations
[ACPI19]. installment [SOIS12]. instance
[FCY18, Leo01]. instance-based [Leo01].
instances [BKSS02, CLRL18, DR18, Leo98].
instantaneous [MRV01]. Institutes
[Van87b]. institutional [BH13].
instruction [GD05]. instructions [Goo01].
instrumentation
[BP01, BDZ13, MPPM09]. instrumented
[GD93b]. insurance [ABZK15]. integer
[GGA +17]. integral [de 94]. integrate
[BFLL99, BOP +14, GRCP +17, PBB +05].
Integrated [AS18b, CT09, SDBdL06, BCAA07, CM17, DZJ +00, Du89, FHYH15, FCD +14, GDRS04, IdLLR01, KAS +18, LY90b, MFP +16, PDH18, Re87, STTK03, SGK10, SKT02, WCV91, WS10, YZLQ14].
Integrating [BCMR01, HC17, LCL14, BDZ13, FSW +14, TQL +19]. Integration
[APRC16, AFF +09, AKW90a, BdpPP16, CYY +18, DP17, FP14, RAA +18, AMB03, CGST09, DP03, DRR +07, GACM17, HC04, JNS +19, LLF +18b, MGV +18, MR03a, MR04b, RMC +18, SGY +07, Sin07, SMM +14, SPKGL18, SAC11, WLLF16, YWF +10, ZMP10]. Integrative [LGS +07].
integrator [JL03]. integrators
[DV03, IS06, MPQ03]. integrity
[GSC11, HKA +18, JZJ +18, LSG18, LYZC15, OB04, SL87, SHJR04, WWR16, YXA +16].

Intel [FHGH95]. Intellect [AS18b].
Intelligence
[ACC +16, Cha14a, Jun17, Kow85, vdrR87a, All92, AB18b, Ano861, Ano87b, Ano87c, Ano871, Cha14b, DD07, E086, GJKP18, GSN +18, HDA +19, How91, HLT +18, JNR12, Kow84, LSV +18, Lop96, MCA02, MCWP16, NPH19, Nv89, O014, O19, QC18, RBC +88, Sch85, SSTT17, SJL +18, Szu98, Szuo1, WM14, W184, YZGW18, YJHZ14, vdrR87b, vdrR87c, Ano84e].
intelligence-based [OB19]. Intelligent
[ACWJ19, DX14, GCD +18, Hsu14, Kin18, KH89, KKK7, LRZ +18, MNM08, NNC +19, XKJ +18, YSL19, AHMS18, BKS +18, CPD13, CSJN05, C010, CRC +19, HMW +19, IMKB99, KFF99, KRR10, Kol18, LLZ +18b, MWC +03, MAY18, NAD +18, NWL17, OMD +18, PTD +18, PKY +17, S1lc14, SDC11, Ueh89, V1FH14, XB14, XTL +19, XLZ18].
influential/cognitive [BKS +18]. intensity
[GZZ +18]. intensity-modulated [GZZ +18].
Intensive
[DO15, ATDC +16, BMK +14b, BPS +03, CkLC06, Cuz14, DST10, GVUR1BV14, GJ15, IAJC11, JFZL17, KS8a, KGVW14, MFP05, NSSA +14, P109, Pet95, RSJ +14, SY04, SLC +17, SBD +18, TDPF +17, TJLT00, TBL16, TCBC18, TSB18, VVBB13, WTR +13, WZZ16, WHYLT7, WHZ19, YFVY +13].
intent
[KPM +18]. intention [JLQZ18]. intentions
[FTD17]. Inter [DVV90, CCL18b, DPK +19, DRR +07, GS95, GGLW18, L17, LYS12, SRD15, SB16, SBP +17, SBL18, VOS12].
inter-cell [DPK +19]. inter-cloud
[CCL18b, SRD15, SB16, SBP +17, SBL18].
inter-connectivity [VOS12].
inter-enterprise [DDR +07]. Inter-process
[DV90]. inter-purchase [GGLW18].
inter-service [LD17]. inter-stream [GS95].
inter-view [LYS12]. interacting [DSO4c].
Interaction
[ZAP05, AKB18b, CNG18, CPG19, FJA +18, HYC +18, IT05, JRJ +11,
KID$^{+16}$, MJ06, Nag16, RRH16, ZSO5b].

**interactions**
[Kn89, OPT$^{+17}$, UZ11, ZGS$^{+13}$].

**Interactive** [CAS$^{+16}$, EdBG$^{+99}$, JHL$^{+06}$, MG18, PF01, PK08, RS99, SHN10, ABG18, BDLO6, CGN18, DK00, GKW$^{+12}$, HML$^{+06}$, HZH16, IJC03, KLC05, KKL09b, OPO13, PTM$^{+18}$, PPAK99, SSFR19, SBSdL06, Sch98, XFM16, dNE05].

**interception** [MGLPPJ13, [Erd13].

**interconnect** [YGYW16].

**interconnected** [FCY18, FGW$^{+19}$, MMLO18].

**interconnection** [ADK96, GS13, JAA09, LL18, Sh192].

**interconnects** [CkLC06, PBKH01].

**intercontinental** [PBC$^{+01}$, [KPS18].

**Interdisciplinary** [AC10, NS10, GFBG03].

**interest** [LWSY18, LW18b, MRS18b, SMC99, XZ16].

**Interface** [WLB11, AAB$^{+92}$, ABS$^{+18}$, BJWT08, BMFC07, BCW01, DCFB19, DLR$^{+09}$, GHY$^{+18}$, MTK500, MFL18, MYK16, OFO$^{+99}$, PSBB15, DKD08].

**interface-adaptation** [PSBB15].

**interface-based** [GHY$^{+18}$].

**interfaces** [ABF$^{+15a}$, dRADFG18, BFL99, Bie05a, FJY06, Kam85, PNH99, RSSD02].

**Interfacing** [HCG99, PL06, HML07].

**Interference** [vdLLE19, DPK$^{+19}$, Höf03, S13, SMM$^{+14}$, SäSP04, VVB13b, ZF16].

**interferometer** [Fin99].

**intergenerational** [MCG$^{+15}$].

**InterGroup** [BAC02].

**interleaving** [BM08].

**intermediate** [CEJK94, LZW$^{+18}$, TZL18, WZ16].

**Intermittent** [JM02].

**International** [Ano86j, CC11, CF09, SST$^{+06}$, BGL08, CGJ$^{+10}$, LRJ$^{+06}$, MLC$^{+11}$, DBdL03].

**Internet** [AMQ$^{+19}$, HAT19, ILCR19, MWQ$^{+19}$, RC19, SYJA19, SSW$^{+19}$, YJHZ14, BRB19, KCM19, LTC12, QCY$^{+19}$, ABMM18, AKP$^{+18}$, ACWJ19, AR18, AGR19, AT18a, AT19b, ACSdRR17, AVPV17, AMPZ16, BA17, BS17, BBM$^{+03}$, BZ19, BRH18, BGS$^{+19}$, BdDPP16, BWG19, Che14, CBT$^{+19}$, CMP$^{+17}$, CBPP18, CDFW18, CMZ$^{+18}$, CDH$^{+19}$, DSK$^{+14}$, DPK$^{+19}$, DZH18, DRNMC09, DP19, DC18a, ESW$^{+17}$, EAS$^{+18}$, FG18, FJJ$^{+18}$, FTK17, FRM$^{+18}$, FPL$^{+19}$, GTEL$^{+18}$, GMLGB$^{+17}$, GBB18, GHYK18, GCK18, GWZ18, GBMP13, HMK18, HPS$^{+18}$, HU18b, HZ18, HK$^{+18}$, HPP$^{+18}$, HLA$^{+18}$, HCL$^{+17}$, HQN$^{+18}$, HXL$^{+18}$, HSS17, JBM$^{+18}$, JKAU19, JYY$^{+17}$, KWK$^{+18}$, KK19, KOT18, KKKY04, Kim18, KLI$^{+18}$, KLMB19, KLS19, LLM13, LKS18, LKJ$^{+19}$, LS10, LHO17, LGL$^{+17}$, LYC18, LDS$^{+18}$, LRBW17, LW$^{+13}$, MK17, MVL$^{+18a}$, MGL$^{+18}$, MGGB$^{+17}$, MMC$^{+18}$, MGN$^{+16}$, MPL18, NCCS99, NWT19, NJ18, ODF17, PC18a, PSVL02, PTD$^{+18}$].

**Internet** [PH99, PLGMCdF18, PC18b, PM00, QZM$^{+18}$, RGN$^{+18}$, RMSPP17, RACA18, RHPV17, RC18, SAGGB17, SYJ$^{+19a}$, SHS$^{+19}$, SST18, SWY$^{+18}$, She00, SDDG17, SYW17, SCZ$^{+14}$, SZGB04, SCG$^{+18}$, TLSC17, URKM19, WWX$^{+17}$, WZW$^{+19}$, WZ18, WWZ18, WLZ$^{+19}$, YLY15, YA02, YWZ$^{+18}$, YCT15, YHA$^{+19}$, YN18, YAP16, ZPE17, ZAI$^{+18}$, dFBP$^{+17}$, ASA18, CCLR18, PPM$^{+18}$, RMDB18, ZYA$^{+18}$].

**Internet-based** [DRNMC09, LW$^{+13}$].

**Internet-of-Things** [FRM$^{+18}$, CK18, LKJ$^{+19}$, RGN$^{+18}$].

**Interoperability** [FKBG10, AFS16, ACWJ19, BA17, BNJ16, CXD18, DCCT17, EHT10, GTZC$^{+18}$, HA18, KKS08, MRS$^{+18a}$, NAD$^{+18}$, SEMJ11, SGM11, TTK$^{+14}$].

**Interoperable** [KH19, CMD$^{+14}$, DM11, HESM99, KK10a, KKB14, NWT19, SCY$^{+18}$].

**interpolation** [DS04a].

**interpretation** [Hal88, NSHP88].

**intersection** [WNL17].

**interstellar** [DRS04].
Knowledge-based [How91, SNA92, Ano86j, CSC + 92, Hol93, KFF89, Mae89, Ohy89, TNY17, dLLA93, vdr87l, NJ18, ZL04b, vdr87g].

Knowledge-guided [BP94].

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].

Kruskal [Mae89].

Krylov [Dat03].

KSR [LF95a].

KSR-1 [LF95a].

Kuaa [dOWdAS + 18].

Kurganov [NB04].

Kutta [CP06].

L [Zad87, TSAER18].

L-RNN [TSAER18].

L2P2 [SLL + 17].

Lab [BGJ + 06].

label [GLVC18, SLL + 17, XHL + 19].

labeled [LWT18].

laboratories [AKB + 01].

laboratory [BGH + 03, BDZ13, CGL + 10, GRPL04, GGF03, 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 [RM17].

lands [CALN03].

Language [Ano86l, BS91a, HSS92, Ano85g, AP96, BY93, BS92, DHSO0b, EHT10, EP12, ES94, JSZ + 19, 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, EGV18, FAJP99, FQBCF15, GSV + 10, HKM + 06, LKM14, LPK94, PB17, WVC05, AMBB18, AR15, ARP14, AQB15, BC15, BBSV92, BAPS14, BK18a, BDLO6, BDHK06, BCW01, BCG05, BCD + 18, BCH + 08, CZT + 15, CZY + 18, CDF + 05, CRVZ15, CA13, CA15b, CR92, CLY14, CZXL18, CWJ + 18b, CTMO06, CCHW03, CGM + 18, CSP13, Dat03, DAM08, Din03, DKJ19, DDB14, DPL14, DB99, FDP17, FPGK18, FWB13a, GLA88, GLNT13, GRMSOG18, GLVC18, GIM16, HST + 18, HLCL16, HZ10, HAB + 06, IPG + 18, IS18, JRJ + 11, JHC10, Joh02, JTBS15, KKH14, KBP + 03, Klu05, Kas18, KTV03, LTN10, LSY + 16, LYY + 18a, Luk00, LM12, MTOV, MKH06, MPR + 16, MLS001, NBB18, NS10, NEJP94, NJKH13, PPZ12, PLA18, PGCC + 10, PBHK01, PF17, PPLL17, RN04, RL98, RLM06, STMV18, SKT + 08].

large [SNW01, SLO + 05b, SLL + 17, TDFZ18, TJWS10, TY11, THT12, Var00, VSV95, WSZH18, WTP + 03, WT + 14, WLLF16, WWH + 17, WRCC17, WCH + 18, WDD18, WCM18, WBJM14, WS10, XWL + 15, YDK11, YHJC05, YCAS03, YCX05, ZG19, ZAB15, ZW + 13, ZW10, ZYTC15, ZXL14, ZA14, dSK + 19, GPH + 94].

large-dimension [ZAB15].

large-eddy [NEJP94].

Large-Scale [CH98, EGV18, 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, CGM + 18, Dat03, DAM08, Din03, DPL14, FDP17, FWB13a, GLA88, GLVC18, HST + 18, HLCL16, HZ10, IPG + 18, IS18, Joh02, JTBS15, KTV03, LTN10, LSY + 16, MT05, MKH06, MPR + 16, NS10, PPZ12, PLA18, PF17, PPLL17, RN04, TJWS10, TY11, THT12, WRCC17, WCH + 18, WDD18, WBJM14, WS10, YHC05, YCAS03, YCX05, ZW10, ZYTC15, ZXL14, ZA14, dSK + 19].
large-scale-application [TDFZ18]. Lark [ZBCT17]. laser [Fin99]. Late [MLBS11].

Latency [Höf03, MHC14, ABB+03, CW13a, DHB02, FFL+19, HML+06, HSP+13, KIS11, PBHK01, SLL+18, WPGN+16, WWZ18, ZZSZ18]. latency-sensitive [CW13a]. latency-tolerant [DHB02]. Lattice [AKH+04, Bog99, SdSP04, ABL04, CM99, CH04, DS04b, DC00, FPdS04, HORC04, HRJ+04, IOO04, KKH01, ZaTZ17, ZDW+18, DY04, NCS04, vdS04]. lattice-based [ZaTZ17]. lattice-Boltzmann [FPdS04, HRJ+04, KKH01]. layer [AKC+17, CCL09, DvdHGD09, FNA11, GZW18, HAD+19, JBM+18, Kui89, KSM+07a, KSM+07b, LWX15, LW+16, MYK16, NWT19, PBHK01, SCS+18, TZL+18, TL+18, VPGN+18, Z12, ZFY18, ZJW+14, dSNB19]. layered [AMQS+18, D07, Kim07a, M01, PDK10, PSB15, SSG19, SKF+11, SBF18, WJS+18, KJS12].

LayerMover [ZFY18]. layout [IdLR01, KR14]. laziness [KGW95]. lazy [CK00, PY00, TV16]. LBBA [SC16].

LBBSRT [ZFC18, ZFC17]. LBGK [HvHAS04]. LBS [SLL+17]. LDA [ZZY16]. LDA-based [ZZY16]. 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, BCM18, CLL+18a, LRJG19, MGL+18, NK05, Pud01, RT16, ZZN04, ZWCM19, AD18, AAN+18, AMKM18, Ami90, AV00, ASY+18, BRL19, BLAV06, BMP+16, CMEA+19, CFMC19, CMT16, CJN+15, CLL+14, CAL+18, DRC+19, DFG+19, DA16, DC18a, DGGCH+17, ECPFP17a, FSV+19, FFGP+19, GHGP19, GPJA+14, GHP+18, GBE00, HSV+17, HUMA18, HPGMM18, HXL+18, HHS+18, JSS+19, JOSD19, KMK+19, KMI11, KKS18b, LHJC18, LLH+17, LLY+18, LJW+19, LZFV19, NS184, NKL18, NGB18, PBL+18, PWWD19, QCY+19, RGAT18, RSY+18, SDA18, SRF19, SH09, SNC18, SZD+17, SRS19, TNY17, TYWZ18, VGBLS+06, VEn08, VEn09, VGR16, dOWA+18, WLB11, WXZ11, XZZ+14, XKBA18, XLL+18, XLL+14, ZGV19, ZXM+19, ZSL+19, dFVPShL+14, Ano86h, ZBF14]. Learning-based [ZZMC19, HHS+18].

Lease [ LLKF09]. Lease-based [ LLLF09]. least [vdV89a]. leave [KMJ18]. lecture [Ray05]. left [DNW+19]. legacy [BBW08, BKL01, DW11, KT08, LRW01, ML08]. legal [CCIP18, Ser95]. legal-rule [CCIP18].

Legion [NHG03, CKKG99, NHG02]. LEGIoT [MPLM18]. Legislation [Ano84i].

Lenat [Zem86]. length [CP06, LZL+12].

Lessons [HS98]. Let [MOB18, BKY18].

Letter [Ano87k]. Level [HSS92, LYW+16, AD18, AFS16, AJY12, ATT96, AMR18, dRADFG18, BSCC06, BMFC07, CLP95, CST92, CMS+18, CXC+18, Ciu10a, CCD+10, CHY+18, EMHE18, FG14, FWB13a, GOBL16, GJF+12, GLF17, JLI+13, KKS08, Koa99, KMK09, KMK+14, KSM+07a, KSM+07b, LKA+08, LJW08, Lop96, LBB+19, MZP+19, MD18, MJR16, MLBS11, PLLA18, PKC04, PRS12, QPTGG+12, RZ16, RPMG10, RS17b, RMHCM15, Ruc90b, SRZD15, SVN+10a, SEMJ11, SK18, SSL13, TSBH11, WLYL11, WWC14, WZW18, WBFO8, YKL+07, YDT19, ZLZ13, ZCK+15, ZHZ+16, ZDR07].

levels [CEJK94, FB93, Kim18, LYJ10, LWT18, MKT09, SBPT07, TT+13].


Libraries [LHG07, HESM09, STH+98].

library [AFS16, ACE02, BFK02, FB07, FBBW99, GD93b, GLM+08, JLRS18, LC04, PCM99, vdV89a, BMFC07, Ber06, TS08].
Lightweight AMN18, BLLGXD10, GMM14, GPS17, JOPW14, Kom89a, LWHC07, ML19, SFR15, WOPW13, ML19.

life-cycle [DJZ00]. life-long [ML19].


lightpath [DS04a, AKB18a, Eng14, LLZ18b, LLU18, SFR13, SHB99, YSL19, ZWX19].

light-based [SJR13]. light-weight [Eng14].

lightpath [GD10, GMM10, GFR10].

Lightweight [GAI18, MPLM18, ZLY19, AMN18, BLL17, BK06, CMS18, CRRC18, EGK07, HZL19, HZ10, MNN18, MLY18, MLBS11, dRRR18, SZP09, SCS18, WLS18, YCT15, ZZX19].

like [CMO03, MPQ03, MKK03]. Life [ABY07, AFO18, CBBC17, DZJ00, GCBM17, GPS17, JOPW14, Kom89a, LWHC07, ML19, SFR15, WOPW13, ML19].

life-cycle [DJZ00]. life-long [ML19].

lightpath [DS04a, AKB18a, Eng14, LLZ18b, LLU18, SFR13, SHB99, YSL19, ZWX19].

light-based [SJR13]. light-weight [Eng14].

Like [CDH10, GMM14, GPS17, JOPW14, Kom89a, LWHC07, ML19, SFR15, WOPW13, ML19].

Limited [ML19]. limited [LN13].

Linestrom [vdR87]. line [BM15, BW95, CCIP19, EV98, LVH08, LLW19, TJ18, Ue89].

linear [ADAAD12, B11N05, BDN13, BFR05, BR11N04, BC05, C17IT15, CL14, DHD98, FP4S04, GKS05, GGA17, HPP94, JLR18, JLO18, L0304, PG1959a, PH19, PH94, SGFS01, S04, TGM11, VW17, YPCK12, ZZZ18, vdV99].

linear-time [LD04]. linearization [Ro05]. lines [Md10].

linguistic [CPE17, ECPF17]. Link [CC00, GCCGBG01, HQ10, K18, LTR12, SN10, WFQ10, ZH10, AK18a, BC16, CMG18, DFSZ88, GGC17, GXL18, MDB18b, RRU18, SMG18, SRP19, SGS18, XWL15, XHL19, YCZ18, ZGL19, ZS10].

Link-time [CC00]. linkage [TTC14].

Linked [CDH19, DMM11, ANS11, BBD13, CPSRG14, Li10, CAS16].

linking [ABC00]. links [AB1L03, CW19, KCM19, WRE19].

Linux [VS02]. Lip [KLN14]. liquids [Fre94, SBS98]. LiReK [CRRC18].

Lisp [Oka92, YTH84]. Lisp-Based [YTH84].

list [BB13, DNP14, LY18a, Par04, YK17].

list-based [DNP14]. literature [ABP18, AMS19, J08, MW16, SDW13].

Live [DK17, DJW14, AS14, CF19, HZW16, JFZL17, K011, KSK11, LJL13, LRZ18, MYW19, SLA16, TDG16, TCN16, YMD13].

live-broadcasting [LRZ18]. liveliness [GAFFO12]. living [FKT14, TMB19].

Load [BL02, CY01, OS96, dRSS97, AA18, A18aa, BCR01, B08, BMB10, C04, CSJ05, CRC13, Ch04, DLS12, D18, GOBL16, HLW12, IS18, KRZ12, K18, K18a, LMY90, LZX13, LLW18, LN18, MM14, MK11, PGMS05, PAL19, PRC14, PBC16, PBC17, Qin07, QCY18, SB97, S19, SL11, SM18, SJ18, SMA08, SYL18, TDC14, T218, ZGB17, ZMS16, ZS18, ZGL18, ZFC17, ZFC18, VVB15, ELV96].

load-aware [KIC12, ZGL18].

load-balance [DZ18]. load-balanced [S19].

loading [SC15]. loads [NKF98].

Local [Han03, LBB19, PSS18, REM04, ABM18, AEGF19, BCP01, FRM18, GJ18, Hua10, HLL12, KMT14, LZL12, PM14, RCM18, SWW13, WCM19].

Locality [SC15, S19, ZXL18, BCR01, HN11, HBCR11, LJD19, Lei09, Leo01, NNN19, QZD18, S11, TSK03, US16, WWC14, WWQ18].

Locality-aware [S19, S11, WWQ18].

locality-sensitive [QZD18]. Localization [MWL18, SY19, GAI18, HXY13, S17].

localized [WKL13]. Locally
[PFMC04, BRL19]. **Location**
[AHEM17, DA18, LNL19, DGY+18, FWB13b, GCCL18, GBKJ18, HZW+18, MK04, MCCC10, NWD+18, NZL+15, PKC04, PLW+19, SLL+17, XCS+18, YXA+18, ZCLW18, ZWS+12, SCH+17].

location-aware [PKC04]. **Location-based**
[DA18, LNL19, NZL+15, PLW+19, ZCLW18]. location-label [SLL+17].

location-sharing [XCS+18]. locations
[Alp18, dIFVPSHL+14]. LOCCS [DT94].

LoDs [PFMC04]. LOFAR [BBB+11]. Log
[JD94]. Logging
[RT06, AMH04, EH10, LBB+19, LM12, PY00]. Logic
[De 88, KB16, SYJ+19b, Ano84k, Ano85g, BS96, BDNNO2, CST91, CY90, DCK03, DT93, DLIW86, GBY16, LLJ+11, LvW14, MYHZ18, MLGGB+17, OMD+18, Qu04, RBC+88, SGdMM96, SRZ18, TWW+18, Yos89, ZT90, ZT91, Zha93, ZS90, dB90, vdR87b].

Logic-based [KB16]. Logical
[BB04, BB85, WMN+01, Van93].

logical-time-based [Van93]. logically
[MRV01]. Logicflow
[KP00]. logistical
[BBG+05, Zhu18]. logistics
[SPCL04, ZL04a]. logs
[WLZ+19]. London
[vdR87b]. Long
[OS06, RSK16, DQXW19, DLS+12, HKU+11, HKG+16, KTV03, ML19, MGH+05, PM14, WWD+14]. long-distance
[HUK+11]. Long-haul
[RSK16].

Long-range
[OS06, PM14]. long-term
[HKG+16]. look
[LYW811, YH18].

look-ahead
[WyBS11]. Looking
[BüC05a].

Loom
[BCD+18]. loop
[EGS14, KC98, LTC12]. loop-free
[LTC12]. loops
[LRCM94, XYH+90].

Loosely
[BDNP92, Mis92, AGP+92, MD92b].

Loosely-coupled
[Mis92].

loop
[RGDM16].

loss
[KDHP16, LNJ04, RMDB18]. losses
[DJJ+18].

Lossless
[DQ97, CCD+19, CCM98, HDB18]. lossy
[ASO14]. Low

[ABP16, GVURIVBV14, KWK16, LLU+18, MMC+18, RS17b, SHJR04, SLL+18, BTG19, BSE+13, CEJK94, CALN03, DMC+19, FFL+19, GE90, HML+06, HSP+13, JCMPPC+18, LEW19, LYL+19, LZHY19, MTKS00, SPT+18, TLC+15, TWW+18, VVC+12, WPEN+18, vdLLE19, DT94].

low-cost
[BSE+13, LEW19, LYL+19].

low-footprint
[VVC+12].

Low-latency
[SLL+18, FFL+19, HML+06, HSP+13, WPEN+18]. Low-power

[MCM+18, DMC+19, vdLLE19].

low-resource
[TLC+15].

Low-time
[ABP16].

LR
[GHMX10].

L-R-WPANs
[GHMX10].

LSI
[Abe92].

LSTM
[GY+19].

LSTM-EFG
[GY+19]. Ltd
[Ano87b, Ano87l].

LTE
[GGCM14].

luG
[MM18].

Lyapunov
[DE03].

Lyon
[BB04, BBD18].

M
[vdR87g, OSCY93].

MA
[vdR87g].

MAC
[CLL+18a, CJG+18].

Mach
[CR92].

machina
[PKSC02].

Machine
[AMA88, AMA89, AMA86, BCL88, BVP93].

machine-learning
[ABP16, GVURIVBV14, KWK16, LLU+18, MMC+18, RS17b, SHJR04, SLL+18, BTG19, BSE+13, CEJK94, CALN03, DMC+19, FFL+19, GE90, HML+06, HSP+13, JCMPPC+18, LEW19, LYL+19, LZHY19, MTKS00, SPT+18, TLC+15, TWW+18, VVC+12, WPEN+18, vdLLE19, DT94].

machine-learning
[DA16, GHP+18, JOSD19].

machine-room
Machines

Major

make

maintain

Macroeconomics

macromolecules

macroscopic

macrostep

Magnetohydrodynamic

Magnetohydrodynamics

Main

main-belt

main-belt

main-belt

main-belt

main-belt

Malicious

malware

mammographic

mammographic

mammographic

mammographic

managers

manager

Managing

Mandal

MANET
MANETs [JFDF09, ZYW+18].
maneuvering [BRL19, LWX13].
Manifold [AH94, XLL+14].
manipulate [VOCHC17].
manipulation [DMMP98].
man[ kHsZwJW18].
manufacturing
[HDC+94, HMW+19, SSST17, SSW+19,
WG91, XWjZyF19, ZMS+06].
Many [HYZ16, Len01, CLH10, EDH+13, JLY+18,
LC14, MAC14, MCA+18, MGMT18,
YLJ+17, YDT19, ZAB15, ZCL+14, ZLG+14].
Many-core [HYZ16, EDH+13, JLY+18,
LC14, MAC14, MCA+18, MGMT18,
YLJ+17, YDT19, ZAB15, ZLG+14].

Many-particle [Len01].
many-task [MGMT18].
manycore
[HTL+18, JPB17, Li18].
map
[DR03, KLC05, LLW+18a, LWK+18,
SSCS11, FJ00, DL04, STA17a].
many-based [LWK+18].
MAPS [PCG+06, SPK+07].
Maple [Ya07].
Mapper
[MLC18b, MSS+16].
Mapping
[AEGF+01, Mil11, MFT+17, Van92, YG18,
dRSS97, USA19, DSK+14, DKV14, DST10,
DST14, HSC15, KTM+08, LJW08, LvW14,
MBM18, MS03, MBLA12, Reh06, YWZ+18].
MAPReduce
[FDGR14, ACK+15, DDJ+13, DFGR14,
GZWQ13, HSC15, JGF818, JZWL17, JSL13,
LKM14, LQK+16, LLC+16, LSZ+16, LC14,
LHA13, LJS+14, MNV12, MLC18b,
NNRA19, SEMJ11, SDTA19, SB17a, SJV12,
VETT16, WTR+13, XX14, XTT18,
YWZ+10, ZCK+15, ZFS+18, ZW18].
MapReduce-based
[LLC+16, LSZ+16, SB17a, YWF+10].
Maps
[AS18b, Che18, DH16, DMM14, KLW+16].
March [BFS+17a].
margin [CZ12].
MARIANE [FDGR14].
Marine
[YWZ+18, FCD+14, WMBV17].
marital
[MNC+18].
Market [JBR+16, WIl84,
JSS+12, JRF+07, Lin18, RT16, RA12,
SCMS12, SVB07, WIl86, Yam89].
market-based [SCMS12].
marketplace
[JBR+16, MVG+14, VSMRMI12].
marketplaces [ABH18].
markets
[BAB13, MG16, PRA12, VPT+10].
Markov
[BDHK06, BCB+07, CLL18b, LvW14,
LW18b, WQG15].
marrow [BPP+07].
MARS [GR96].
marshaling [PVBH05].
Mashup [PC18a].
mashups [dVXB+11].
masking [BMU18].
mass [KVK+18].
mass-gatherings [KVK+18].
masses
[BR18, BMU18].
Massive [SG95, BORM07,
DG+16, FGM11, KKK07, LXL+17, NS17a,
SGB+18, WMLS14, WRBG94].
Massively
[DDO+92, KL02, Cas94, CS96, Gil94,
JBA94, KZL06, NOF18, PDK10, PNO9,
YdOLS+05].
Master
[LC14, Bun03, HCL07, PCC18].
Master-worker [LC14].
matacomputing
[HJS+99].
Matching [DDR96, LZR+18,
TOS18, FLT17, KNK+08, LLC+16,
LLAW17, MWQ+14, MM03, NWM17,
PRN14, QGX18, TJ18, WCHZ18,
XWjZyF19, YZL+18, YZGW18, YSZW18].
Matchmaking
[DT16, CCD+10, LCBF13, LDS+18, YAO14].

MatchTree [LCBF13].
materials
[Gil94, HLC16, MZD+16, SYT09, SCK+00,
WRBG94, WAD+89, ZMS+06].
Mathematica [UB07].
mathematical
[KSAOK08].
mathematics [AMB03].
MATLAB
[BKGP05, EPJ+05].
MATLAB-based [BKGP05].
matrices
[AM06, BH03, WHCZ18, dSL08].
Matrix
[XZ14b, BST+08, CDS03, Dat03, GGM18,
HBCR01, Jun18, Kat04, KR14, LC04,
LMX+18, LGZY18, SJL+17, WYL+18,
ZWL+16, ZCH+17, ZZZ18].
Matrix-based
[XZ14b].
matrix-vector
[ZWL+16].
matroids [YH18].
matter [To99].
matters
[PD11].
MAX [SH00].
maxillo
[SGL99].
maxillo-facial
[SGL99].
maximal
[LHW+18, SLD+18].
mazimization
[KCM19, MG14, NBB18, TL19, WDD18].
Maximizing
[MFL18, SMS14b, WJLW18].
maximum
[CZ12].
MCC [vdR87].
McCord [vdR87].
MCDM [SMZ+16].
MCMC [LvW14]. MDP [MRS18b]. MDP-IoT [MRS18b]. mdtmFTP [ZWDP18]. meager [DV13]. meal [MOFGP18]. mean-field [SZ98]. means [AMHJ10, Avg00, Bu18, DS04b, DNW +19, LSZ +16, LZY +19, PW09, PT16]. measure [RAKJ18, Szu01]. measurement [BDZ13, CST92, CY88, CCCT14, DC18b, GHYK18, GDRS04, KKW +14, PLGMCdF18, PMFH11, Sar02, SGN +17, SSB13, TMVMVL12, WRCC17, YNY +14]. Mechatronics [CJN +15]. MECOM [JDW +14]. Media [MLC +11, MPI +18, DVL12, GHO +11, KMN +05, LLG +16, MCG +15, NO19, RS99, WSN18, WdL16, WLA18b, YXZG18b, ZG18]. Media-based [MPI +18]. MediaGRID [VWD +08]. median [KPS18]. mediated [ZGS +13]. mediation [RVST17]. mediator [ABTF16, WBT05]. Medical [EV08, 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, VSKS19, VFHB14, WLS +18, WPS +18, XY05, XPL19, YCY10, YSC +15, YLN15, ZCH +17]. medicine [AV00, BJM +17, CCBR98, FFC +18, LWK +18, MSR98, Wr94]. 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]. member [SCZ +19]. membership [GNVST14, PF17]. MemEFS [UDvdW +18]. memories [De 88, HBCR01]. Memory [BPS06, BM92, CSP98, DLZ16, GSD95, KGX95, MWQ +19, PBM95, An00, ABL04, BFLL99, BYL +18, BK97, BBSV92, Ber98, BEWZ10, CPSD18, CR92, CS93, DKK +13, DKJ19, FC05, FJL +16, GQLX18, GV13, HH98, HP94, HXN13, HZDL19, HMMW19, HG92, JDW +14, KP12, KN06, KSM +07a, KSM +07b, LAL +14, LLWW18, LWSC07, LYM +18b, LUB +10, MAC14, Mar90, MCdA16, NP03, PY00, Par04, PH94, RK18, RCD03, SF06, TC06, USK16, UDvdW +18, WY09, WW +18, WG +18, WG05]. memory-based [MCdA16]. Memory-efficient [BPS06]. MEnSuS [AK18b]. menu [LC03]. merchants [ABCD00]. mercury [HRJ +04]. mere [MBZL09]. Merging [Kat04, CPGdS +13, TS0B15]. mesh [BRR +04, CH95, DCFB19, DS04a, CK04, LH95, RZDM01, UWV92, WC01, ZX14b]. mesh-connected [UWV92]. meshes [JL98, PFMC04, SW05, GZG19]. Message [BFR99, FLPP05, Gar02, WHZL10, AMH04, AC92, Ber98, CFT92, CJXX19, FFL +19, Kac00, Kal94, LC17, LBB +19, NWL17, ROK19, RMDB18, ZA14, DDK08, LDHSH95, 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, WZ +19, XL19].
meta-analysis [WZH+19].
meta-applications [FHM+99].
meta-database [PB17]. meta-heuristic [ESW+17]. Meta-level [ATT96, Lop96].
Meta-model [CBS17], meta-modeling [DD05]. meta-scheduling [HML07, PT16, TCCC11].
Meta-model [CBS17], meta-modeling [DD05]. meta-scheduling [HML07, PT16, TCCC11].
Meta-model [CBS17], meta-modeling [DD05]. meta-scheduling [HML07, PT16, TCCC11].
Meta-model [CBS17], meta-modeling [DD05]. metacomment [BvdV99].
Metacomputing [BGR+99, PBC+01, RRS99, BFL99, BBMG10, BFR99, EMB98, GR98, HAF99, HAF00, Ken99, Lee04, MVT+99, MS01, Ram95, SS05, WSH99, BKKW99].
metacomputers [BvdV99].
Methodology [DDO+92, Ham17, vdR87c, BJWZ08, KKS18b, Mat89, MSBA16, MED16, OP97, SKT02, TF17]. Methods [ALFR16, BHH91, GLS99, PT02, AHdJF97, AMM16, BMZ01, BHH92, BC03, BST+08, BCP+16, CP06, CMo03, CXZC18, CLR18, CM99, Cie04, Cuz14, Dat03, DLP06, DR03, EL03, ESG99, FL17, GKE18, HND06, IS03, KG01, KVvE18, LY19, MLG13, MG19, Mal94, MYBMM18, Mar90, MR03a, MR04b, NK05, PP06, PRW14, Rum99, SPR+10, Tof99, XA10, ZM97, ZN12, ZMS+06, dLB10].
metocean [KNI+18]. metric [LYW+18a, LWSY18, PSL19].
metric-based [LYW+18a]. metrics [AdVAGF18, BB13, CdsDS15, GJF+12, LCGP19, SPT+18, TDF07]. methodology [SM03]. methodology-based [SM03].
metropolitan [PSVL02, PP10]. Mexico [HICAFM+06]. Meyer [vdR87k]. MGF [GLM+08]. micelles [vOB95]. Michie [YJP+71]. micro [GD05, Gra01, Low01, ZWVL18].
micro-architecture [GD05]. micro-blogging [ZZJY16]. microblog [ZZJY16].
motel-based [DVVD02]. Middleware-level [GLXF17].
middlewarees [AFF+09]. Midggar
[SAGGB17, GMLGB+17]. MidHDC
[PZY16, PZY17]. MidJLW13, DPBK16, MYW
[HPS97, HXC]. FS97, FJT01, FM01, FdSC07, GGH
[OFT09, PSR]. Ly18a, LC15, LWHS07, LLSH07, NSP07,
AMB [DK17, GWO03, PCBD99, dRSBH94,
MRL14, SA97, XLZ]. migrations
[KZBK99]. [PK11, ZG19]. Military
[CLM14b, DSH]. Mille-lot
[JLL17, ZAC+18, ZZS+19, DLXR14, GR96].
mimic [SH00]. Mind [Zad87]. MiniEX [DHB02].
Mini [Kaa98, TF18]. mini-batch [TF18].
Mini-conference [Kaa98]. minigrid
[VBQ78]. minimal [TVV13]. minimising
[DHS99]. minimization [APA17, HLL+17,
JZW17, LGL+17, MFN13, ZF16].
minimize [RNJK09]. Minimizing
[JLL17, ZAC+18, ZZS+19, DLXR14, GR96].
mimimum [Dzw97, LY17]. Mining
[CLM14b, DSH+99, FGM11, FZHH14,
IHA18, JL14, LGW07, MNC+18, MSKT07,
MRL14, SA97, XLZ+14, YYG18b, YK17,
ZDW+18, AMK18, AW97, CTT02,
CGM+07, CPA14, CTT07, CS97, DGD+16,
FS97, FJT01, FM01, FSC07, GGH+06,
HPG97, HXC+18, JRF+07, KOP+17, LY17,
LY18a, LC15, LWHS07, LLSH07, NSP07,
OPT09, PSR+07, RAKJ18, SGKC10, Sin07,
SD07, SSK+08, SLLF+10, THA+17, TNY17,
TIHT14, WTG+14, WWZ18, YLHY15,
YLG+16, YL16, ZLD+03, ZC14]. MloT
[BLMU19]. MIP [MVW08]. MiPeG
[CD08]. Miscellaneous [Aon97d, Aon97e].
miscible [FPdS04]. mismatch [MCG+15].
missing [BOY14, TSAER18]. mission
[BPAP92, Lau92, MC04, RU+18, TMV+07].
mis-sion-critical [MC04, RU+18]. Misty
[AMQS+19]. Mitigating
[LYW+18b, ASB18, TA18, WSQ+18].
migitations [KdGP+19]. mix
[QC18, AGP+92]. Mixed
[AGA+18, SSFR19, SZK16, WHW16].
mixed-parallel [WHW16]. mixing
[ZHMH+18]. Mixture [BBM10]. MJSA
[BCB+07]. ML [GL05, GGLD10]. MObile
[KKA18, AR17, AT18b, BDE17, CFTL+15,
FG18, FMN+17, FLR13, KIAD17, KIMR15,
MAD+16, NKB19, RLM18, TMW+17,
VFHB14, WZM+18, WZWW18, YH16,
AHS+18, ANG+19, AMH02, AMH04,
ADLW12, AHU+19, AB18a, ADH+16,
AMGCA+18, APMZ+16, ARCM+18, AL+18,
BJ12, BDP11a, BOP+14, BN17, BRB19,
BTP18, CWD04, CGBAP18, CWJ16,
CZM+18, CZZ+18, CMVA18, DSD+11,
DYC+18, EAA16, ESPP01, FHZW18, FX07,
GD10, GSP+17, GR07, GW003, GMM18,
GSY+17, GGC18, GVST14, HKK18,
HMZ18, HXC+18, HJK+04, JLG+17,
JXC+19, JKLK17, JOSD19, KKKM13,
KB18, KGLY18, LW18a, LM07, LH13b,
LZR12, LXMW15, LHY+18, LLJ+11,
LCMX16, LPL+16, LWT+18, LWT18,
LLGY18, LZL18b, Lok12, LLA17,
MKS18, ODZ+18, OP07, PZA18, PWY03,
PKC04, PK+17, QZD+18, QGT+18,
RS17a, ROP+11, SP17, SLK17,
SCE04, STA17a, SYK+17, TIE+15,
TG+19a, UTT00, VSD13, VCDK18].
mobile [WLZ+16, WWJ17, WCL+17b,
WWTF18, WLA17b, WJMW18, XZ+14,
XCS+18, YLWW18, YXW18, 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, BRB19, EAEd18, FAMA+17, GVBG17, GCK18, GSP+17, GMP+17, HZC+08, MDB+18b, MGN+16, MK04, OVK+09, PC17, SBP+17, WZM+18, WHBC19, YCX18]. **Mobility-aware**

[GD10, YCX18]. **modal** [XPL19]. **mode** [FC05, HNP05, JKLK17, LYS12, MRV01, WMQ+16, YZZC19, ZZ17, HHH05]. **Model**

[Ans11, BHH91, DWS12, EHT10, FMN+17, LB09, LH07, LCH+17, YXY18, YCH19, YYY18, YYW+17, ZZM+18, ZRL18, ZT09, ZT19, ZLY+10, ZME+15, ZZJY16, ZNC+18, ZLY+15, dITK92, CsZW14, GM11, HLC16, KLM+03, ML19, Ml11, MCF+11, SB11, St93, SP+09]. **Model-based**

[LB09, LCH+18, BvdBM+93, IMKB89, MJM+16, SZ12]. **Model-driven**

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

[BHH91, BHH92]. **Modeling**

[AS02, AY16, BDWM17, DL+14, DYC+18, FX10, GLNT13, GS16a, GL04b, HHD+12, HBCR01, LJ19, LZY+18, MZP+19, MG18, Mor01, Mun04, Nag16, RLL+17, UT00, VCL+19, WRC17, WBJM14, Wi19, YKK13, AKP+18, AT18a, ABS+18, AMMC18, BRL19, BFC16, BGMLS17, CPB16, CAC+10, CPS18, CAPG18, CRK04, DD05, DJH+19, DC00, FSN+18a, GIK18, HKM+06, Ig104a, JAA09, KVR15, KMK18, KB16, LN18, LPD+13, LZHY19, MGT18, MG06b, MVAS89, Mdf01, MSS+16, MHY+18, NKP16, NO19, PB02, SZP00, SRP19, SBL+15, SBA+05, TZQ18, VR05, Wie03, XFM16, ZYTC15]. **Modelling**

[CFP+19, HCB16, Lin18, DPB16, MHW+16, Pap05, WCH+18, ACU95, AEM10, BPS06, BN06, CGT07, CW+13, CH04, DS99, DY04, EPB18, FPX+09, FHG95b, IJLC03, KG01, KMB+17, KG17, HK17, Lee04, LS+17, LAS16, LGS+07, OCW14, SFW+13, SCN+14]. **Models**

[BAP17a, BAP17b, GSD95, KG95, TTP+07, BS17, BGI14, BFC+12, BNJ16, BDHK06, CDF+05, CMS+18, CHSA18, CS93, DD01, GBA+09, HAP11, HLV+16, IKLL12, Joh92, KCT99, KMK07a, KM01, LMBCC89, LOR+18, Lin18, LKJ17, LTZ15, dSMAdR+17, MR04a, MHZK18, Mér17, Mor01, NBB18, OCK14, RB12, RLRC13,
multispectral [LLWN04, SYCH18].
multistage [ADK06, GS13, KYB+19].
multisymplectic [IS06]. multitask [MSO18, multithreaded
BBFW03, Ném00]. Multiuser
[NRR+15, dSBN19]. Multiuser-centered
[NRR+15]. multivariate [DD05]. multiway
[CC98]. multiworkflow [AHEM17].
München [Bun03]. MUSCLE [BC17].
MUSCLE-HPC [BC17]. music [PMFH11].
mussel [PRW14]. mutation
[DMN+05, JGFB18, YDD+18]. mutual
[JKAU19, KLIW+16, VCD+18, XPL19].
MWM [WMLS14]. myocardial
[WXZ+18a]. Myrinet [Geo02].

N [FJ00]. N-MAP [FJ00]. name
[ACScdRR17]. Named [ADBM19]. Naming
[ACScdRR17, LKJ+19]. NAND [SCH+19].
nanoscience [GFGB03]. nanotubes
[Tor01]. naphtylum [DRS04]. narrow
[Bii05a]. NAS [WJ99]. nasopharyngeal
[MA+18]. National [HY03, SVN+10a,
DR89, FS93, Han03, KFP+02, NSF87].

Native [MGH+05, TBB+17]. Natural
[Ano85g, BY93, DCC+14, LPK94, PFMC04,
RRH16, XLL+18a]. Nature
[VV16, MOBD18, ZEO01].
Nature-inspired [VV16, ZEO01]. NAUTA
[MSLP93]. Navierv [ID98, vM94].

Navigating [vVDBB98]. navigation
[VS04, ZX14a]. navigational [SOR05]. NB
[HEES19]. NB-WOA [HEES19]. NBA
[JLQZ18]. NBA-based [JLQZ18]. NCSA
[PCM99]. NDGF [KVR15]. NDN
[ADBM19]. MDB+18b. MRS18b].

NDN-over-ZigBee [ADBM19]. NDN/IoT
[MDB+18b]. near [BBJ+06]. PBTGC18].

nearest [FJ18]. GLVC18]. necessary
[XWL+18]. need [SOA17, WRBG94]. needs
[GFD14]. Negative
[YLH+19, DYC+18, SK05]. negotiation
[COC10, DMZ09, GP09, LZYC13, MG14,
MG16, RT16, RZ16, SSL12, YKL+07].

neighbor
[CZL+18b, FJ18, GLVC18, KKL06].
neighbor-selection [KKL06].

Neighborhood
[ZF16, AEGF+01, CZ12, CSL17, NAGD18,
RNJK09, WYH+17, ZZR+14].

Neighborhood-based [ZF16, ZRR+14].

NEPTUNE [OS92]. nervous [UPP17].

nesting [GL05]. net [LS05, dLB10, LS05].
NetCoM [RW13]. NetCoM-2009 [RW13].

ets [AEM10]. NetSEC [SM03]. NetSolve
[ESFD06, PCBD99]. Network
[ACC+19, AS18b, BCR+12, CBN16, CW13a,
Din91, HDKC18, JL14, LG08, MLC+11,
MBM18, MTKS00, OVK+09, Pal09, Per86,
TMW+17, TCCC11, VDKT12, WWT18,
WLR18, ZHHC17, AFO+18, ABD+19,
ADOKM06, AQAR+18, ABB+03, ABF+15a,
AF+10, AR10, BMU16, BTM06, CWL+18,
CT+99, CCL08, CFL+15, CJXX19,
CWW+16, CZH+18, CS12, CFPC17,
CFG+05, DPK+19, DCBF19. De 88, DeOl06,
DVB14, DS08, DCF19, Dui89, FZHTH14,
Fer13, FJKK17, FWB13b, FFL+19, GPA00,
GOBL16, GBY16, GvDBl15, GFR+06,
GdBW06, GMM+09, GGC18, HPZL18,
HAF+16, HUY+19, HLYW17, HCNT14,
HSP+13, HSB+18, HZL18b, HDH+18,
JAA04, JC09, KKP+05, KLJS19, KBDLG18,
KK10b, KAS+18, KSI18c, KGLA58, LJY04,
Lee04, LJ19, LZXW13, LNB14, LMZ+14,
LYYY17, LXL+17, LWSC07, LLW+19a,
LSYC18, LCS+17, LWN04, LSH+11,
LWT18, LKT14, MYHZ18, DPBK16,
MHC14, MVG18, MBC+11, MSLP93,
MBL+19].

network
[MG+18, NAGD18. OS92, PP10, PJDO13,
PMK18, PBL+18, PECA19, Pip10, PTT12,
RR18, RKSU08, RS98, RGCC18, SSG19,
SGRT19, SZP00, SM03, SP18b, STC15,
SKS+18, SCMS12, SRCR97, SPBT07,
SYAL13, Sun92, TZBK13, TBS+18, TCR+12,
UZ11, UDvdW+18, VSS88, VCDK18, VOS12,
VSV95, WGT+14, WRC17, WBC+18,
WWZZ18, WCW18, WLA18a, WSH99, XWL+15, YMLT13, YCL+19, YCXW18, YHH+19, ZGB+17, ZZDM+18, ZGV19, ZWJ+18, ZS10, ZWMC19, AS18a, BRH18, BSE+13, GPJC17, GKT15, HQ10, MC19, RGLS18, Sun10, WFQ+10, Zhu10).

**Network-aware**

[BCR+12, Pal09, TCC11, VDTK12, ZHHC17, PP10, TCR+12, UDivW+18].

**network-based** [LYYY17, Sun92, RGLS18].

**network-driven** [YMLT13].

**network-failure** [DCF19].

**Network-on-Chip** [MBM18].

**network-on-chips** [SSG19].

**Networked** [FMD99, PMFH11].

**Networking** [CG09, Gen95, HB98, Lid99, SMG18, Wil00, AB01, ABG18, BBG+05, CJK+18, GXL+12, GZLZ16, GdBW06, HDC+94, HRJ+06, LPC+05, LLF+1b, MC19, MT17, MWC+03, PYM18, PA01b, RLL+17, SP18a, SCZ+19, TGM+19a, TbdL16, VBP03, WWVJ17, WGX+19, ZBTC17, dLRW03, ADBM19].

**Networks** [SYJ+19b, EGV18, FPPD14, HGM15, KIAD17, LY19, MWQ+19, PLLP19, RQN+19, SRP19, SMS16, TKA18b, WZWW18, AJ19, AQRH+18, ASO14, APK+18, ADKSO6, ACM+18, AMPP19, ASYF18, AIB+18, Ami90, AbdLLO5, Abd03, AC18, BDP11a, BLAN+16, BS09, BMK+14b, BCR+12, BCMa07, CZY+18, ÇÖ13, CJ14, CWJ16, CJS+18, CZM+18, Che18, CZZ+18, CW13b, CSC18, Coo90, CBD+05, CdRRdCB19, CGJ+10, CS97, CHY+18, DZ98, DvdHdL06, DvdHDL09, Dör05, DKB19, DYC+18, ESPN17, EYY19, EA13, FG18, FJJ+18, FZHH14, Sou91, FM08, FR08, FP14, FSSM88, FLN+18, Ful91, GKIz05, GRTV10, GLA88, GS13, GJY18, GSP+17, GR07, GGH+06, GSJZ09, GHO+11, GBKJ18, GWG+16, GLXF17, GXL+18, GZL+18, GSN+18, GGMS18, GNVST14, HKA+18, HAAWH18, HCC+14, HAE+03, HAM18, HDB18, HYF18, HAB+06, IASK14, IEG04, JAA07, JLGQ+17, JXC+19, JL98, JW14, KKW+18].

**networks** [KY85, KRZ12, KKK07, KPM+18, KCV11, KV12, KKL06, KDO0, KESL17, KLW+16, LLYW19, LC17, LKG07, LBYL08, LWD+14, LLQS14, Li15, LFL+17, LCW+18, LZLL18a, LZF+18, LW18a, L18a, LM07, LWL+19b, LCZ12, LY18b, LWH+18, LAM07, LQLX10, LLL+11, LZXG12, LWX13, LvW14, LYL+18, LYW+1b, LGZY18, LS01, LHBC16, LLU+18, LZY+16, LLAW17, LJW19, MML+18, MG19, MNC+18, MFP05, MDB+18a, MBD+18b, MFL18, MSS+16, MLW+18b, MSO18, MYK16, MSM+18b, NBB18, NS10, NK05, NJKF18, NSSA+14, NKKH13, NS02, Ole07, Pan95b, PSL+04, PSJ+12, PRR+13, PC17, PDH18, PPMMA13, PPSP18, PBC+01, PWD18, PF17, Pud01, RVW+18, RHMG14, RM97, SJ14, SPT+18, SGCCR+16, SISGS18, SOD18, SM01a, Sap88, SVC+07, SNW01, SCY+18, SCBO4, SCS+18, SLS10, STC15, SPEW09, SDD+09, SRG+03, SJTG07, SGE18, SK05, SLJ+18, SLZ+18, SLY+19, TSD18, TY11, TL19].

**networks-based** [FG18].

**Networks-Generated** [ZHL+18].

**Neumann** [HG92, KDE04].

**Neural** [Sou91, Ful91, GKIz05, GTKK15, HDKC18, SKS+18, AFO+18, ASYF18, Ami90, Ban02b, CZH+18, Che18, Coo90, CS97, Del06, Fio06, HPZL18, HUY+19, HZL18b, JL98, KKP+05,
KLV⁺18, KS18c, LLW⁺19b, LCL⁺18, LLWN04, LYW⁺18b, LLU⁺18, MDB⁺18a, MGA⁺18, PWWD18, Pad01, RS98, RM97, TzBK13, TBS⁺18, VSV95, WCB⁺18, WLA18a, dLL10]. Neurocomputing [Mat88]. neurofuzzy [HAAH05]. Neurons [Mat88]. neuroscience [FBBW99]. neurosophic [ABMMC18].

equation generalization [ZGCM00]. news [LRL⁺14, XWL⁺15]. Newton [BMZ01, Jun18]. Next [BDF⁺99, VB18, BDP11a, GLM⁺12, HJK⁺04, KZBK99, MWC⁺03, MVL18b, P000].

next-generation [MLV18b, P000].
nexgen [VCE⁺19]. Nexus [CLM⁺16].


NN [STA17a]. nodal [Bon95]. node [SYJ⁺19b, CWDJ19, HHZ16, LC17, LTD⁺14, LJJ18, LKFB18, QZM⁺18, ROK19, LG08]. nodes [AMH04, AEGF⁺01, AC18, GZ18, JXC⁺19, KS11, LLYW19, RBj⁺13, Reh06, ZC14].

noise [MFT⁺17]. noisy [MFT⁺17]. NOMA [SCEC18]. nomadic [EA13].

Non [ID98, NGB18, RNR18, YC13, AFO⁺18, BMS05, BBBBB, BCH⁺08, CZT⁺15, CW16, CLR18, DCL00, FPdS04, GHYK18, JLU03, KKL09b, LOK09, MKH06, NP03, Tho06, TBD⁺02, WWX⁺17, WCHL10, YAO14].

don-blocking [BCH⁺08]. non-cloud [CW16]. Non-cooperative [YC13].

non-dedicated [BBB16, NP03]. non-deterministic [MKH06].

non-functional [YA014]. non-increasing [WWX⁺17]. non-interactive [KKL09b].

non-linear [CZT⁺15, FPdS04].


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, BMZ01, BV04, CFVP03, KHO⁺19, NB04, OS06, Röb05, WVC05]. nonlogical [CY88].

nonpolar [SB98]. nonrepudiable [TYH04]. nonuniform [TKT⁺08]. NOOS [AP96]. Norm [SZR18, DL03].

Norm-based [SZR18]. Normal [KCK04, RJN⁺19, WLZ⁺14]. Normalized [LS05].

normative [BDP11a]. Normir [DHH18]. North [vdR87c, vdR87e].

North-Holland [vdR87c, vdR87e].

Novel [MFT⁺17, YAO14].

Novel-based [SB98].

novel [MS90, NS90, P000, Ref87].

numeric [TSZ99].
	numerical [VZ97].

numerics [TBD⁺18].

Numerical [BN06, DLP06, IOO04, Kni89, PP06, CCY⁺18, DHD89, DP03a, DMW04, FB93, KM01, LR01, NB04, NHT06, Rum99, SS03, VCC09, ZRL18, ZXL4].

numerically [Var03].

Nuoxus [CdRRdCB19].

Nursing
Ontology-driven

Optical

Open

Optimisation

Optimization

Optimal

Opportunistic

Optimal

Opinionated

Optimisation

Optimising

Opinionated

Optimise

Optimised

Opinionated

Opinionated

Opinionated

Optimisation

Optimisation

Optimisation

Opinionated

Optimisation

Opinionated

Optimisation
MFL18, VSDD13, WBJM14, WLH+19, ZSMS18, vW19]. optimum
[Dal06, AFPG91, AFP+92].
OPTIMUM-AIV [AFPG91, AFP+92]. OptiPlanet [SGP+09, SBdL09]. OptiPortal [DLR+09, DDS+09]. OptIPuter [DLR+09, Mam09, SBdL09, SW06, TWC+06]. OpusJava [Lau01].

OR-forest-based [CY90]. OR-parallelism [Zha93]. Oracle [CW93]. oracles [MMR02]. orbit [LY18b]. orbitals [REM04]. Orchestration [MT17, JTS13, SLL+18, SLY+19, VCE+19, XWZ+19].

Order [Pan95a, AAC04, BFR05, BFC02, Bou95, Che14, Dal06, DJPM18, JNR01, LW18b, TJ18]. ordered [Bag11, GY90, Qu04, SAKOK03]. Ordering [HMH17, BBI13, Kos00, ZWJ04]. OREA [TKA18b]. organisation [EGAQ09, Gra92]. Organization [ANA16, Low01]. organisms [EA17]. Organizational [HKG+16, KSM+07a, KSM+07b, RSV90]. Organizational-based [HK+16]. organizations [Li10, RJH+09, SCZ+19, SMWF18, SR19, VWD+08]. organized [RP18]. organizing [DD05, FS07, FSM88, MPR+16, dRDR+18, dRDQM+18, SJL+18, VGR16, XWL+15]. orientated [ZDL+13]. Oriented [BZS18, CHHW91, GLXF17, SCL18, VDTK12, AMBB18, AWN+13, AB18b, AQB15, BvdV99, BdCYG05, BR18, BGV97, BHH91, BHH92, BHK90, CPDJ13, CLL+14, CGST09, DVID12, DM12, DC00, EAED18, EG18, FLR+16, FJ00, FKT14, GVURIVBV14, GA13, Gil85b, HW0W4, Huo05, HLT+18, JBA94, JKL17, KST92, Kob92, KK16, LL03, LvSW+04, LX13, LWZ18, MLSF16, MHA08, MRS+18a, NK15, OFT09, OE13, PSLZ18, PBA18, SBLW14, SZD+17, SLL+18, SAC11, Tak05, TAKV12, TBK06, VSM02, VDK12, WDJC18, WYN+90, WZWW18, XLW+17, XDHL12, YNSM12, YZW14, GMEO8, Sun10]. Origin [LHB95]. Origin-based [LHB95]. orthogonal [Fio06, PP06]. Orthogonal [DV03]. OSCAR [LSLS05]. oscillatory [DR03]. OSG [VHML10]. OSI [Kob92].

OSINT [QC18]. OSLN [Sun10]. OSNs [GSN+18]. Osseous [DGA18]. osteochondral [Bo19]. other [HXA+17, ZZZC18]. out-of-order [BFR05, BFC02]. outdoor [MLGGB+17]. outlier [DJPM18, NGB18]. outliers [SAG19]. Output [JJKL17, Aha06b, HPLZ18, WHCZ18]. Output-oriented [JJKL17]. Outputs [SK97, CCR18]. outsourced [FS18, LYZC15, DMS15, WQRS16, WCL+17a, ZSS+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, LPHY19, MTKS00, MLV18b, RS17b]. Overlap [LJJ18, BCFOS2]. overlapped [MTM08]. overlapping [ID98, RZMD01, SJL+18, SAC11]. Overlay [SCMS12, BTM06, CCL08, CW13b, EA13, JC08, MBLS11, Pip10, PTT12, PIP18a, RUS08, TY11, YXC05]. overlays [AN08]. overload [LYY18]. overloaded [SP17]. oversubscription [MCA16]. Overview [BP94, ZG18, AT19a, AB19b, BCP18, DGST09, FBS18, KY85, KE85, Lan00, Miz89a, VdR93b]. OVM [BFC02]. own [VPA+18]. Owner [HLH+18, SBL18]. ownership [KH18b, LCL+19, RACA18, SK18].

P [Alo86i, Ano87b, Ano87c, Ano87l, JLL17, vdR87e, FK11, KKS08, MHZK18, SdR99, SSLF+10]. P-batch [JLL17]. P-CAM [SdR99]. P-found [SSLF+10]. P-GRADE
[FK11, KKS08]. **P-Spec** [MHIZK18]. **P2P**
[AR10, BCR+12, CsZW14, CW13b, DMZ09, FM08, FR08, GDJ+13, GP05, GNW05, HCC+14, HNKÖ18, HDLW13, IT05].
Kim07a, LS10, LJY12, LLZ07, LQLX10, MM08, OPO13, OCCK14, PRS+13, RLP12, RHMG14, SA07, SAGL10, SYL18, WN10, WW13, WM07, YCX05, YMD+13, ZZL+10].
**P2P-assisted** [HDLW13].
**P2P-based** [GDJ+13, SAGL10].
**P2P-content** [BCR+12].
**P2P/Grid** [YCX05].
**P2P/Grid-based** [YCX05].
**PaaS** [KKKM18, KKKM17].
**Pachycondyla** [MVS09].
**package** [BKLM01, De 98, SLZ95, YA07].
**packet** [KDHP16, MUS+18a].
**packets** [HCL+17].
**Packing** [BB17, LGMV02, MA-A+19, SK12].
**PaCMAn** [ESPP01].
**PadicoTM** [DPP03].
**Page** [vdR87b, BRXS11, LXL+17].
**PageRank** [MK19, RCM17].
**pages** [An086i, JDW+14, Teb86, vdR86b].
**pacing** [BK06].
**Pairing** [MLC+18a, LL16].
**pairing-free** [LL16].
**pairwise** [Tis07, XZ14b, YWJ+18].
**Palmprint** [BG12].
**panchromatic** [GHEB+18].
**pansharpening** [YJJ+18].
**paper** [ECFP17a].
**Papers** [TCG14, BGL08, CC11, CCL18, Igl07, KZ17, LBR02, RW13].
**para** [LC13].
**para-virtualized** [LC13].
**paradigm** [AHS+18, AHP+18, BLMU19, BDP11b, BRH18, 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, Aba06b, AJY15a, ABF93, AAZ+02, AMB+92, Ama88, Ama89, AKW90a, Ano90g, AR98, BCL88, B MPS01, BVP+87, BJNH05, BHH+93, BHK90, BLO3, BLM10, CDG+14, CLZ18, CN92, CTHH91, CSP98, DDO+92, DFSZ88, EDD+10, EFD00, ES94, GL05, G05, GA06, GCK98, IMV90, IST04, JS89, KKI14, KGX95, KU01, LOJ+07, LDH95, Luk00, Mal94, Mal01, Mal02, Mal05, MP96, OSH96, PP95, dRRdQGR+18, RZDM01, SdR99, SBS98, SG95, SM96, TCG14, TKRA14, TDB+02, Uch87, VSVd95, Vre88, WGL92, ZHHQ18, ZEO01, dSL98, Aha06a, AEGF+01, AT01, ADT03, AKW90b, dRADFG18, AS14, Bal92, BBH18, BBC+99, BC17, BK97, BPS06, BG05, BBJ+06, BGC+03, BKB18a, BGMLS17, BFC02, BL92, Bont95, BSG+05, BCW01, BCM+95, CLP95, CGCB+12, CVT19, CPgAS+13, CST91, CST92, CZY+18, CZL+18a].
**parallel**
[CTF+99, CRV15, CBK+01, Cas94, CMS+18, CHSA18, CG02, CKFJ06, CEGL01, CGL08, CCL11, CXL+17, CY90, CC98, CS96, CTM06, CCHW03, dCDF015, CPF93, CSP13, DST14, DDRR96, DZJ+00, DRS+97, DLV86, DVO1, Dv90, EGCV+06, EL98, ESP01, FSP02, FGM11, FD95, FN00, FM10b, GVD16, GNOY01, GWrong+07, GBS10, GJS+94, Ger02, GGLD10, GHWW94, GODM98, Gil94, GZWQ13, GC94, HH98, HHSW92, HHS98, HRSW99, HAC92, HHG05, Her91, HKT94, HLS006, Hl030, HX10, HSS00, HHZ16, Hum92, HLZ18, HMC06, ID98, ISS+15, JPB17, JL95, JSK+06, JBA94, JL03, JLY+18, JMO1, JEB18, JLMR00, KDFL99, KK00, KP00, Kac00, KA09, KZL06, KSY92, KMK90, Kos00, Kos95, KM01, KTV03, KB02, KL02, LC04, LP01, LR01, LYW+18a, Li18, LLRS94, LSH11, LN94, LRM94, LSS94].
SVN10b, THKG98, Tan02b, TTC+14, TF18, TMT+07, Tic03, TV08, Tis07, TSZP99, UM02, VASP95, VP94, Vre89, VF01, VFS01, VS95, WKZ+03, WKC+13, WHW16, WJZ+17, WWZC19, WAE06, WHYZ17, XHY+90, YCAS03, YdOLS+05, ZT90, ZT91, ZGCM00, ZEO98, ZXL14, dKdOS03, dLB10, dOOO+13, dTK92, mM95, vKvWD+13, vLV9a, vDV9b, BG87, Her87, NCCS99, NS17b, TRFR01, VD16, vR86b.

Parallel-Operating [BG87]; parallel/distributed [CBK+01]; parallelisation [IJLC03]; parallelise [IJLC03, SLZ95]. Parallelising [Kea93]. Parallelism [Par90, Bal91a, CDG+14, Gos00, HPGMM18, Hey90, Joh89, Kos95, MBFC99, WC14, WRBG94, Zha93, ZS90]. Parallelizable [Tor13]. Parallelization [BST+04, BPC+01, BVDF00, LPB04, WYJ99, BCMR01, Fah98, KC98, SMC18, vM94]. Parallelizing [GWC+16].


 Parsytec [Cro95, vOB95]. part [PH94, MK16b, PZY16, PZY17, RVC16a]. Partial [WWT+16, PBC+16, PBC+17, TBD+02, Xia06, YCX18]. partial-load [PBC+16, PBC+17]. partially [HKS18, Ven08]. partially-observably [Ven08]. participant [MLW+18b]. participating [TDC+14]. participation [CAB+18, EKGS14, NZOCJ+19]. participatory [LLGY18]. Particle [KG01, Sin92, WCL+17b, XRPT18, ABB+03, BVDF00, CM99, Len01, LAH10, Low01, MKH06, SLW01, ZSMS18]. particle/continuum [Low01]. particles [Dzw97, DB99]. particularization [CPSRG14]. partition [DLW07, JLY+18, LZW+18, RSJ+14, TF18]. partition-based [TF18]. partitioned [DLXR14]. partitioner [DHB02, LZW+18]. Partitioning [ATF11, kHsZwJW18, SW05, SLG+17, BW97, GOMD98, HZC+08, LCD17, VSSP13, WC01, YWCC18]. partitions [SAC11]. Partridge [Ano87k]. party [CM00, ED19, KKB18, Pol98]. pass [CDD+19, LY18a]. passage [BDHK06].

Passing [DKD08, Ber98, BFR99, Ciu10a, Gor02, Kac00, Kal94, LDSS95]. passive [CSZW14, DD05]. passport [GW003]. password [IOV+18, LZS18, ZXWA18]. password-based [IOV+18]. Past [AGMT17, Fer84]. PAT [WHS+18]. patchable [GHYK18]. Path [AHEM17, ADOKM06, Che13a, DvdHgdL09, GdLvOT03, KED04, KN10, Luk89, Mar02, NJHT11, DLS14, SJR13, THN+06, WWT+16, Xia06, ZWMC19]. path-based [ADOKM06]. path-planning [Mar02]. paths [Alb04, CFG+05, WW11, YXXZG18b, vOHD+05]. patience [DACNC16]. patient [AIB+18, CTT+08a, JNS+19, RRS10]. patient-centered [JNS+19]. patients [DNW+19, HEES19, MSA+19, NDA+19, VFHB14, WWA19]. Pattern [JHC18, dRADFG18, CD99, DDL01, KZCW13, LHJC18, LY18a, MP02, MRS+18a, Pet95, PSS+18, RAJK18, THA+17, TNY17, TSOB15, WKT00, YL16]. Patterns [APS+19, AM17, AVP17, ABG17, AW19, BP02, CDG+14, IHA18, KL02, LRJG19, LY17, LC15, MRL14, PSK+10]. Paving [dRADFG18]. Pay [CDH+19]. Pay-As-You-Go [CDH+19]. Payload [VOV17, JKAU19]. payload-based [JKAU19]. payment
[CLM'14a, Pol99, SYW17, ZWX'19].

**payments** [HCW'18]. **PC**

[MTK'00, MLS'01]. **PC-clusters**

[MLS'01]. **PCP** [WWT'16]. **PCP-B**

[WWT'16]. **PCRLB** [LWX'13].

**PCRLB-based** [LWX'13]. **PCs** [BL02]. **PD**

[PKI'18]. **PDDRA** [SR12]. **PDE**

[BRMN'04, BEWZ'10, NHT'06, Par'06, TBK'06].

**PDE-based** [BRMN'04]. **PDEs**

[MR04b, MR03a]. **PDG** [CLP'95]. peak

[NJKF'18]. **pears** [BBH'18]. **pedestrian**

[KVK'18, RSY'18]. peer

[ADK'09, BS09, CCT'13, ÇÖ'13, FLPP'05, HWZL'08, JC09, KKL'06, KIC'12, Li15, LAM'07, MTV'05, MCT'09, MRD'10, PGSM'05, PSJ'12, PMMAM'13, PRS'12, Pip'18a, PPLL'17, SM10, SLZ'09, WLP'10, WLI'10, XKBA'18, ZQQZ'09, ZA13, BNFW'08, CTT'08a, CdCD'07, FX10, HJC'10, TPBS'14, TTP'07, WTK'07]. peer-to-peer

[ADK'09, BS09, CCT'13, ÇÖ'13, FLPP'05, JC09, KKL'06, KIC'12, Li15, LAM'07, MRD'10, PGSM'05, PMMAM'13, PRS'12, Pip'18a, PPLL'17, SM10, SLZ'09, WLP'10, XKB'A18, ZQQZ'09, ZA13, BNFW'08, CTT'08a, CdCD'07, FX10, HJC'10, TPBS'14, TTP'07, WTK'07]. Pegasus

[DVJ'15].

**PEI** [VP'94]. penalty [GZZ'18]. people

[GMLGB'17, GGM'S18, RSMPP'17]. people-to-people

[GGM'S18].

**per-application** [XLY'14]. perceived

[XGY'18]. perceived-constraint [XGY'18].

perception

[GGH'19, IWH'18, ZYW'18, vVDB'B99].

**percolation** [BMP'S01, Pa13].

percolation-driven [Pal'n3]. **Performance**

[AFSH'18, AHLL'11, APS'19, BMROW'01, BGH'14, Bnz99, BDZ'13, BM92, BP94, BK06, CMT'01, CHC'17, CMZ'95, Cho'04, CCKW'88, DZ0'4, Din'09, EPRB'18, ETR'13, FM01, FBS'18, Gen'95, GBT87, HB98, HCL07, HMW'14, HJCD'05, HJK'04, JSK'06, JS13, KZC'04, KJFS'12, KSW'13, KUN'94, LRC'18, LPD'13, LOK'09, LZHY'19, MLC'11,

MYBMM'18, MM03, MLZ'00, Par'04, Pip'18b, RKSU08, RPMG'10, SI18, Shi04, SD03, SG14, SVA01, SK06, TDF'07, VSV95, WDJC'18, Wil00, Wri19, WXGM'18, Yam'92, dOOO'13, dSL'98, ABA09, AB01, AFP'07, ADKZ'06, ACU'95, AMW'99, AB95, AKB18b, ASB18, ABF'S'17, BAF'S'17b, BBC'99, BC17, Ber96, BCS'99, Bhu95, Bis'94, BS09, BGS'03, BGM'17, BRHH'18, CRE01, CN17, CSW06, CCRV13, CWD'08, CKF'06, CSG'18, CW13a, CLP'14, CS12, DCS'07, DCBF'19, DRS'97].

**performance**

[DP'S16, DGGCH'17, Dog'09, DSHS'09, ET98, EP13, FD02, FM'S'18a, FJ00, FJT'01, FPR'18, FdSC07, GVD6T'16, GAFFO'12, GN01, GS13, GJ13, GJ13, GJ13, GLN'T13, GEAR13, GRMSO'18, GIK'18, GGH'06, GGSZ'09, GJPK'18, GG10, GAB'96, HD05, HAF'16, HHSW'92, HCD'94, HAE'03, HO'02, HKT'10, HKM'06, HWZL'08, JAA'09, JLC'18, KDH'16, Kal'94, KZL'06, KMB'17, KVBV'14, Kha'12, KSA'08, KBM'02, KKK'07, KPM'18, KCV'11, KK'W'14, KS17b, KAEC'18, KB92, Lau01, LSL'05, Lee'04, LGW'07, LB09, LRY'17, LSD'17, LHF'18, LFH'15, LLSR'02, LM90b, MJMN'16, MH01, MYW'19, MAJD'18, MBMTJ'18, MKH06, MI01, MKH13, MD12, MSBA16, MSM'18a, MFL8, MOK'06, MDT'18, MRD'10, MWMA10, NNRA19, OG18, OF07, OKF10, OP97, OS01, PLZ'19, PS10, PH99, PSL'19, PMBS14, PSP'09, PH94, PPA'19, PDDS'10, RSV90, RMJ'18, RS16].

**performance**

[RLL'17, Reu03b, RSR'01, RS'94, RKB'18, RZDM'01, SPMC10, SEH'99, STH'98, SGFS01, SB97, Sch93, SHN'10, SGKC10, SEMJ11, SSZ13, SBA'17, Ste'94, SRCR'97, SSP17, SCH'19, SVN'10b, TLTY'06, Tao10, TMDZ15, TBDL'16, TS08, TBNF09, Tur18, VSM'02, VBP'03, WJS'18, WMY'18, WZWC'18, WBF'08, Wit'94, WSH'99, WHW17, CCC'09, XTF'19, XDHL'12,
performances [CGIP'14, GIM'16, UNM'16].
performing [CEJK'94, SOD'18]. perimeter [RR'18].
perimeters [DDR'03, CEJK'94, SOD'18]. performing
periodic [DOV'01]. period [DOV'01].
periodic-frequent [IHA'18].
performances [CGIP'14, GIM'16, UNM'16].
performing [CEJK'94, SOD'18]. perimeter [RR'18].
perimeters [DDR'03, CEJK'94, SOD'18]. performing
periodic [DOV'01]. period [DOV'01].
periodic-frequent [IHA'18].
performances [CGIP'14, GIM'16, UNM'16].
performing [CEJK'94, SOD'18]. perimeter [RR'18].
perimeters [DDR'03, CEJK'94, SOD'18]. performing
periodic [DOV'01]. period [DOV'01].
periodic-frequent [IHA'18].
performances [CGIP'14, GIM'16, UNM'16].
performing [CEJK'94, SOD'18]. perimeter [RR'18].
perimeters [DDR'03, CEJK'94, SOD'18]. performing
periodic [DOV'01]. period [DOV'01].
periodic-frequent [IHA'18].
TZLL18, TMW+17, TMMVL12, YPLZ17, YYLc10, ZWHC17, ZLL+16. Placing
[KNZ10]. plan [ABZK15, LWS+12]. Planck
[TMV+07]. plane
[CBBdl16, GZLZ16, LLW+19b]. planes
[Man09]. planned [KY85]. Planning
[WTM+17, AMD08, AFPG91, AFP+92, BA17, CMB17, CYJ19, DCC+14, KDE04, Mar02, OS92, RN04, SA14, ZWMC19].
plant [Hir89, MAe89, PAC+17, Suz89].
plants [Han89]. plasma [BVDF00].
plasmas [GPH+94]. plastic [Ned06]. Platform
[GC00, GPS+17, PECA19, SV16, AMQS+19, CQW+19, CVKB12, CGSV17, CW93, CSQl17, DDV92, DVVD02, DBA98, Fau05, FPP+18, FCD+14, FSP+18,
GTMs17, JNS+19, KKS+18a, KKKM17, KKKM18, LJK10, LC14, LSH+11, LWS07, LLW+18b, MAD+16, NV11, NKB19, NDZ+18a, NDZ+18b, NDZ+19, PWB+13,
PPL17, QZD+18, SAGGB17, SBHD08, SA19, SBD+18, TKA+18a, TSGVRGS19, Tcn+14, TCB+17, VF18, WTK07, WQG15, WCC+16, XFL16, YWL+17, ZJW204, dSK+19, CLM+16]. Platform-as-a-Service
[CLM+16]. platforms [AUSA19, BYV+09, CTC13, CA15b, DXL+18, HA16, HA18, KMK+14, LCH+11, LOR+18, LLW+18a, LRZ+18, LZX16, MI01, MCQ1A6, NNC+19, PDDS18, PPA18, RB18, SB16, SBP+17, SG15, ZCL+14, ZZQ+13, dSBN19]. play
dRRR+18b, WXYL15]. playground
[GGW+09]. Playing [Mé17]. PLC
[XKJ+18]. PLFG [Tan02b]. Plug
[MS01, CCDS08, dRRR+18]. plug-and-play [dRRR+18]. plug-in
[CCDS08]. Plug-ins [MS01]. plumes
[Sha16]. plus [BS96, CY69]. PM
[WBF08, XTL+19]. PMC [BBC+12].
PMC-based [BBC+12]. PMCommunication [STH+98]. PMI
[TLC+15]. PODOS [VSM02]. Point
[WAE06, CFVP03, FGG03, Fio06, LWSY18, LW18b, Ram95, SKF+11, XWL+18, WTC+02]. point-of-interest
[LWSY18, LW18b]. pointer [KP12].
pointing [MKS18]. Points
[YZZC19, DNJG17]. Poisonedwater
[WN10]. Poisson [LZLL18a]. PoKeMon
[FZW+18]. polarizabilities [Tor04]. pole
[Var03]. policies
[ABDO18, BFPI18, CXC+18, DZ04, DT16, EPB18, Lea13, LHM14, LHC03, MG14, MVC+13, FZA18, SMF18]. Policy
[Baa87, NCS12, Rao17, Aba09, AEK+18, BBI13, DLH+17, FS18, HY09, HZL18a, Hua10, JFZL17, JSMG18, LL04c, LJ10, LJD19, MHZK18, QRW+18, VCC+03, XLB18b, YBQ07, LAL+15, LHL15].
policy-based [VCC+03]. pollination
[GHEB18]. polling [AAC04]. polyadic
[Bu18]. polygons [LD04]. polymer
[JLMR00]. polymorphic [AMM16].
Polynomials
[TX14]. polyradicals [She04].
polysonographies [KCH+13]. POMPC
[Por95]. POOSS [CHHW91]. POPV
[NK07]. POP-C [NK07]. POPE
[BG87]. Popularity
[WZML18, ZLL17a]. Popularity-based
[WZM18]. population
[Gue01, KX11]. pornographic [LYX14].
porosimetry
[HRJ+04]. porous [RS99].
port
[CHHW03, ESPN17]. portability
[CN92, HA18, MC69, PSL19, Reu03b]. portable
[BCM+95, GD03b, MMC+18, PMPC13].
portal
[FFPS10, GL04a, KKS08, LW08, RMA+16, YLC+06, BAD+05, FK11, FNA12]. portal-based
[LW08]. portals [BCMA07].
portfolio [BHRT09, HKP10]. Porting
[FHGH95, CR92, GJS+94]. ports
[CSL18]. Position
[FZW+18, YXXA+18, BSE+13, ZF16].
position-based [ZF16]. positioning
[CCC19, HDH+18, LWL+16, OMD+18]. positive
[AMO06, WJL18]. positives
[LY17]. possession
[Che13b, SY+17, YZN+15]. post
Preferred [LZY+19], prefetching [CY01, PK04, WZWC18]. pregnancy [MRS+18a]. Preliminary [LF95a, KSY92, TC92]. premiere [MBC+11]. Prentice [vdR87b]. Prentice-Hall [vdR87h]. preparation [dLLA03]. pre-processing [CGM+07, MCSA18, RHKC15]. Preprocessor [VOV17]. prescribed [CDS03]. prescription [HIA+18b]. presence [KDHP16, MFT+17, RBLvM14]. Present [Abe92, AGMT17, Fer84, Bis94]. presentation [Zna94]. preservation [BKM03, HBH09, PLW+19, SYJA19]. preserved [CRYG18, ZCL+19]. Preserving [TSOB15, YDNV16, ALL+18, CZ12, DHW+17, EL03, FTA+14, FH13, FRZ19, GQXL18, GAF+18, IOV+18, JCMPPC+18, JYY+17, JLC18, KKB18, KC19, KLMB19, KH18b, LLC+14b, LCL+16, LLH+17, LYY+18, LLY+18, LXMW15, LML+16, LDY+18, LNY+18, LLAW17, MML+18, NK17, PSY+19, QZD+18, QGX18, RBA17, SYY+17, SLW11, SLL+17, TAS+18, UM02, VCD+18, Wan18b, XCS+18, YLN15, YZG+18, YCXW18, YHH+19, ZYK17, ZXL18, ZZX+19, ZRZ+14]. Press [Teb86, Zad87, vdR87i, vdR87j]. pressure [DMN+05]. pretense [NCC+19]. prevalence [RAK18]. prevent [LTN10]. preventing [SM18]. prevention [KIA17]. preventive [PPMM+18]. PREVISE [PLL93]. Price [AnO86i, An087b, An087c, An087d, CLR18, GGLW18, JTB13, JHC18, vdR87b, vdR87a, vdR87d, YCDW18, vdR87i, vdR87j]. pricing [ADA+19, DVB14, DEG+17, JBR+16, RA12, SVB07, Ven08, YLJL18, YVCB10, ZXXL18, GVA+16]. primitives [BH13, BDF05]. Principles [DHS00a, VGRG16, DK00, Gil94, GS15, PO00, Pap05, WRBG94]. print [KLH+04]. printed [YCZJ18]. priority [GL04a]. priorities [GS13]. prioritization [FD95, SRN+18]. Prioritized [WBT+08]. priority [AS18a, ÇBCA15, DSCJ18, VAdIP12]. Privacy [AWYJ16, ACC+19, ALL+18, CRYG18, FTA+14, FRZ19, GQXL18, JYY+17, KH18b, LLC+14b, LYY+18, LLY+18, LLG18, LLAW17, MZZK18, NK17, Opp00, PMBS14, PSY+19, QGX18, TAS+18, WSN18, XDDL15, YDNV16, YZG+18, ZYK17, ZWS+12, ZCL+19, ACL+18, AdVAGF18, AIA+18b, AM10, CD16, DA18, DGY+18, FH13, GAI+18, GBKJ18, GSX+18, HMK+16, IOV+18, JCMPPC+18, JLC18, KKB18, KYY+19, KC19, KLMB19, LCL+16, LLH+17, LYY+18, LLY+18, LXMW15, LML+16, LDY+18, LNY+18, LLAW17, MML+18, NK17, PSY+19, QZD+18, QGX18, RBA17, SYY+17, SLW11, SLL+17, TAS+18, UM02, VCD+18, Wan18b, XCS+18, YLN15, YZG+18, YCXW18, YHH+19, ZYK17, ZXL18, ZZX+19, ZRZ+14]. Privacy-aware [MHZK18, DA18, SCH+17]. Privacy-based [LLY18]. Privacy-preserved [CRYG18, ZCL+19]. Privacy-Preserving [YDNV16, ALL+18, FRZ19, GQXL18, KH18b, LLC+14b, LLG18, LLAW17, PSY+19, QGX18, TAS+18, YZG+18, ZYK17, GAI+18, JLC18, KC19, KLMB19, LCL+16, LLH+17, LYM15, LXMW15, LML+16, LSHW17, LDY+18, LNY+18, LRBW17, MML+18, NWMG17, PARMF14, PLW+19, QZD+18, RHH+16, RBA17, SYJA19, SYY+17, SCL14, SCZ+14, SLW11, SCH+17, SLL+17, VCD+18, Wan18b, XCS+18, YLN15, YZW+18, YXA+18, YCWX18, YK17, ZCLW18, ZX18, ZCC+18, ZZZ+18, ZRZ+14]. Privacy-protected [WSN18]. privacy-protecting [CD16]. Privacy/performance [PMBS14]. Private [RBLvM14, CL+14, FDRP17, GSN12, HYF18, KTY03, KL11, Nag06a, PMBS14, SGK10, ZLX18]. privatized [SB17b]. PrivBox [ABH18]. privilege [CO03, QRW+18, XWRZ19]. PRNU [VOC17]. PRNU-based [VOC17]. Proactive [GHYK18, LW18a, QGT+18, WZML18,
Probabilistic [MK95, RT16, AC92, Bag16, Ban05, EMM12, SB18]. \textit{probabilities} [DK14]. \textit{Probability} [HLC16, LYYV18]. \textit{Probability-based} [HLC16]. Problem [Jon00, Pad92, YPF05, ABBEM18, ABMMC18, AK18a, BZMY10, BJA+05, BP13, BHRT98, CSG+05, CGH04, CD99, CRM10, Del06, DV13, DOV01, DSCJ18, EPJ+05, MM18, HXW18, KKS08, KPS18, Kos00, MC00, NMC05, OVDV98, OB19, Prz03, SJR13, SM18, SV15, TRFR01, TV16, Tre03, VDP09, WH05, WL16, WA06, ZS05b, ZAP05, tTvH96, vdv89a, SM10, VAS95]. \textit{Problem-Solving} [YPF05, Pad92, CRM05, WH05]. Problems [Nit86, SSG17, Van87a, BCMR01, BS04, BV04, CM16, CTM06, D03, DHD99, DR03, ED04, FFPS10, Hul89, JNR01, MGMT18, MR04a, MKK03, NB04, NED06, PKC05, RGH01, SKT08, Sch03, SJV12, Tab06, THKG98, VFS01, WWX+17, XA10, XRPT18, YD+18, ZRK18, ZTE98, ZEO01]. \textit{procedural} [BMFC07]. \textit{procedures} [RB12, dLLA93]. \textit{Proceedings} [Rho89]. Process [ANG+19, SJ+15, BBL+05, CL95, CRZ15, CAS+18, Cur92, D90, DL+14, EG18, FJ00, HAAH05, HXC+18, LZZ+18, LWH+18, LCCM18, MK11, NW99, PTD+18, dRRdGR+18, SGY+07, TIHT14, WZ16, ZMS+06]. \textit{process-based} [LH+18]. \textit{process-independent} [GE18]. \textit{process-level} [CL95]. \textit{processed} [De 88]. \textit{processes} [Bag16, BMP01, BKB18a, BDNN02, CM01, CHA18, EL98, G01, HW95, LDJ18, Mis92, MAB+15, SKT02, WML14]. \textit{Processing} [CLNR18, FMD99, HCB16, LJ17a, MLBS11, WXGM18, YZ18, Ano86j, ADLM18, dRADFG18, BKB11, CQW+19, CMX+16, CLZ18, CN92, Chv87, CEJ94, CGM+18, CBBdL16, DMR93, DF97, EFD00, EMHE18, FPR18, GP09, Her87, HRVW18, Hsu14, JSZ+19, KKI14, Kim18, Kob92, KVHT10, KE85, LGH97, LKM14, LGW+17, LH07, LK08, LHW+18, LRC+18, LM90a, MLC18b, MTD18, MAPA19, NMZC06, ONHT89, PK99, PKY+17, PPPS18, PPS+18, Rep87, Sap88, SL87, STC15, S14, SSL13, SDR+18, TWZ18, Tie93, TDBR18, VEET18, WPQ+18, WZW+19, WWN13, WMY+18, WvDL16, XB14, XT+19, YFY+13, ZBY+18, ZFS+18, ZQB+18, ZEO98, ZBB19, vdR86b, ZSP17]. \textit{Processor} [VV92, XHY+90, AG92, Dui90, G15, Goo01, Goo02, JCSS01, LC03, LMH+09, MRN19, MW12, Ser98, WWZC19, DFS88, Geo02]. processors [ASW11, ADH+16, BVFGWA15, BFR05, DR05, FD95, GVA+16, KR14, L18, LGM16, PAB+14, SD06, SCK+00, WSH+16, WLRL18, YDT19]. \textit{ProCoS} [BHH91, BHH92]. \textit{Procrustes} [Tre03]. \textit{procurement} [VV15]. \textit{Producing} [Wei11, LHJ18]. \textit{product} [HBCR90, SPS18, Tho06, WHZC18, XLL+19]. \textit{production} [BDM011, EG18, GSV+10, GML99, KH98, LLC+16, MSS+13, RSRA18, RWV+13, YMW+18]. \textit{productive} [IA18]. \textit{productivity} [LJ07]. \textit{products} [BAB13, GGLW18, KHG+18, Pin87, VK17]. \textit{products-Towards} [KHG+18]. \textit{professionalized} [ZCH+17]. \textit{ProFID} [CO13]. \textit{Profile} [VTTK17, CL+16, FC05, LLAW17, SL11, ZL04a]. \textit{Profile-based} [VTTK17, ZL04a]. \textit{profile-driven} [FC05]. \textit{profile-matching} [LLAW17]. \textit{profiled} [RAKJ18]. \textit{profiles} [PARK14]. \textit{Profiling} [ADLM18, EET18, JCD+13, ZHY19, PFS+13, SL11, YZLQ14]. \textit{Profit} [AB17, AB18c, CBLS13, GBF+12]. \textit{Profit-aware} [AB17, AB18c]. \textit{profit-driven} [GBF+12]. \textit{prognostics} [PLL19]. \textit{Program} [BS96, B94, ASV+13, Ano86m, Baa87, Bu03, CC00, Fab98, FHC95b, H603, KDF19, Kom89b, KV03, ...
Programmable [BRH18, To99, XLL18].
Programmes [HT02].
Programmer [Kea99].
Programmer-level [Kea99].
programmers [Teb86, vdR87i].
Programming [BCL88, BR92, BP94, CSP98, JBA94, KGX95, KMB+02, KB92, Lok12, LS+F94, NK07, PB95, ST99, ACGdT02, ADAAD12, ADT03, Aon85k, Ano85g, Bal92, Bal16, BMFC07, BSG+05, BLB03, CLP95, CDF+05, CMS+98, CPPK05, DDR99, DLS00b, DLW86, DSC18, GQLX18, GHWZ94, GdVC10, GGA+17, HLSØ06, IMSV90, JLQ18, JF05, Koc09b, LP01, Luk89, MD92a, Mcc96, MS01, MK95, NF13, OBK88, Oku92, SSKF95, SFR15, SHJ06, WWC14, WM14, WW00, WHY27, WB90, YLG+16, ZME+15, vdR87b, vdR87j].
Programs [ABF93, DDO+92, BMFC07, CRE01, CY90, CAB+18, De 88, FSP02, FJ00, JCSS01, Kac00, KTV03, LTOT07, LRMc94, Mal94, Reu03b, RCD03, TDC+14, VP94, WWZC19, ZT90, ZT91, Zha93, ZS90].
Progress [HV84, WGX+97, DQ97, Hul89, MAC+17].
progression [DR+19].
Progressive [CCM98, CCLS09, VS04].
Program [Zin00, Ais88, ALFR16, Coo94, DSC18, FS93, FK99, Fur92, Jon00, Kas85, Lin84, NTSN86, VBP03, vdR87e, vdR93b, BVP+87, KMB+02, MF05, Sti93].
projection [BV04, BWG19, CGN18].
Projections [HK88, KZLk06].
projects [Mar86, NSF87].
Prolog [BG87, vdR87g, Dapo90, AR98, CXY88, CYB90, CG94, HSS00, LK90a, LY90b, Lop93, Teb86, vdR87i, vdR87t].
Promise [TS99, FS97, Fu91].
Promises [DC+F18].
promote [Mat18].
Promoting [FdsC07].
prone [AGKZ18].
proof [LNY+18, MD92b].
Propagating
[CsZW14, SKS+18, FX10, GKVZ05, GCK98, LNB14, OA17, TM05, XHL+19].
propelling [Suz89].
proper [SMBMT+18].
properties [Bano5, DA16, IS06, KJ+11, LS05, NCS04].
property [YSZW18].
proportional [LL04c, NP06].
proportional-share [NP06].
proportions [kHSZW18].
[SCP+17, Ka92], Prospects [TS99, Fer84].
protected [WSN18].
Protecting [EHMS00, Sip12, SSB13, CD16].
Protection [HL+97, AIA+18, HZW+18, HKX13, KBY+19, LTJK12, LZL+12, Opp00, PvdSS17, RS17b, WDJC18, XWRZ19].
protein [BORM07, CGV10, CCG07, DCK03, DNJG17, SSLF+10, TMT+07, VR12].
proteins [BORM07, FVFA98].
Protocol [GLXF17, AMH02, AMH04, AGR19, AQRH+18, AT19b, AS02, ACE02, AKB+18a, ASAA18, AH11, BP13, BDFP05, BRB19, CHJS+10, FG18, GCK18, GZL+18, HZW+18, IOV+18, JBM+18, KKY+19, KKL09b, KC19, LCL+19, LSD11, LW+16, LWL+18, LW9, LM12, LLAW17, MLC+18, MZD+16, RAC18, Ren03a, RRU+18, SCS+18, TKA18b, Wan18b, XZZ+14, XW+18, ZYW+18, ZXWA18, BBM+03, JL14, OVK+09].
Protocols [BCH+08, GSD95, ZYA+18, BSRR18, BAC02, CIG+18, DSS98, DZH18, GBKJ18, LTC12, RC18, RC19, RMBB18, TLS17, TVV13, TAY+18, UKM19, YH18, ZGS+13, ZAI+18, SMC99].
prototype [Ans11, GRPL04, KSY92, WWVJ17, ZY90, ZCW+04].
prova [GMB19].
provable [WXYL15].
Provably [ODK+17, WWW+16, Wan19, GPA96, KLV+17, TX14].
Provenance [GCC+11, GMI11, MII11, MCF+11, SB11, ATdC+16, ABG17, Anu13, CPA14, CDL18, CMD+14, DCMB15, DMML11, FOKC11, HMM18, IHIK+18, LCHW14, LCCF11, LFH+15, MMS+13, MG11, SGM11, WLF+09, WWH17, XFTZ16].
provers [Sti93].
provide [MK04].
Provider [GVDBdL15, BMU16, CLM+16, BGRM18, IGB+14, PRSR14].
Providers
[ABTA18, FMN+17, SS17, CMB17, CAC+15, CBLS13, FG14, LLY+18, MG14, MHA09, SKS17, TMMVL12]. Providing [CCCT14, MLM16, BBC+17, KV09]. proving [RB12, Sti93]. provision [FWB13a, KSM+07a, KSM+07b, Mat18, WLZ+16, YKL+07, ZZH+16]. provisioned [ABN17, MG10]. provisioner [JNR12].

Provisioning [MMVP13, MBV+15, AAAQ+18, Ano12r, BKKM11, CVKB12, CVT19, CVF12, CBS17, FSM+18a, GAJP18, HC17, HSBE19, IDCJ11, IKLL12, ISS+15, KPA17, KMK+14, Len16, LSYC18, MJDN15, MKT09, PDH18, PN09, RBN13, RP18, dRRRR+18, SBAD+18, SGJ18, SPS+17, SSKK13, SLJ+06, SLB+17, SLZ+18, TKB+15, TSB18, VHHM11, VCKB12, VOS12, XT18].


Pseudorandom [GZ04]. pseudospectra [BKG05]. PSO [SGRT19, ZWL13].

PSO-based [SGRT19]. psychology [AC16].

Public [GMM18, WSQ+16, DDMPG17, JTB13, LMZ+14, LIW+18a, LI3b, LL16, MCT+09, PPPS18, SCSS11, SCEE18, TVB18, TCH19, WWDF18, WHS+18, Wih94, dOOO+13].


Publisher [Ano87b, Ano87c, Ano87l, Ano89f, Ano06]. Publishers [vdR87f]. publishing [FTA+14, PSY+19, PCM99, SLW11, ZWS+12].

Puerto [SR03]. PUL [BCM+95]. purpose [GGLW18].

Q [KBVH14, NUPA19]. QaMeC [WLH+19].


QFD [ABMMC18]. QoS [AB18c, BBS+17a, AJY12, AJY15b, ACCD17, AMT+12, AB17, BBS+17b, BCPS03, CVKB12, CCIP18, CM17, CAC+15, CSL17, CCCT14, CRB+16, DMZ09, FG18, FD12, FMS08a, FA11b, GMMA18, GHMX10, GJGB19, GJF+13, GDWP03, HB00, HMW14, JS12, JGFB18, KC14, KARP14, LD17, LCL14, LWS+12, LWL+12b, MCL+16, MZH+17, MCT+15, MKT09, MM08, Pal06, PSJ+12, PNZ14, QCY+19, QCD16, SC16, SSKK13, VADP12, VSS19, WLZ+16, WLO5, WZ13, WYH+17, WYL+18, WLH+19, XT18, ZWW14].

QoS-aware [KC14, ACCD17, AMT+12, CCIP18, CCCT14, FG18, GMMA18, GJGB19, JGFB18, MCL+16, WLZ+16, WZ13].

QoS-based [FMS08a, FA11b, SSKK13].

QoS-driven [BFS+17a, AJY12, BBS+17b, CVKB12, WLH+19].

QoS-enabled [QCY+19]. QoS-guaranteed [XTT18]. QR [SGS+18].

QRD [ZW13]. QRD-based [ZW13].

QRE [WSZH18]. QR Frence [SGS+18]. QT [DWJM18]. quadratic [EL03, TRFR01]. quadruple [ZW+16].

Quake [BSE+13]. Quake-Catcher [BSE+13]. Quality [AJY15b, HXL+18].
JY15, MCR+16, Sta17b, VOS12, ACSV18, Che13a, DWJM18, GAFFOG12, GGA+17, HJCD05, KSW+13, LWS+12, NZQ07, SMP12, SMC99, TSZP99, WdL16, WPS+18, Zin18, KLM+03, KTM+08.

Quanta [HAE+03]. Quantiﬁed [LG16a].

Quantifying [CN17, AB19a, ABGM19].

Quantiles [BDHK06]. Quantitative [LWW+18, XAW+10]. Quantization [LFWV05].

Quantum [Höp03, QCX18, LPB04, LCW+15, LWW+18]. Quasi-Newton [BGJ+06]. QuarkNet/Grid [BGJ+06]. quasi [Szu98, BMZ01]. Quasi-Newton [BMZ01]. quasi-random [Szu98].

QUATRAIN [DMR93]. queriable [SJTN18]. queries [ATS14, ARP14, CLR16, JLD+19, KYB+19, LZX+18, MLW+18a, SLCL+17, SLH+08, YA014, ZWZ18, ZLXZ18]. Query [MVG18, SLZ+09, ZMP10, JLC18, LKX+14, LRMS19, LK08, LMH+09, MCL+16, MTD18, MW12, PdAF12, SD03, WZW+19, YFY+13].

Query-driven [SLZ+09]. Querying [NS17a, Ans11, CGST09, LZX+16, LLCF11, SB17b, ZSZ14]. questions [WBMP09].

queue [AS18a, RS17a, Tho06, ZAL14].


R [Ano86i, Ano87b, Ano87c, Ano87l, vdB86b, vdB87, vdB87k, WSS+09]. R&D [Ano84i, Nag86a, Smi86]. R-based [WSS+09]. race [KKP00, PM00]. rack [LFP+17]. radar [KS17a]. radial [NK05]. radiation [GZ+18]. radicalisation [LGPC19]. Radio [TKA18b, ASAA18, BMK+14b, CdcRdB19, HJPS03, LBM18, SLJ+06].

Radiological [BDNP92]. radiology [PK99].

Radiosity [Sch98]. RAID [WZM18]. rail [LSZ+18]. railway [CLZ18, GCC18].

RAISE [BHH91, BHH92]. Random [LZX+12, BLY+18, BTM06, CC98, LXD17, LXM+18, MLW+18b, RNR18, Szu98, Tan02b, TSZP99]. randomized [PdASM18].

Range [STA17a, BS09, CLR16, LWX13, OS06, PM14, SJTN18, SLH+08, WZW+19]. Range-based [LWX13]. range-queriable [SJTN18]. Rangelands [TSTL16]. rank [BTG19, HZC10, KRZ12, RS16, TM05]. ranked [LX+14]. Ranking [YG18, DFG+19, DA16, GVB13, LWD+14, LYW+18a, MCT+15, SKS17, SRKS18, WN10]. ransomware [HDA+19, ZXM+19].


RBAC [LZX+18]. RConﬁdence [PK+18]. RCT [SHL+08]. rCUDA [IPG+18]. RDF [DA16, Gra15, SY04, vdhDT+06]. RDMA [ABF+15a, LBM18, WHZ19].

RDMA-enabled [ABF+15a]. re [BP+17, CCG07, HXF18, JCL+15, LYW+18b, LL16, FRC16, WHZL10, Wan18a, ZDW+16, LAL+15].

re-decomposition [WHZL10]. re-encryption [BP+17, HXF18, LL16, Wan18a, ZDW+16, LAL+15]. re-ﬁssion [LYW+18b]. re-optimization [FRC16].

re-outsourcing [JCL+15]. re-structuring [CCG07]. reaction [BMP01, Ban02b]. reaction-diﬀusion [BMP01]. Reactions [Meu05]. reactive [LPB04]. reactivity [DRS04]. read [IDCJ11, TMD15].

Readers [Ano05g, Slo06a, Slo06b]. Reading [vdB87g]. ready [BFK02, MMC+18]. Real [AKG+17, BKB11, CDH+19, DGD+16, EET18, HKA+11, HEES19, KLC05, Kim18,
LRZ+18, MG18, MKT09, NJ17, OKF10, RPA+18, SKF+09, VLK09, VSBN19, XYZ05, AB19b, BRR+04, BMP+16, CPGBc16, CCT13, CRRC18, CFF14, DT93, Do99, FSP02, FAMA+17, GKV+12, GRX19, HNCJ13, HMP04, JOPW14, KA09, LF01, LLWN04, LG16b, MPCA15, MGA+18, MOFGP18, MRN19, OPT+17, Pal09, PKF14, PDT+18, PWP+18, PGTCB18, P699, PN09, SS04, SST+06, Sin92, SK12, Suz89, TSGR17, TCCW19, WQG15, WSH+16, WOPW13, Wu16, YAO14, YNSM12, YCL+19, ZMTT16, ZCK+15, ZSP17, Zin18, dITK92]. real-life [JOPW14].

Real-Time [MG18, AKG+17, BKB11, CDH+19, DGD+16, EET18, HKU+11, HEES19, KLC05, Kim18, LRZ+18, MKT09, NJ17, OKF10, RPA+18, VLK09, VSBN19, XYZ05, AB19b, BRR+04, BMP+16, CRRC18, DT93, Do99, GKV+12, GRX19, HNCJ13, HMP04, LF01, LG16b, MPCA15, MOFGP18, MRN19, OPT+17, Pal09, PKF14, PDT+18, PGTCB18, P699, PN09, SS04, SST+06, Sin92, SK12, TSGR17, TCCW19, WQG15, WSH+16, Wu16, YNSM12, YCL+19, ZMTT16, ZCK+15, ZSP17, Zin18].

realistic [CPGBc16]. Reality [CHK98, Kaa99, Ami90, BLRS98, BYV+09, CCBR98, CN98, DDS+09, DBA98, GGH+19, Kaa98, PSG+06, SUD+98, vVDBB98, RMSPP17].

realization [Kom89b, KM01]. realizations [DL03]. rear [PWP+18]. rear-end [PWP+18].

Reasoning [TVV13, ATT96, DKKF18, FB93, LLCF11, NS19, Ser95, SCN+04, VM93, ZGZ+10].

reassignment [LXZ+18, STM18]. recall [HMMW19]. receive [Gor02]. received [AKM18]. rechargeable [CZM+18, YHL+19].

Recognition [GTEL+18, SLTK19, TCCW19, BG12, Bae14, CPP+18, CZ12, GPJA+14, HUMA18, HLL12, HLT+18, HMMW19, JLQZ18, Kha12, KLH+04, KKP+05, LSSL18, MPH00, OCW14, Pet95, PSS+18, RSY+18, SCZ+19, TJ18, YPCK12, YYX18]. recombination [SBS98]. Recommend [GGLW18].

Recommendation [GCCPGBGS10, RMA+18, ABZK15, AK18a, CQW+19, CZL+18a, CCJ16, CHY+18, FLR+16, GJ18, GGMS18, KZA+18, KKYK04, LCH+11, LCW+18, LZH+18, LW+19a, LXMW15, LQLX10, LLGY18, LW18b, LSV+18, MML+18, MLW+18b, QZD+18, RW18, WMA18, dOWdAS+18, XLL+18a, XZ16, YWL+17, ZZJY16, ZL18]. recommendation-based [CQW+19]. recommendations [SDK19, WBMP99, ZCH+17].

Recommender [EGVT18, YL18, AMPP19, DV13, KKB18, TNY17, TAKV12].

recomputation [HSS00]. reconfigurable [AAB+92, ASW11, FCC12, HZDS19, JL98, LKTC14, NWE04, Pan95a, PHL98, YP12].

reconfiguration [CCL19, EG18, GHY+18, GVURIVBV14, MNV12, MKT09, PA01a].

reconsolidation [SHRE16]. reconstructed [AD18].

reconstruction [Alb04, IEG04, LLU+18, RICW00, WWA19, XSM04, YSZW18, ZS05b]. record [RCD03, BSR18]. record/replay [RCD03]. recordable [LW+16]. recorded [HNP05]. Recording [FM10b]. Records [Rao17, CTT+08a, LZL18b, LHL15].

Recovery [SPJ17, WZML18, BJN16, LPMY18, LZS18, MSI+12, MDP+18b, PY00, PWY03, RRU+18, SA14, TSAER18, YIA17]. rectifying [HYS04]. recurrences [Van92].


Reducing [FC05, de 94]. Reduction
[CN98, DQ97, FK99, Van87b, vdR87]. repositories [ARP14, EGAQ09, HESM99, SCBK+16, SSLF+10]. repository [FAJP09, Ham17]. resolution [AP96, BCF16, CPA14, LZZ+12, LSL18, ML19, PBL+18, Qu04, SHS+19, XLL+18a, XYY+18, YYY+18]. representations [LY90a, NMC05]. Representing [GM11, AHW11]. Reprint [AB18c, GCMC18, KKKM18, LPK18, PBC+17, ZFC18]. reproduce [HMM18]. Reproducibility [Sps+17, CBBC+17]. Reproducible [GBM19]. Reputation [PS10, AHW18, FMRS18, GA13, LMXW15, LH+18, LLJ+11, RWY+18, TY11, TMP15, WN10, WBYS11, ZZH+18, ZCZ+18]. Reputation-based [PS10]. request [LLYW19, YZ12]. requests [HFM19, YAL13]. required [PCB99]. requirement [SMRM13]. requirements [Ber96, DDR96, FC05, GDP+18, HSS17, LLW+12b, Mur95, PB05, QCD16, YHA+19, YS16]. requires [DHS99]. rerouting [RRU+18]. Rescheduling [LZ10, dRRdGR+18]. Research [CCIP18, CXXC18, CZH+18, CDFZ16, CSCI8, CMZ+18, DGR09, DJJ+18, HGMS15, Kaa99, LBJ+18, LGW+17, MYHZ18, PSS+09, Van87b, VCE+19, WZWZ18, WZ18, WZZW18, YKO17, AZH18, BY93, BAD+05, BS84, CLM+16, CLCY18, CLG+10, CMD+14, Fur92, Gal87, GML+13, GSN+18, HPP+18, KZ17, KCH+13, LPC+95, LGS+07, MLC+11, MED16, MFL18, MM18, MCWP16, NSF87, OFMZ18, SDWS13, Sch94, SVN+10a, Sti93, Tie93, VB18, WLHH18, YS16, ZL18, ZL04a, vdR87], Kaa98]. researchers [HSB+18, SDWS13]. reservation [CJJ+18, CFG+05, DVB14]. reservations [ET08, NF07]. reserved [DEG+17, WCLL10, VVB15]. reservoir [PKC+05]. reshaping [DZM12]. residual [RT15]. resilience [DLS14]. Resilient [AAAQJ+18, CM17, DLZ16, DCF19, EBCP18, LBB+19, PGTC18, TDV+08, Wan18a, YAX+18]. Resisting [WSU+10]. resolution [ACSdR17, DCC+14, GMM18, HNQ+18, HJPS03, JRJ+11, JP18, KP8+03, KLH+04, PDW+11, PCB99, RJH+09, RMA+16, SM99, SLDK03, Wel11, YDK11]. resolving [SK18]. Resonance [RDSA18]. resonators [CASW05]. Resource [CKKG99, COC10, DPK+19, DXL+18, EGK+07, EW97, HQ07, K11, LWD+14, PFPJ18, PPL+15, PPA18, SMRM13, Sl096, SAK+10, TCBPR16, TS18, VDPH09, VPT+15, WCB18, WY17, Zhu04, ABG02, AFF+09, AGKZ18, AMHJ10, AC18, AEME+18, AS11, BM03, BCF+10, BAB12, BMK+14b, BCR+12, BR10, CVKB12, CVT19, CL08, CH10, CLC11, CLL18b, CCLS09, CXC+18, CT09, CS12, CC09, Ctu10b, CCD+10, DVD12, DS08, DSC18, ET08, EG18, Erd13, EMJ+13, EA17, Fer13, Fer96, FEPC18, FHNM+99, FSM+18b, GEG14, GDJ+13, GAJP18, GPK05, GBRM18, GBF+12, GJF+12, HZC+08, HB08, HY09, HAP15, HZZ+14, HCJ14, HB00, HDL13, HPLL08, HML07, HML09, IDM+16, IDC11, IKLL12, ISS+15, IAL10, JLC12, JMA19, KS18a, KC14, KHG+18, KA08, KMI11, KADJ14, KAC16, KV12, KK14, KFC+07, KGDL11, KKI0b]. resource [KMK+14, Lea13, Lea15, LBCF13, LTN10, LPK17, LPK18, LL04c, Ll10, LYY18, LLZ+18a, LJY10, LC15, LSL+14, LSL+18, LW18, MTV05, MBS13, MV09, NRR+15, NCS12, NK15, PFP16, PdASM18, Pip10, PGWP09, PPB16, PKI+18, PN09, PRN14, QMSG12, QPTTG+12, RGT18, RC13, RLP12, RT15, RP18, dRRR+18, RGC+10, RSI+14, RMI11, SHB10, SPD+19, SBAD+18, SIL+13, SCMS12, SMS14b, SCCS11, TCL+15, TKR+15, TTB+13, TVB18, TS18, TTP+07, URM19, VAdP12, Vau93, VHML11, Ven09, VVB13b,
Robotic [ADH+16]. robotics [DHC+17, VRGR16]. robots [CFPC17, FGW+19, Poh87]. Robust [PBC+16, PBC+17, PFH17, AIA+18a, AIB+18, BRMN04, CM17, CDS03, HZL18a, HUMA18, IOV+18, LPK17, LPK18, LNK+18, NWMG17, RS17b, Var03, WWW+16, WLS+18, HLV+16]. Robustness [WSZH18, SMS14b, SSW+19].


routines [BFR05]. Routing [Dör05, GL88, TKA18b, AGR19, AT19b, ASAA18, BRBB19, BMK+14b, CST92, CA13, CJ14, CES+19, Che13a, DSBC19, DOV01, DK14, ESPN17, GBKJ18, HLL18, HZW+18, IGB+14, JLQ+17, KLM+03, KSAOK03, KSAOK08, KID+16, LTC12, LHB95, LS01, OVDV98, RQN+19, SAKOK03, SCY+18, SMS14a, SDD+09, VSX19, WSZC18, XIA06, YHL+19, ZF16, ZYW+18, ZAI+18, LC17].

RP3 [CR92]. RPC [KB18]. RPL [AGR19].

RRNS [CBT+19]. RSA [KKL09b, YX+16]. RT [HNCJ13, WSH+16]. RT-MOVICAB-IDS [HNCJ13]. RT-ROS [WSH+16]. RTO [CJG+18]. RTOS [JK17]. Rule [FTP14, HBH09, LJ17a, LJPS05, XYLZ18, CCI18, KMI11, LLC+16, LHW+18, MRH17, PMK18, SCN+14, WQZ19, Yos89, ZCX+18, HCNT14]. Rule-based [HHB09, LJPS05, SCN+14, Yos89].

Rule-driven [FTP14]. rules [AW97, DSCJ18, EBOY14, GHGP19, KA08, MCL+16, SA97, XL19, ZDW+18]. Run [CWD+08, BC15, HIA+18c, TF17]. Run-Time [CWD+08, HIA+18c, TF17]. Runge [CP06]. running [CRE01, DW87, RM11, SHP+16, ZS10].

Runtime [JOPW14, AFB+10, EP12, Hö03, JPB17, LMZ+14, LKJ17, MZC10, MSE19, PcFP+17, TSK03, USK16, UDW+18, VR05, YÅJG+15]. runtime-interference [Hö03]. runtimes [DPP03, KTV03].


[AMH02, AGA16, BKB18a, CMX+16, FS18,
Scale-free [CWL+18, LZZL18a]. scale-out [YGYW16].

scale [YCX05, YGYW16, ZG19, ZWW+13, ZW10, ZYT15, ZXL14, ZA14, dSF+17, dSK+19].

Scatter/Gather [FD12]. scattering [LPB04, LSG18]. scenario [CGCB+12, HND06, HZLH19, KNI+18, SGRT19].
scenario-based [KNI+18]. Scenarios [BNJ16, DFGR14, FAMA+17, FPP+18, GMLGB+17, PZA18, RCM18, WLB11, ZAA+14].
scene [ASY+18, SOR05].
schedule [SK12]. scheduler [AJY15a, ASB18, BCB+07, CFGC03, CTR+17, JLD+19, KCS14, NNRA19, RD14, THN+06, EMH18].
schedules [BB13, CCDS08, EL98].

Scheduling.

[ALP16, AL18, ACK+15, ABN17, BDNP13, CJHH13, Fri14, GVA+16, KV12, KV17, Li18, LAH10, LC13, LSMV13, LRMC94, Pip18b, RJB+13, RSRV88, RB18, RMHMG17, Ser98, SD06, SIL+13, SK12, WHW16, Aba06a, Aba09, ABMESM18, AOS10, ANA16, AHEM17, AMD08, ADAAD12, ALK15, AGKZ18, ABP16, AB17, AB18e, AFGG91, AFT+92, AMS19, AEM10, Bag16, BZMY10, BKS+18, ECC+17, BBN16, BT17, BBI13, CLR17, CVT19, CGT07, CBCA15, CA13, CA15b, CCL07, CCL09, CM17, CK00, CXL+17, CLR18, CWJ+18b, CBK+17, CSL18, CGS18, CCC14, DZ98, DRNC09, DQLW15, DdB10, DR18, DEX+18, DPL14, DCMW17, DSJC18, DS14, DNP14, EV96, EL98, ED04, EMM12, FK12, FD95, FN00, GRH05, GBS10, GI15, GOBL16, GD10, GS15, GPS13, GDS18, GP09, GKT15, GGS13, HV92].

scheduling [HCL07, HHH11, HXL09, HPLL09, HBN+13, HZLH19, HML07, JCSS01, JLI+13, JMO1, JEB18, KA09, KS18a, KCK16, KLP19, KX11, KMK09, KB09a, KK10b, LT07, LHL09, LKG07, LLC11, LLC14a, LYQ06, LB09, LGY+16, LGW18, LZYC13, LG16b, LCMX16, LPV+16, MJM+16, MHC14,
MLSF16, MSE19, MRN19, Nag16, NP06, NRR+15, NPP12, NP03, Nos98, ÖEE13, PNGFJ13, Pa109, PBV+13, PK11, Par04, PKF14, PW09, PT16, PAB+14, QCY+19, QPTGG+12, RRB10, RC13, RNJK09, RMHCMG15, SS13, SZQ8, SC16, SDA19, SKJ01, SDST18, SHJ13, SWG+16, SZK16, Shi04, SOIS12, SGJ18, SV15, SG13, SAK+10, SG14, SCP09, SDD+09, SSP17, T ZhB13, TDFZ18, TLT+06, TLL+11, TJZ+15, TKR+15, TPBS14, TDFF+17, TV16, TCCCI1, VVB11, VVB13a, VPT+15, Ven09, VVB13b, VMN+18, WWX+17, WHZL10, WK C+13, WWC14, WQG15, WCC+16].

**scheduling** [WMQ+16, WCH+18, WL05, WHP09, WS10, WXZL11, WCC14, Wu16, WWT+16, WPJ16, XAI0, XY15, XHY+90, YPLZ17, YKK13, YIA17, YZ12, YSL9, ZCL+14, ZYB+18, ZGL+13, ZXL+18, ZQB+18, ZZS+19, ZZZ17, Zhu18].

**Scheme** [QZC+16, ZS10].

**Schemes** [YDNV16, AO06, BMZ10, CDDR17, CJXX19, CHS11, DGA18, HSP+13, LMKF09, NZL+15, OPO13, PGSM05, RA12, Shi04, SAR18b, VCD+18].

**Schmoller** [MGG+17].

**Scholarly** [BH13, LZH+18].

**School** [HY03].

**schooling** [Sch01].

**schools** [MR03b].

**Schrütta** [BFL09, IS03].

**Schwarz** [SMC18].

**SCI** [STTK03].

**SCI-based** [STTK03].

**Science** [AC10, ABMS05, Bis96, BDP11b, CBN16, CF09, DGST09, HT02, LSAM13, NSF87, NTTN86, Ros94, TS99, ZBB09, AHP+18, ABM+07, ALFR16, BHD09, BLB03, Bun03, CAC+10, CRSDS10, CH04, CTO06, CGJ+10, DJV+15, DX14, FGG03, GRPL04, GDP+18, GRCP+17, Hu89, JHL+06, Jh09, Jh02, Kol89, Lit03, MR03b, MM18, MCWP16, NJKF18, NHLM+16, Rho89, Ros89, SAGL10, SPdSR+17, SBG+09, SLQ7, SG14, SSMG95, Tan02a, TBK+10, TBdL16, Wie03, Wi89, WAD+89, WCKW10, XLL18b, Zhu14, AC10, BH13, KA13].

**Sciences** [AKMK05, SR03, CBBC+17, GCBM17, GRL11, GPS+17, Han03, Hu89, LWC07, TWC+06].

**Scientific** [AL18, AGMT17, CBBC+17, HY03, LPV+16, MBZL09, PN13, PS13, SG17, AW03, AKB+01, Ans11, ABN17, BBD01, Ben03, Ben99, BP10, CSW06, CTR+17, CZ14, CPA14, CdSS15, dCCDF0+15, Dau03, DRtS+97, Din99, DT08, EHT10, FTP14, Fin99, GAB+14, GHWZ94, GP09, GB99, HMM18, HZP+14, HSB+18, HLLC16, JNPY06, JCD+13, KMP+18, KB09b, LKN+13, LGY+16, LCCFI11, LZY13, MJDN15, MdDO+17, MCT+09, MDO+15, MED16, MFL18, NF13, PN99, PSG+06, PLLL17, PAC+17, RL98, RKB18, RB18, SV16, SSC09, SJV12, SCBK+16, TKK+14, TDFF+17, VCKB12, WLF+09, WSS+09, WWT+16, YM13, YYLC10, ZZX+15, ZLZ+15, vDv89b],

**scientists** [BBD+13, PFS+13].

**scope** [Par87, PP10].

**scores** [Bo19].

**scoring** [FJA+18, RS16, KKA18].

**SCORM** [SYT09].

**SCORM-compliant** [SYT09].

**scrambling** [KZA11].

**Scratch** [FFGP+19].
screening [WZH+19]. script [MBB10].
script-based [MBB10]. scripted
[diFVPSHL+14]. scripting [Bea03]. SDEM [Mat89]. SDI [Poh87]. SDLC [AAJ17].
SDM [WLA17b]. SDMS [LLW+12b]. SDN
[ZFC18, BLO+18, KdGP+19, KBB+16, SPT+18, VSKS19, XDH+17, ZWDP18, ZFC17, dSBN19, vdPGZ+16]. SDN-aware [KBB+16]. SDN-based [dSBN19]. SE [BT93]. SE-TC2 [BT93]. SEAI [vdR86b].
Seamless [SLS10, TDG+06, CPDJ13, DFG+00, LLF+18b]. Search
[ANA16, FPL+19, MCT+15, TL19, XRPT18, ABMESM18, Bal91a, BNZ08, BS09, CZZ+18a, CC98, CZL+18b, DLH+17, Dzw97, ESW+17, EA17, FH13, FLL+16, HZL+19, JC80, KMT14, LAM07, MV00, NS17a, NS18, PPZ14, RBM14, RCTM18, RHMGC14, RNLK09, STA17a, SCBK+16, TWY+18, WXLY16, WCL+17a, WW13, XZL+14, YDL18, YXW18, ZZ19, ZL13, ZWZ19, vW19]. Search-based
[MCT+15, XRPT18, RCTM18].
search-optimizing [vW19]. searchable
[DLZ16, DLLZ17, HQZ14, LLL+18, WXLY16]. searches [HQL16, SNA07, SF06].
Searching [CFG93, Sch03, LFH+15, RTS+16, SZC05, WHMO13]. Second
[Ste85, Bou95, WYN+90]. secrecy
[BDNN02]. Secret
[EHM00, LEW19, SAR18b, ZZ15]. Section
[CMA11, ChK11, CC11, CF09, GR09, GMS09, HKPT10, JS12, KTO8, LXL19, SL10, NFK10, SGM11, WSB+15, XZ11, Ahab6b, ABM+07, AR07, AC10, AR10, ABMS05, AM10, BGL08, BN06, BLM06, BB12, Bic05b, BR10, BRHH18, CRSD10, CGD10, DLP06, DKD08, DDM+08, DT08, FA11a, FM10a, FM08, GA06, GMA07, GVTD18, Hab05, HKM+06, HJC10, Igl07, JO11, JL08, Kim07b, hKc09, Lee12, MOK06, OM10, Ole07, PH07, PX07, RW13, Sle14, SDBL06, SBDL09, SPEW09, SD07, TBK+10, TBDL16, VLK09, XLZ18, ZBB09, ZSH12, Zhu07, Zhu10, ZAP05]. sector
[Nag86a, GG10]. SecTrust [AGR19].
SecTrust-RPL [AGR19]. Secure
[AEK+18, ABCD00, BK16, CDDR17, Ciu19, HJH+16, HYS17, HYS18, KKL09b, LLQ14, LNAL9, LHL15, LZZ18b, LZZ+18b, LHBC16, MLW+18a, Mer13, MAA+19, RHH+16, RTS+16, SAR18b, SSF+09, SYW17, SPKG18, WXLY16, XSM15, ZMH+18, ABM18, AGR19, APK+18, BDPF05, CPD+15, CFG+19, CZZ+18, CDL18, DJZ+15, Din03, FLPP05, FS18, GPA00, GAV+18, GZL+18, HAAW18+18, HZL+19, HLV+97, HPP+18, HMA+18a, HLL+11, JFDF09, JSC+15, JCL+15, KZA11, KKKM13, KPA17, KLW+17, LL04b, LTJ12, LJS17, LLIW13, 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, SRZD15, SGCR+16, SB17b, Sio07, SBL18, TX14, TMB+19, TCM+14, TAD+18, VCK18, WWW+16, WXM+17, WWD18, Wan19, WDKV19, WZCH17, YY11, YNY+14, ZZ15, ZWX+19, ZDR07, ZSW+18b, CKK+04].
Secured [LC17, KBB+09, MVL+18a].
securely [ZZC18]. SecureSense [RHPV17].
Securing
[KP12, PWA+19, PPSS06, Pol99, SKS+18]. Security
[AWYJ16, ACL+18, AM10, CCRV13, CHS11, DZZ+15, FJKK17, KKW+14, LKCS18, LCL+19, LSY17, LSHW17, PX07, WZW18, XDLW15, ZZF18, AMN18, AFTF16, AAJ17, AMMC18, BFS+17, BFS+17, BBvdB+11, BWR12, CDF+05, CKK+04, CRK16, CWW+99, CB+19, CBPP18, CSC18, CDFW18, CMV18, CPP16, CLM00, DC18b, DZH18, DMG+08, DT16, DDR+07, FTH16, GMLGB+17, GHD19, GMC03, GTDK15, GJKP18, GSN+18, HCJ14, HCN14, HPP+18,
HIA_{18b}, KS_{18b}, KLH_{04}, KKL_{09a}, 
HCC_{09}, KBdL_{18}, KKKM_{17}, KKKM_{18}, 
KKCL_{18}, L_{07a}, Lan_{00}, LW_{12a}, LNB_{14}, 
LGY_{16}, LGL_{17}, LLW_{18}, MGN_{16}, 
MPPM_{09}, MSM_{18b}, MWL_{18b}, NV_{11}, 
NWGM_{17}, NZQ_{07}, OA_{17}, PSS_{13}, PM_{00}, 
RR_{18}, RLM_{18}, RM_{16}, SAGG_{17}, SYJ_{19a}, 
SM_{03}, SWY_{18}, SSZ_{13}, SGS_{18}, SDK_{19}, 
SSB_{13}, TZZ_{18}, TVV_{13}, TMS_{17}, VPP_{19}, 
WX_{15}, WX_{18}, WS_{10}, YH_{18}, YS_{16}, 
YN_{18}, YZ_{15}, YK_{07}, ZCY_{18}, ZG_{18}.

security [Zin_{18}, ZL_{12}]. security-aware [GHD_{19}, HCJ_{14}, WS_{10}].

security-by-design [VPP_{19}].

security-enhanced [AMN_{18}, KKKM_{17}, KKKM_{18}].

Security-oriented [WZW_{18}].

segmentation [DH_{16}, L_{17}, SBCF_{16}, TCC_{19}, DMM_{19}].

SEIM [TL_{19}]. seismic [AMB_{12}].

Selected [BGL_{08}, DMW_{04}, Iglo_{07}, TCG_{14}, 
CC_{11}, CCRL_{18}].

Selecting [BGL_{08}, DMW_{04}, Iglo_{07}, TCG_{14}, 
CC_{11}, CCRL_{18}].

Security [CLC_{11}, GBKJ_{18}].

Selection [DH_{16}, ABMMC_{18}, AKP_{18}, AFSS_{18}, 
AFSSH_{19}, AT_{18b}, ATT_{96}, AWN_{13}, CC_{07}, 
DPK_{19}, Duau_{94}, DMM_{15}, ET_{08}, FTK_{14}, 
FCY_{18}, FJJ_{18}, FA_{11b}, GHT_{18}, GB_{10}, 
HWZ_{10}, KA_{08}, KH_{07}, KKL_{06}, KGT_{15}, 
KCI_{12}, KP_{18}, LLW_{18}, LD_{17}, LDGL_{19}, 
LW_{12}, LW_{13}, MCJ_{19}, MHZ_{18}, 
MYK_{16}, MVEC_{10}, PNZ_{14}, RCM_{17}, ROK_{19}, 
RGG_{10}, SRSKS_{18}, SMZ_{16}, SLD_{18}, 
TDL_{17}, TMP_{15}, TAKV_{12}, WCHL_{10}, 
WH_{17}, WLA_{18}, WLQ_{0}, XLYL_{18}, 
WX_{17}, WX_{18}, YP_{19}].

Selective [LNY_{18}, HSS_{00}, LMK_{12}, LHCC_{18}].

Self [AFB_{10}, CRM_{16}, DMZ_{12}, DD_{05}, FSM_{88}, 
GZL_{18}, KK_{16}, Lea_{13}, LGH_{16}, LHM_{14}, 
MG_{10}, NA_{16}, PYH_{17}, TBB_{17}, 
WXZ_{18b}, sSGD_{13}, AEME_{18}, BMH_{10}, 
CLNR_{18}, CCT_{13}, CFMC_{19}, DDD_{18}, 
DRNC_{09}, EKGS_{14}, FS_{07}, GL_{04b}, 
GDR_{14}, GNGG_{17}, KKB_{14}, KMN_{05}, 
LH_{13b}, LW_{18}, LW_{18b}, MP_{16}, 
NJHT_{11}, RP_{18}, dRRRR_{18}, dRRdQGGR_{18}, 
SLJ_{18}, TJZ_{15}, TCC_{11}, VRGR_{16}, Vin_{16}, 
XHY_{90}, YP_{12}, PIK_{02}. self-* [Vin_{16}].

self-adaptation [CLN_{18}]. Self-adaptive [LHM_{14}, WX_{18}, AEEME_{18}, CFMC_{19}, 
DDE_{18}, EKGS_{14}, KKB_{14}, LW_{18b}, TJZ_{15}].

Self-adjusting [Lea_{13}].

Self-certified [LH_{13b}].

Self-deployment [LW_{18}].

Self-evolving [NAD_{18}]. self-gravitating [KMN_{05}].

Self-healing [AFB_{10}, GZL_{18}, dSGD_{13}].

Self-managing [CRM_{16}, NJHT_{11}].

Self-managing [TBB_{17}]. self-organizing [GL_{04b}, self-organized [RP_{18}].

Self-organizing [DD_{05}, FSM_{88}, FS_{07}, MP_{16}, dRRR_{18}, 
dRRdQGGR_{18}, SLJ_{18}, VRGR_{16}].

Self-provisioned [MG_{10}].

self-reconfigurable [YP_{12}].

Self-regulating [PYH_{17}]. self-repair [GDR_{14}]. self-scalable [KK_{16}].

self-scheduling [DRNC_{09}, XHY_{90}].

Self-similarity [DMZ_{12}]. self-sizing [GDR_{14}]. self-stabilization [CCT_{13}].

self-structured [BMH_{10}].

Self-Timed [PIK_{02}]. self-tuning [TCC_{11}].

Self-Understanding [LG_{16a}]. selfish [JLQ_{17}, JXC_{19}, PBV_{13}].

Self-aware [PSW_{14}].

Semantic [ARP_{14}, BPC_{14}, DNW_{19}, HB_{08}, HC_{17}, 
HQ_{10}, KARP_{14}, MRS_{18a}, PBC_{11}, 
RVST_{17}, Sun_{10}, WZL_{18}, ZLO_{14}, AD_{18}, 
ABTF_{16}, AGA_{16}, AGA_{18}, ACC_{16}, BDH_{14}, 
BX_{04}, CPSRG_{14}, DLZ_{17}, DT_{16}, DSP_{16}, 
DDMM_{11}, FLR_{16}, FC_{09}, GACM_{17}, HK_{88}, 
Hal_{88}, HS_{18}, JC_{08}, LV_{14}, MPCA_{15}, PTI_{12}, GQT_{18}, SBCF_{16}, 
SHBP_{10}, SCN_{14}, SSZ_{17}, TC_{17}, UZ_{11}, 
VGBLS_{06}, VPT_{10}, WLLF_{16}, XCGD_{10}, 
XLZ_{14}, XWL_{18}, YCY_{18}, ZS_{10}, BDF_{16}, 
CAS_{16}, LWHC_{07}, LvSW_{04}, LKA_{19}, 
WC_{06b}, WQ_{10}, Zh_{07}, Zh_{10}].

Semantic-aware [BPC_{14}].

Semantic-based
[ARP14, KARP14, PBC+11].
**Semantic-supported** [HB08].
**semantically** [AAF18, BCMA07, Li10, PSW+14, RGVGSSZ14].
**semantically-enhanced** [RGVGSSZ14].

**Semantics**

[JD94, SPdSR+17, XB14, Zhu04, ZS16, Ber06, BL92, CPB00, DFLO17, Hal88, HJP92, LLG+16, RTHB17, SOA17, TCCW19].

**semantics-based** [TCCW19]. **Semi**

[ADBO18, AAF18, AC01, BDHK06, DBS14, HLL2, JC09, NB04, WHCZ18, YYW+17].

**semi-automated** [AAF18].

**semi-automatic** [AC01].

**semi-autonomous** [DBS14]. **semi-discrete** [NB04]. **semi-Markov** [BDHK06].

**Semi-online** [ADBO18]. **semi-structured** [JC09].

**semi-supervised** [HLL2, YYW+17]. **semi-tensor** [WHCZ18]. **semiconductor** [SYJ].

**sensed** [Gor02].

**Sensing** [AT18b, SST18, AMW99, AMPZ16, CDD+19, CCC19, DP19, DCC+14, FCD+14, GHEB+18, GZW18, LWH+18, LLYG18, LZY+16, MWW+15, MAD+16, MAPA19, WWCN13, WMX+18, XLZ14, YMW+18, KS11].

**sensitive** [CW13a, DK17, JOSD19, LCL14, QZD+18, QCX18, VSKS19, WYL+18].

**sensitivities** [MHZK18]. **Sensitivity** [PBHK01, LCH+18, PBT02, SWW+13].

**Sensor** [SYJ+19b, 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, KS11, KLW+16, LC17, LBYL08, LLQS14, LCZRI2, LZXG12, LWX13, Lok12, LHBC16, LZY+16, PC17, PPS+18, SJ14, SCY+18, SMS14b, SYCH18, THA+17, TSD18, TYWZ18, TCCW19, WCB+18, WLS+18, XKJ+18, YHL+19, ZWS+12, ZBL+14, ZLHL18, dFPFG19, RVST17]. **sensor-cloudlets** [Lok12]. **sensorized** [TCB+17]. **sensors** [BDE17, BSE+13, CFMC19, GRX19, HUMA18, KMW19, LRBW17, Mat18, SPD+19]. **sensory** [KLMB19]. **sentence** [MZP+19, Nit86]. **Sentiment** [MWQ+19, ZWWL18, GGMS18, MZP+19, ZLZL18].

**sentiment-based** [GGMS18].

**Sensor-aided** [LYL15]. **Serverless** [PMCC18, SWCP03].

**servers** [BR18, CLH10, DZZ+15, JOPW14, JZWL17, KAE+18, LPE08, SMA08, WWC+97, ZWW+13]. **Service** [ANE13, AJY15b, BZS18, Cha14a, CBS17, FMM+17, HSBE19, JY15, KK19, KT17, LJJ7b, LNL19, LYW+16, MJRM16, OF07, OVX+09, PRS12, SCL18, SSTM18, SMG18, SS17, SZK18, TSBH11, VDTK12, YG18, AdI14, AAB+10, AAAQJ+18, AFSH+18, AFSH+19, AWN+13, AK14, AB18b, ADF+05, An12r, AN08, BBC+17, BS17, BJA+05, BML18, BSC06, BCDP12, BPC+01, BK+05].
CMZ+12, CPDJ13, CCT13, CMB17, CCI18, CPE+17, CKF06, Cha14b, CSL17, CGST09, DCS+07, DLW07, DVD12, Din03, DDR+07, DM12, EK11, EA18, EG18, FER+16, FD12, FTP14, FWB13a, FWB13b, FA11b, GMMM18, GHT+18, GVURIVBV14, GJB19, GAI13, GJP18, GPK05, GMEL08, GGA+17, HIA18a, HA16, HA18, HC17, HJS+99, HSH+07, Hua05, HLT+18, IGB+14, JGF18, JSS+12, KZA+18, KSF+13, KTKN11, KKI10a, KKB14, KPA17, KtRAk+18, KSW+13, KKI16]. service [KIC12, KK14, KCCL18, LPMY18, LL03, LvSW+04, Li15, LLW+18a, LD17, LDJL19, LKA+08, LJW08, IWS+12, LLW+12b, LX13, LDS+18, LSL+18, LSMV13, LS08, LIW+18b, LML+09, MLI+15, MCL+16, MZH+17, MCI19, MIL1, MLM16, MHZK18, MAD+16, MHA08, MRS+18a, MV09, NK15, OEE13, Pa106, Pa13, PC18a, PCK04, PRS+13, PRSR14, PBA18, PTM+18, PTT12, QZD+18, RZ16, dRRR+18, RMVG+10, RB18, RHMG14C, SVC+07, SGY+07, SBLW14, SPBT07, SKS17, SRKS18, SDC11, SMBT+18, SPBT07, SMZ+16, SLL+18, SLY+19, SAC11, THN+06, TDLC17, TJWS10, TDL+18, TGM+19b, TBNF09, TAKV12, UGBM+17, VCE+19, VDLK12, VOS12, WWC+07, WLZ+16, WSH+17, WSH99, WZ13, XMS15, XCGD10, XLW+17, XRPT18, XWfZyF19, YKL+07, YCL+19, YW12, YVCB10, YKK13, YCZ18, YLA18, ZZ09, ZGS+13, ZLLH18, Zln18, vdPGZ+16, CLM+16, EMJ+13, GML+06, GvBDL15, IDKD19, KLM+13, KTM+08, LD+13, RAI12, SCH+17]. Service [YPF05].

Service-aware [SMG18]. Service-based [OVK+09, GAI18, HJS+99, LML+09, TBFN09]. Service-Oriented [BZ18, SCL18, AB18b, CPDJ13, CGST09, EDA18, EG18, GVURIVBV14, Hua05, HLT+18, LvSW+04, LX13, MHA08, MRS+18a, NK15, ÖE13, SAC11, TAKV12, GMEL08].

Services [AFP07, ABP18, AM17, BMFC07, CFP+19, DA18, HXA+17, LKA+19, PZY16, YAP16, ABMC18, APBD17, ATFI11, AHP16, ARB12, AEM10, BKS+14, BBW08, BAV16, BZ19, BE16, CSV+12, CCDC07, CPD+15, Che13a, CAC+15, CGL15, CTT07, CLM00, DDMPG17, DX14, EAS+18, EYY19, EBCP18, FHY15, FTD17, FFPS10, FLPP06, GPA00, GVB13, GMc03, GvBDL15, GAYTC18, GAI+18, GGH+03, HZC10, HML07, JRF+07, JC09, KADJ14, KH18a, KK16, KF00, LLM13, LJS17, LKJ+19, LG08, LPY+18, MCT+15, MFP05, MTV05, MGV+14, MS01, MC04, MHA09, MMPM09, MM18, MMYLO18, NV11, NZL+15, ODK+17, OB17, Opp00, PYN+12, PK99, PH99, PnLW+19, Pol98, Pol99, PZY17, PPSS06, PKI+18, FFS+13, PEG05, PBB+05, QCD16, QP08, RZ16, RBN13, RW18, RGVGGSSZ14, RG04, SRZD15, SPMC10, SMPM12, SBK+16, SCN+14, SLJ+06, SZGbC04]. services [SCG+18, TSO8, TGM11, VAR14, VGBLGS+06, VSMRM12, VSP+14, VPT+10, WRC17, WDKV19, WG13, WCC+09, WYH+17, WHYZ18, XB14, YMLT13, YAO14, YCX05, YKO17, ZCW11, ZLW18, ZLW20, ZaTZ+17, dACNC16, AKMK05, ABS11, RVST17].

Setting [CZM+18]. Session [ANO86h, LZYC13, KMC18, dSBN19, OVK+09]. Set [Zna94, CSdCM+05, LGH97, Sin07, WTG+19]. Set-union [HNW18, OB19]. Set-up [RNJK09, Xia06]. Sets [BRH18, ABMMC18, BCW01, CPE+17, DB99, ECPF17b, EA17, HAB+06, LGH97, Sin07, WTG+14, XYZ05, YAO14, ZLD+03, vdR87f]. Setting [WM07]. Settings [FFL+19]. Setup [MD12]. Severity [AXT13]. SFaaS [KCC18]. SFC [LN18]. SFC-based [LN18]. SGrid [LvSW+04]. Sgurev [vdR87c]. SHA [LC17]. SHA-3 [LC17]. Shack [MAPA19]. shadows [DS04a, Sch98]. shape [BBL+05, LKG08]. share [NP06]. Shared
shared-image [FP03]. shared-memory [BK97, CR92, SF06]. shared-nothing [KMB16]. Sharing [DL00, BBM+03, BJM+17, CD16, CTT+08a, CWD04, CCS+10, DZ04, DGS+09, ELvD+96, Erd13, FSM+18b, GGC+17, GG10, GLB+18, HLYW17, HMA+18a, HYF18, KSN11, KLMB19, Lea13, LJLW13, LAL+15, LHL15, LWYS18, LLL+18, LEW19, LL16, MM08, MM18, MMLO18, PIP18a, Rao17, RBC+15, SHBP10, SAGL10, SBG+09, SCY01, SAR18b, SSB13, TKK+14, TNC+14, TCH19, Wan19, WZ18, XCS+18, YLN15, YZW14, YZC+19, ZGL19, ZZ15]. Shedding [SHB+89]. sheet [FZT+18]. shelf [RV95, SMM+14]. shell [KTY03, Tab06]. Shells [TA96]. Sheltering [DR15]. ship [BRL19, Suz89]. SHM [SCL18]. shock [Kni89]. shockable [AFO+18]. shocks [MID16]. shop [ABMES+18, BZMY10, DDV92, ED04, RNJK09]. shop-floor [DDV92]. Short [KLSJ19, ZNC+18]. Short-term [KLSJ19]. Shortest [TT+14, Lue89]. Shortest-linkage-based [TT+14]. Should [Poh87]. Showstopper [PBC+17, PBC+16]. shrinking [UM02]. shuffle [WWQ+18]. shuffled [LCW+18]. shutdown [WWZ+19]. shuttles [BRSO4]. sickness [GGH+19]. Side [YN18, HSS+00, SM+10]. Side-channel [YN18]. side-effects [HSS+00]. Sidera [EDD+10]. sieves [SBCF16]. Sigma [vdR87j, ANN+92]. SIGMCC [CT+08a]. sign [HYC+18, LLWZ18, YLH+19]. sign-on [LLWZ18]. signal [AKM18, BLB+19, CLZ18, GCCL18, Kim18, WPS+18, XKBA18, YSZW18]. signaling [HSB+19, SJTG07]. signals [AHD+19, AI+18a, AI+18b, Fuk85, NUPA+19, RJS+19]. Signature [XZZ+18, Ale97, CYH16, HWW+04, QCX+18, SCZ+14, TX14, TYH14, YN18, ZaTZ+17]. signations [AMM+16, Che13b, WWW+16]. Signycryption [Rao17, LK12, LHL15]. signed [YLH+19]. significance [DFP+00]. signing [HWW+04]. silicon [MPH00, YLJ+17]. SIMBEX [GL+04a]. SIMD [BL+92, CJEK+13, ZHH+81]. similarities [CRYG18]. Similarity [TIHT14, BNFZ08, DMZ+13, GVI13, GA13, KMC18, LXL+17, LLL+18a, LLWW18, NIS+18, RAKJ18, SCBK+16, ZFH+18]. similarity-aware [ZFH+18]. Similarity-based [TIHT14]. Simple [SWCL+95, Sch01, GA13, LHL+15]. Simplified [KVHT+10, SU+98]. simplify [HLSO6]. Simplifying [DDD+18]. simulate [SL+99]. Simulated [VS+D95, AJY+12, Cha11]. Simulating [BL15, DS+04b, DIK+06, JLMR+00, DS99, FPGK18, KZC+04, HSS+16, Mor01]. Simulation [AB+16, BAD+05, CFPC+17, HW95, LSS94, MVR+08, RSV+09, TC06, Wor99, Wri19, AJZ+02, AGJN+00, Ano+6b, BDP11a, BPM+01, Ban02b, Ban05, BJNH+05, BKB+18a, BGL+17, BKK+02, BD+06, BPS+03, BDVF+00, Br+01, CTVT+05, CPGB+13, CBPC+16, CTG+07, CFP+19, CB+15, CTT+08b, CWW+13, CTM+06, DCC+14, Eng14, FJT+01, FDP+17, FW+02, FN+00, FCW+01, GL04a, GBE00, Gra01, GCK98, HDC+94, HCB+16, HDK+16, IPG+18, IOO+04, JH16, JL03, KNI+18, KMB+17, KKV+18, Kni89, KGV+14, KMN+05, LR01, LF01, Len01, LB+09, MGT+18, Mid01, MSL+00, Mun04, NJW+06, NCS04, PO+00, Par06, PP+95, PSS01, RdSH+00, RLR+13, RN01, RV+95, RS99, RGH+01, SGFS+01, Sch85, SNW+01, SBS+98, She00, Sin92, SKT+02, SU+98, SLW+01.
SdSP04, TKA+18a, Tur18, UTT00, VN01, WHBC19, YCAS03, ZMS+06, ZTYC15.

**Simulation** [vOB95]. **Simulation-based** [MVRM08, JH16]. **Simulations** [FBS18, NS10, SrR99, AB04, AKH+04, BSE+13, BRM04, BMP+16, CTF+99, FQBCF15, GDP+18, HRJ+04, JNPY06, KKHS01, NLK94, NEJP94, PF01, PBB+05, RN04, SMK05, SCK+00, SLF+10, TKA+18a, WVCV94, VSV95, WAKZ+03, dSK+19, Kol89]. **Simulator** [BCS99, LJJ04, LLAH13, SM01a, WWSM98, YA02]. **Simultaneous** [BTG19, Bag11, TZBK13]. **Simultaneously** [CLH10, MZP+19]. **Sina** [MNC+18, WRCC17, WNR19]. **Sinclair** [Sin84]. **Single** [KN10, LY18a, SSG19, AFF+09, CJXX19, DL00, GD10, JBP+18, LLWZ18, MGLV04, SF06, SYCH18, dITK92]. **Single-** [SSG19]. **single-class** [SF06]. **single-class** [GD10]. **single-generation** [CJXX19]. **Single-pass** [LY18a]. **single-sensor** [SYCH18]. **Situated** [BMS05, ZBF14]. **skew** [SR19]. **Skyline** [LLM+16]. **SLA** [AB16, BS11, BCPS03, CMZ+12, DMZ09, ENC+12, GEG14, HY09, JTBS15, KKB14, MG14, MG16, MEBA12, NJH+18, SBK+16, SSL12, TMS+17, ZAC+18]. **SLA-based** [AB16, CMZ+12, KKB14]. **SLA-constrained** [HY09]. **SLA-driven** [GEG14]. **Slack** [HLL+17]. **SLAs** [GJF+12, HHS+18]. **slave** [HCL07]. **sleep** [AKM18, BJM+17, CFMC19, KLP19, KCH+13]. **Sliding** [YL16, AQB15]. **small** [LAM07, PM14, TDC+14, Van92]. **small-world** [LAM07, PM14]. **Smart** [APRC16, AFSH+19, AT18b, BA17, BBCN18, CAB+18, CDH+19, DP17, DP19, HYC+18, HSS17, KPA17, LLZ+18a, LNL19, Mar90, MPT+18, PMDS18, PC18b, RMSP17, RPA+18, SAGGB17, SDDG17, Sta17b, TF17, VPA+18, WLA17b, WLA18b, ZYW+18, AM18, ABMM18, ABC+18, AR18, AFSH+18, AT19a, AHdF17, Ale97, AC18, BBC+17, Bae14, BLO+18, BGV97, BWG19, CHS11, CLH+18, CBPP18, CKLC06, CCC19, CZL+18b, DFRW17, DQ97, DDMPG17, DF97, EAED18, FG18, FTK17, FSM+18b, GHD19, GAI+18, Ham19, HC17, HCZW17, HMA+18a, HMA18b, JBC16, KLJS19, KAS+18, KS18d, LRJG19, LNK+18, LKB18, LSV+18, LLW+18b, MCN+18, MLC+18a, MK17, MVL+18a, Mat18, NAGD18, NWMG17, NWL17, OCW14, Osm19, PC17, PPS+18, RGN+18, RGLS18, SP18b, SAG19, TGM+19a, TOD17, TNL+18, TZLP18, TCB+17, UGBM+17, WDJC18, WHBC19, XLYZ18, XLL18b, YJS18, YSHM19, ZXD18]. **Smart** [AR18, AL14, CGSV17, FAMA+17, GXL+12, GMLGB18, HSS17, kKRM17, KADJ14, LSL+15, TAS+18, UPP17]. **Smart-cities** [Sta17b]. **Smart-grid** [AT18b]. **Smart-Cities** [Sta17b]. **Smart-grid** [AT18b]. **smart-spaces** [AT19a]. **smarter** [APBdI17, FRM+18]. **smartification** [BZ19]. **smartphone** [AB19b, HUMA18, VOOCH17, OMD+18]. **smartphones** [WVW17, YYY+14]. **SmartSantander** [DDMG17]. **SMiLE** [STTK03]. **Smith** [vdR87e]. **smooth** [ZY04]. **Smoothing** [DV13]. **SM** [BSG+05, BTM10, CRE01, MTKS00]. **SMS** [CYZK15]. **SMT** [PAB+14]. **SMT-based** [PAB+14]. **SN** [RMDB18]. **SN1000**
[CGSZ95]. snake [RDSA18]. SNIP [FMD99]. snoop [Yam92]. snoop-cached [Yam92]. snooping [DSS98]. Snort [SI18]. SNR [RJN+19]. SOA [BDP11b]. SOAs [KB09b]. SoC [QZM+18]. Social [AC16, AMPP19, BCJT13, DCF19, EGVT18, JBM+18, KZA+18, LSAM13, NJ18, PLLP19, PYM18, RQN+19, SP18a, SRP19, WZW18, ZCY18, ZG18, USA19, AKP+18, AQRH+18, AQAR+18, AT19a, ABG18, ACM+18, CWJ16, CMG+18, CHY+18, DFL017, DGS09, DYC+18, FPL+19, GJ18, GBY16, GTSAR+14, GWC+16, GGC18, GS+18, GMS18, HCC+14, HAM18, HYF18, JLQ+17, JXC+19, JWW14, JLD+19, KAS+18, LRL+14, LCW+18, LZP+18, LW+19b, LLG+16, LLY+18, LLLW17, LJW+19, MML+18, MYHZ18, MNC+18, MVG18, MBL+19, ML+18b, MSM+18b, MCG+15, NB18, NO19, PBL+18, PPS18, PBA18, QGX18, SOD18, SCZ+19, SA19, SB18, SKS+18, TL19, WWV17, WRC17, WJL18, WDD18, WSN18, WMA18, WAL18b, XCS+18, XWJZy19, YMLT13, YZL+18, YXZG18b, YCXW18, YY+17, YL18, YLA18, YLLH+19, ZLL17a, ZZH+18, ZNC+18, ZCL+19, ZCZ14, ZZL18, ZS+18, AMQS+19, GCCPGBGS10, HZW+18, HAT19]. Social [LCR19, LKCS18, MWQ+19, RC18, RC19, SYJA19, SSW+19]. Social-aware [DCF19, JLQ+17]. social-based [JXC+19]. social-IoT [AT19a]. society [APRC16, Ano87c, LLS+14, Mar98b, Mar98a, Mar99b, PFK14, Zhu14, Zhu14]. Socio [ABD+19, KKS18b]. Socio-cyber [ABD+19]. socio-inspired [KKS18b]. SocioScope [NJ18]. Soft [EA17, Hab05, BBB16, DSo4a, GKW+12]. Soft-computing [Hab05]. Software [AO06, BHH91, Cas94, DO15, GRCP+17, JAAD+16, KB18, KKvdB+17, Kow84, Kow85, Mal91, Mat89, NAGD18, Sch94, SK97, SMG18, TDSH16, TD95, TSTD16, WRK+15, AAB+92, AMB03, Ano87b, Bea03, BBL+05, BHH92, BKL01, CMZ+12, CY12, CJK+18, CCP19, CGSZ95, Cur92, De 98, GZL16, GV17, GJS+94, GYK18, GCK98, GXL+18, HA16, HA18, HZC+08, HHvL+97, Hum92, IMSV90, Jon00, KHG+18, Kol18, KK16, Lec12, LBM18, LWS07, LW+19b, LSO06, LLS+14, LRC+18, MB01, PLL+18, PSLZ18, Poh87, QCY+19, RA12, SF19, STTK03, SMS14a, SLZ95, Tak05, TBK06, VSD013, WHS+17, WZWC18, YLJ+17, ZGL19, ZLZ13, ZBCT17, ZSSZ18, ZMN99, dsk+19, BRH18, EMJ+13, IDK19, RGL18, RA12]. Software-as-a-Service [EMJ+13, RA12]. Software-Defined [SMG18, CJK+18, GSYK18, GXL+18, QCY+19, ZGL19, ZBT17]. Software-Intensive [DO15]. soil [LJN04, ST98]. soils [SDT18]. solar [SZC05, TTC+14, GCCPGBGS10]. solid [GNOY01, PLZX19, WKZ+03, MPCAF15]. solid-state [PLZX19]. solution [BS17, CGH04, DMM+18, GYH+18, HCL+17, HXY13, IDK19, KA09, KNI+18, LZX16, MGV+18, PIP18a, RPMG10, SJ13, SS03, TDSH16, YLN15]. solutioning [MNY+19]. solutions [AR17, ACL+18, BCP18, CsdCM+17, CCR18, EGVT18, KS18b, LKA+19, OdI14, PAL+19, PYM18, PDH18, PWA+19, QCD16, ZEO98, ZEO01, dCTVC18]. solvability [Ned06]. solve [De06, ED04, SSG17, ZCZ18]. solver [BG05, ID98, MMV08, PH94, SGFS01, SSC04, vM94, Jon00]. solvers [BJNH05, BRMN04, BGC+03, BEWZ10, NHT06, dSL98]. Solving [HP94, KKS08, SG04, YPF05, vdV89a, BIA+05, CSC+05, CMT16, CRM05, DHD89, EPJ+05, FFP10, NMC05, Pad92, PKC+05, Sch03, SMK05, WH05, ZS05b, ZAP05, tVH96]. Some [Luk89, MDD89, Pa16, DS99, DR03,
KAW12, Man15, Mid01, SR18, Kat04. SOME-Bus [Kat04]. Sons [Ano87c]. Sophia [Zna94]. Sophia-Antipolis [Zna94]. Sort [GK18, MAC17, ZZ1+19]. sorting [CG02, CKF06, Kat04, LQK+16]. SOS [AMPP19]. sound [DH16, RJN+19]. sounds [WLZ+14]. Source [QC18, TK18b, BP01, GBK18, HZW+18, KTTK17, MQN19, NB04, PBT02, PWA+19, PSK+10, VOCH17]. source-code [BP01]. sources [CCJ16, ZMP10]. South [HPP+18]. Sowa [vdR87g]. SP [LZW+18]. SP-Partitioner [LZW+18]. Space [WZL18, AI02, BORM07, BW97, DZ04, DFC+08, DL00, DBD+14, Fuc93, GQLX18, JHC10, JL95, Lut92, LGZY18, MSM+18b, NHG02, NHG03, SW05, SCK+00, SGH+08, SMMG95, TMV+07, VLC03, YPHZ14, ZZ15, ZYXL05, dLLA93]. space-filling [SW05]. space-shared [DFC+08]. space-sharing [DZ04]. spacecraft [AFPG91, AFP+92, CSC+92]. Spaces [DP17, AT19a, BMS05, BR18, LLS+14, SNC18, SAG19]. Spam [EAA16, CYZK15, CWZ+17, SB18]. SPAMINE [AVPV17]. spammer [MK19]. Spanish [SGGCR+16]. spanning [CFL+18, Luk89]. SPARC [AG92]. spark [GLVC18, LZW+18, SJ18, CSG+18, HSV+17, TZZL18]. sparse [BJNH05, BMZ01, FFL+19, HBCR01, IST04, LLSL18, NHT06, SKT+08, SGFS01, SG04, XJY+18, YYJ+18, ZWL+16, dSL98]. sparse-matrix-vector [HBCR01]. Sparsity [YSZW18, HDO16, YZWG18]. Spatial [GRL11, ATS14, Ban05, CGN18, CAL+18, Coo00, FX07, GFD14, MTD18, NWD+18, NZL+15, SSZ+17, YXZG18b, YTD19, ZSZ4, dLFPSH14]. spatial-temporal [CAL+18, NWD+18, YXZG18b]. Spatio [HYC04, SSP17, MLW+18a]. Spatial-temporal [HYC04, SSP17, MLW+18a]. Spec [MHWK18]. Special [Aba06b, ADALZ14, ABM+07, AR07, AC10, AR10, ABMS05, AM10, BGL08, BB13, BN06, BDF+16, BLAV06, BB12, Buc05b, BR10, BRHH18, CMA11, CRSD10, Chk11, CC11, CSYY18, CF09, CGD10, CPSRG14, DLP06, DFRW17, DKD08, DDM+08, DPDS14, DT08, DDB14, DO15, FA11a, FM10a, FM08, GR09, GA06, GMA07, GMS09, GMP+18, Hab05, HYZS16, HKPT10, HJM+06, HJC10, Ig07, JO11, JS12, JY15, JL08, KT08, KZ14, Kim07b, hKcF09, LXL09, Led12, LS10, LNB14, Mes02, MOK06, NFK10, OM10, Ole07, PH07, PX07, RW13, SGM11, Sl14, SDBdL06, SbdL09, SPEW09, SD07, TCG14, TBK+10, TKRA14, TBdL18, VLN09, WS+15, ZX11, XL18, YGS16, YJ14, ZBB09, ZSH12, Zhu07, Zhu10, ZAP05, ADLW12, AR12, CRW+16, GVTdL18, KJ12, PC18b]. Specific [JC15, BFK02, DR05, KZA+18, KANS18, PNH99, SCZ+19, WBFP08]. specifically [RLRC13]. Specification [Pro07, ATJ02, GGW+09, MCF+11, ZZ09]. Specification-correct [Pro07]. specifications [ATAc+16, ABK94, BDFP05]. specimens [FGCM07]. spectrum [CGM+07]. Spectral [BvdH+01, RJN+19, DNW+19, GHEB+18, LJJ18, Mal94, MLZ+18]. spectroscopy [GPH+94]. Spectrum [DSBC19, LSG18, GPH+94, JSS+12]. speculative [LAL+14]. speech [XYX18]. Speed [CZM+18, HGM15, SF19, AB03, DJJ+18, HDB18, H92, HAB+06, HT16, Kas85, LC01, LSH+11, LYS12, MWL18a, MFP05, MAPA19, RPA+18, SRC+03, TYWZ18, VSBN19, DSBC19]. SpEED-IoT [DSBC19]. speedup [PJDO13, AB03, ABMS05]. Sphere [SVx94]. spherical [Tab06]. SpliDER [FSP02]. spill [FCD+14]. spills [MS02]. spin [Coo90]. SPINEware [BvdV99]. spiral [HHS98]. spline [IEG04]. Split [MK19, PNH99, MYK16]. split-layer [MYK16]. splitting [CGH04, C1e04].
SPMD [MMRL17]. sponsored [NSF87].
sport [KMU19]. spot
[CLR18, DR18, JTB13, LXJD18].
spot-checking [LKJ18]. SPP [SSMG95].
SPP-1000 [SSMG95]. spread [WJLW18].
spraying [DYC+18, SSZ+17].

spreadsheets [Asu13]. SQL
[CKFJ06, LZZ+16, LRMS19, SW17]. square
[TM05]. square-root [TM05]. squares
[vdV89a]. SSDs [LQK+16]. SSE [Lin18].
SSL [DC17]. SSL/TLS [DC17]. SSO
[MLM16, YPJ19]. SSOR [BTM10]. St
[vdr87]. Stability [CP06]. stabilization
[CCT13]. Stable
[CHHW91, FTK+14, ZF16]. stack [PDK10].
stacked [LC+18, RSY+18]. Stackelberg
[LN13]. Stag [ZSS+18]. stage [QZD+18].
stages [AAJ17, KN10, UZ11]. staging
[MTN08]. stakes [CND+19]. stalemate
[Che87]. stalking [EA13]. standard
[RNR18, ZMN99]. standardization
[Kob92]. standardized
[BAB13, MEBA12, WBBK16]. standards
[ACWJ19, MLD08, RS94, SDK19]. star
[KSAOK08, LLP12]. star-topology
[LLP12]. StarCAVE [DDS+09].
StarPlane [GMM+09]. STARS [vV85].
start [BKY18, KMT14, TJZ+15]. State
[CSZG+13, CN98, GBY16, SJV+15, WW13, dcTVC18, ANG+19, BDHK06, GHLW18, LCC19, LTB12, SLS+15, MZ+17, PLZ19, Van87b]. State-based [WW13, Mz+17].
State-of-the-art [dcTVC18]. statement
[Leo01]. statements [Leo98]. states
[REM04, TLT04, Wi84]. Static
[ABG17, BB16, HPLL09, GL05, OS06, SD1A9, SMS14b]. station [XTL+19].
stationary [CZT+18]. GHEB+18.
Statistical [LCGPC19, MSA+19, MQ+19, Ald89, BLP+16, HM19, HPS97, KWH218, MCA02, RS16, SCH+17, ZZ90]. statistics
[Pan95a, WSN18, vdR87k]. Status
[CBBC+17, MK88, Abe92, FK99, Fur92, Kaw92, KARP14, Mip89a, Nag86b]. STEER
[LWHC07]. steered [PHM+99]. Steering
[EBU+10, WCKW10, LJP805, LBB+09, MDO+15, MVLW98, MWW+99].
RMCN+10, VMW+97]. steganography
[MSM+17]. Stellar [LM90b]. stem
[BPP+07]. stencil [GMB19, YDT+19]. stent
[ZMM+19]. stented [HORC04]. step
[CP06, KRZ12, Kos95, YX+18, JLLQ+18].
stimgergy [DBT00]. still [BKY18].
stimulating [JFDF09]. stimulation
[NDZ+18a, NDZ+18b, NDZ+19]. Stochastic
[SLL+15, BKB18a, CCLR17, CRK04, Gue01, HWS07, Li15, LWZ18, SMS14b, TLL+11, BP02]. stock [Che14, JHC18, Lin18, YS+99].
Stokes [ID98, vM94]. Storage
[SRN+18, ADM06, AR15, ACY+17, AGA16, ADDV16, BSR18, Bha18, BBB+19, CW16, CHe13b, CBT+19, CDL18, DLR+09, DLZ+14, DLLZ17, DK+13, DLH+17, ED16, ED19, FH13, GTS8+14, GGSZ09, GG10, GLB+18, HSM+13, HDO16, HNK+18, JSC+15, JCL+15, KK+17, LZL+17, LSH+11, LFH+15, MMP13, MYW+19, MPC+18, MAA+19, MM+18, NJW+06, NZQ07, OB04, P WMX17, RP18, RTS+16, RAA+18, SJTN18, SY+17, STC15, SSS13, SMS13, SCH+19, TSWL17, WCF+15, WZH+18, WLA17a, WLA17b, WHW17, WBT+08, WLM17, XFL16, XLL+14, XJW+15, XWM18, YCA03, YWZ14, YN+14, YNZ+15, ZF14, ZWL+16, ZJWZ04, ZW10, CCHW91]. store
[WZH19, YFF+13]. stories [VPA+18].
Storing [LLCF11, LZL+17, SW17].
STORK [TOS18]. storm
[WSQ+18, FRP18]. story [ACM+18, LJ19].
Strategic [vdR87d, BM08, ECPF17a].
Strategies [MGV+18, PRK5, ASD12, CPGD8+13, DFC+08, GJS+94, HCJ14, LPB04, LB09, LSMV13, MM03, RGC+10, VGC+13, doOO+13]. Strategy
[ZZSR18, ABMES18, Car86, CWJ+18b, CS12, DMZ09, FN00, GJGB19, GS16b, HCL07, HWZL08, HPLL09, KKL06, LHV08, 

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LYMZ09, LFL+17, LS01, NQQL13, Qin07, RM97, SSL12, SK05, SYL18, WZZ16, WCM+19, WS10, WW13, XWL+18, XWjZyF19, YLWW18, YLYC10, YMY+17, YK17. Stream [CLNR18, dRADF18, ACC+16, BVFGW15, EMHE18, FPR18, GS95, GRX19, HRVW18, LR+18, LSD11, LM0a0, SSL13, WP¥N+18, WHMO13, YL16, ZSBB19]. streaming [BDNP13, DHW+17, FMR05, kHzZjW18, KWK16, KSK+11, LZW+18, MBC+11, MYK16, RGGH18, SST+06, SKF+09, SKF+11, SLDK03, TCM+16, WD16, Wei11, YMD+13, ZCK+15]. Streamlining [WBKL16]. streams [CFM17, DGD+16, FS¥+19, GAC+17, LCC+18, MPP13, MTD18, P¥vS17, RBLvM14, TRS17, TCBPR16, WSN18, YARH18, ZSP17]. Structural [BNFZ08, BL92, KN06, RGCCL18, SB18, YAM92, ZZ15]. Structuring [BNFZ08, BL92, KN06, RGGC118, SB18, YAM92, ZZ15]. Stuart [Zad87]. student [CMFA+19, FFGP+19]. students [FJA+18, Kim18]. studies [Ano92h, Ano92i, Ano94g, Ano95h, Ano98c, Ano01d, Ano02c, Ano03i, Ano04b, Ano05f]. subjective [LLJ+11, XJY+18]. subjects [Wei11]. subroutines [DT94]. Subscribe [BGP+17, AMPZ16, EBCP18, MWQ+14, OKF10, XWJ+16]. subset [OP95]. subset-equational [OP95]. subsets [QC18]. subsetting [PPZ12]. SubSift [FPS+13]. subspace [CHJ+04, Dat03]. subspaces [HV03]. Substation [ONHT89]. substitutable [SVD07]. subsystem [CPSD18, WTC+02]. sublist [Bo19]. subtraction [DGA18]. Success [vdR93a]. successive [ZWS+12]. sufferers [NDZ+18a, NDZ+18b, NDZ+19]. sufficient [XWL+18]. suggest [MV00]. Suitability [KFP00]. suite [BBBD01, Reu03a, SPMC10, SCK+04]. summarisation [BCR+12]. Summarization [CZ14]. summary [DR89]. SunwayMR [WHY17]. 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, WTC+02, WAD+89]. SuperFine [NS17b]. SuperJANET
[Coo94]. supervenir
[PR95, CGSZ95, AAB+92]. superscalar
[BFR05, Goo01, RMCN+10]. superscheduling [MJRM16]. super tree
[NS17b]. Supervised
[hKBB11, HLL12, WYY+17]. supervisor
[DMR93]. supplier [ABMMC18]. supply
[ABMM18, AB19a, ABGMC19, JLIQ18, LB1+18, PYH17]. supply-demand
[PYH17]. Support
[BCM+95, CLY14, DDO+92, DPJM18, Gra92, ADBM19, BBWB+18, BK07, BRB19, BKB18b, BMP+16, CAS+16, CFMC19, Che13a, CY88, DMR03, DSH+99, EP12, FK11, GGTRRC16, GS95, GHLW18, GKT15, HHL11, Ham17, HAA+16, Hum92, JNS+19, KFPBK14, LH97, LZ10, LPK17, LGW07, LLW+19b, LDY+18, MDB+18b, NH02, NHG03, ONHT89, OVK+09, PM04, Pa06, Pa09, Per86, PWB+13, SB97, SGP+09, SCEE18, VR05, VDK12, WLF+09, YAJ+15, YCX05, ZSDM+18, dIFVPSHL+14, dLLA93, LPP+18]. Supported
[DPDS14, JO11, HB08, KSM+07a, KSM+07b, LNJ04, ZAI+18]. Supporting
[BMS05, EMB98, Fra08, GJF+12, JIC10, Lok12, LXZ+18, LCCH18, ADT03, CES+19, CMP+17, DMPP16, HZL18a, KT08, LG08, Pag99, SZP00, SB11, SA+10, SHLBO8, YD18, ZBF14]. SUPRENUM [SS90]. Surface [Alb04, CFG93, GL95, IEG04, NUPA19, RBS93]. surfaces [DY04, ZY04]. surgery [SGL99]. Surgical [EBK00, WWSM98]. surrounding [SLTK19]. Surveillance
[MPT+18, AMBB18, HST+18, HZZ+18, RH1+16, TWZP18]. Survey
[GGB18, JAAD+16, AMI16, ABP18, ASD12, Ano84a, Ano87m, AMS19, BMK+14a, BdDPP16, BRNR15, BBI13, FSV+19, FS93, FLLR13, GXL+12, HQH16, HAP11, HMZ18, HDB18, Igl04a, IAM+18, KKKM13, KAW12, LY19, MDO+15, MVW199, RLM18, TVB18, WGM15, ZZF18, ZAI+18]. surveying [YZW+18]. surveys [GDG+16]. Suspending [ALM+10]. sustainability
[AK18b, KPB18, LIC18, SA19]. Sustainable
[ZLL+17b]. swapping [ZLL+17b]. Swarm
[XRT18, GHEB+18, JNR12, LAH10, LSV+18, MCA02, OB19, SJL+18, WCL+17b, ZSMS18, HAT19]. SWARM-based [HAT19]. Swedish
[HY03]. sweep [SIL+13, SVN10]. sweeps
[SBA+05]. SWI [CAS+16]. swift
[WCF+15, PLCS11, GMC+11]. SWIG
[Bea03]. switch [STC15, ZGL19]. Switched
[CGD10, CkLC06, CGJ+10, KKO16]. switches
[LKTC14]. switching
[CJJH13, CFVP03, HAP15, MGYC06, MSM+18a, SKF+09]. switching-frequency
[CJJH13]. Sybil
[AQRH+18, AQR+18, JNH18]. Sybil-precaution [AQRH+18]. Symbiosis
[CSP98]. Symbiotic [ANA16, EA17]. Symbolic
[Fah98, GI07, CsZsG+13, FB93, Ref87]. Symbolic/numeric [GI07]. Symmetric
[LL18, AKH+04, DLZ16, FH13, GmdFPLC17, TC06], symmetrical
[RS17b, USK16]. SYMPATIX
[CEJK94]. symplectic [IS03, MR03a, MR04b]. Symposium
[BIS96]. symptom [YZL+18]. symptom-matching [YZL+18]. synchronisation [PDDS10]. synchronization
[ANG+19, AC92, BB06, CZT+15, EV96, GI07, GE90, HXY13, MM18, MML018, Pan95]. synchronization-based [ANG+19]. synchronized [LKK+16]. Synchronous
[DUI89, GL05, dRRdQGR+18, AT01, GGLD10, MD92b, OPT+17]. syndrome
[Bo19, KA88]. synergetic [XF16]. synergistic
[AMB03, KSS11]. synoptic
TCP/IP

TCP/IP [KHJ10], teaching [UZ11].

TCP/IP [KHJ10], techniques [DBS14].

Techniques [Bum03], Technological [dilFVPSHL14, Aig86].

Technologies [BDF+16, DPDF14, DMS97, Sim86, ZPPE17, AZH18, ABP18, BGV97, CPSRG14, DFRW17, Dub01, FM08, FR08, GVB17, GM305, HSB18, HJC10, HSS17, IJCR19, KPS18, KS17b, LLMP13, Mal01, Mal02, Mal05, Mag19, Nag04a, PKC05, RVC16b, RVC16a, Sla14, SJTG07, TMV07, WCK10, HMP15].

Technology [BBD+99, Chi11, ZZLR18, Abe92, AB19b, Ano84a, ACPI19, BLAV06, Car86, Dek86, DvdHDL06, DD07, GMA07, Han19, HCZW17, How91, Kaw92, KM01, KA88, LBJ+18, LKM91, NTC86, NLM+16, Poh87, Ser95, WZH+18, WAD+89, VDBB08, vdrR86b, vdpGZ16, ABM05].

TEEE [DJZ+15], tele [RMM+98].

tele-immersive [RMM+98].

telecollaboration [AKB18b].

telecommunication [WWD95].

telecommunications [Car86, Mun04].

TeleEEG [De98].

telehealth [WQG15].

telemedical [De98, JSS99, Mar98b, Mar98a, Mar99b, Pol99].

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

telemetry [KMC18], teleophthalmology [DRC19],
telemeter [AKG17].

Telescience [LLH03], telescope [BFK02].

telescope-ready [BFK02].

tell [GMM18, VPA18].

temperature [MLGGB17, Tab06, ZXD19].

temperature-dependent [Tab06].

template [LTJK12, LSL12].

templates [AHM18].

Temporal [CPA14, GGMS18, AVPV17, CAL18, FX07, HYC04, KZCW13, LFL17, MLW18a, ML19, MWA18, OWC14, RAKJ18, RMM19, RKB18, SPP17, WXPL17, WMBV17, XZL18, XWL18, XHL19, YXZ18b, YDT19, dB90].

temporary [LZL17].

tenacity [LSG18].

tenancy [BPC14, TCBP16].

tenant [EMJ13, MDD15, PMLVLS13, RB18, SWW18, ZGB17].

tenant-based [EMJ13].

Tensor [CSV12, DJPM18, EBOY14, SAG19, WHCZ18].

tensor-based [EBOY14].

Terabit [HRJ06].

Teraflows [GGH05].

TeraGrid [DIK06].

terahertz [VHML10].

Terascale [WSB15, ZLD03].

Terascope [ZLD03].

TeraStream [MWC03].

Teronis [SLDK03].

term [DLS12, ECPF17b, HKG16, KLJ19, MLL15, PBL18].

terminals [Kam85].

terms [KMK14, NB04].

terrain [OPO13, PFMC04].

test [BP94, SAPA17, CSZG13, Cho04, GODM98, GMM18, KKL09a, SGA19, VMM05].
Mal94, RRS99, RS94, WZCH17. **test-bed** [RRS99]. **testbed** [KSW+13, MLC+11, MMFM+05, SAMN02, ZWDP18, ABB+05]. **Testing** [GAYTC18, MFT+17, SZ12]. **tests** [CDF+05, PR95]. **test** [ASY+18, BD18, FMV14, Kho05, KP18, NS19, SL+09, WLLF16, XZ16, ZWLL18, ZZZL18]. **textile** [WPS+18]. **texts** [ZNC+18]. **textual** [CFM17]. **texture** [ZZN04]. **theaters** [KO11]. **their** [Ano86i, Car03, CM95, DRS04, Ig07, JBP+18, PR95, PIKM02, PS+13, SS13, VPA+18, XYLZ18]. **Thematic** [Kaa99]. **theory** [Sti93, UM02, WC06a]. **theorem-proving** [Sti93]. **theoretic** [DPL14, FJL+16, GBKJ18, Hua10, JLBQ+17, JLCC12, KK14, Li09, TLSC17, WWR16]. **Theoretical** [CSL18, BORM07, BR04, GDRS04, LY19, ZZ15]. **theories** [WBG94]. **Theory** [AS11, CDFZ16, FEPC18, YLWW18, AS18b, AY16, CPE+17, DL03, Fer13, Ger02, IS18, JK92, LKCS18, MH01, MKK03, NSHP88, PBT02, PMFC13, SH90, SBK18, WQZ19, XJ19, YMY+17, ZGZ+10, ZS10]. **Theory-based** [FEPC18, LKCS18, YMY+17]. **therapy** [GZ+18, NDZ+15, NDZ+16, NDZ+19, ZMZ+19]. **there** [DA18]. **Thermal** [SSG19, Tab06, TZQ18, DSB04, SSP17, ZTD+18]. **Thermal-aware** [SSG19, SSP17, ZTD+18]. **thermo** [Ned06]. **thermo-visco-plastic** [Ned06]. **thin** [DS+11, KuRAk+18]. **Things** [AT18a, GBMP13, KK19, LSD+17, BRB19, CPM+17, KC19, LLMP13, NWT19, ABMM18, AKP+18, ACWJ19, AR18, AGR19, AMQ+19, AT19b, AVP17, ASAA18, AMPZ16, BA17, BZ19, BRH18, BGS+19, BdDPP16, BWG19, CCLR18, CBT+19, CBP18, CDFW18, CMZ+18, CDH+19, DKP+19, DZH18, DP19, DC18a, ESW+17, EAS+18, FG18, FJJ+18, FTK17, FRM+18, FMR18, FPL+19, GTEL+18, GQXL18, GMLGB+17, GBB18, GHYK18, GCK18, GZW18, HDKC18, HKA+18, Ham19, HZL18a, HAT19, HKK+16, HPP+18, HIA+18b, HNQ+18, HXL+18, HSS17, IJCR19, JKAU19, JYY+17, KWK+18, KOT18, Kim18, KJLH19, LHO17, LHC18, LDS+18, LRBW17, MWQ+19, MK17, MVL+18a, MGL+18, MLGGB+17, MMC+18, MGN+16, MPLM18, NJH+18, NWT19, OFD17, PO18a, PTD+18, PLGMCdF18, PPM+18, PC18b, QZM+18, RGN+18, RMM+17, RACA18, RHPV17, RC19, RMDB18, SAGGB17, SYJ+19a, SHS+19, STH18, SWY+18, SYJA19]. **Things** [SDDG17, SSW+19, SCZ+14, SCG+18, TLS17, URKM19, WWX+17, WZZ+19, WZ18, WLZ+19, YLYV15, YWZ+18, YCT15, YHA+19, YN18, YAP16, ZPPE17, ZYA+18, dFBP+17, HZW+18, LKCS18, RC18, ZAI+18]. **Things-based** [HIA+18b, KOT18, SYJ+19a]. **thinking** [NLM+16]. **third** [CLM00, DDS+19, ED19, Pol98, SG11, Sn84, Bs96, CF09]. **third-generation** [DDS+19]. **thoracolumbar** [RBGA18]. **though** [KMC18]. **thoughts** [KAW12, Mdh01]. **Thread** [FD95, CMS+18, GS15, PAB+14]. **threaded** [MAC14, MCA+18, PWWD18]. **threads** [LAL+14]. **Threat** [CSY+18, AJ+19, AL+18, GHP+18, HDKC18, HDA+19, KAV12, WZH+18]. **threatening** [AFO+18]. **threats** [AHS+18, GGDM+18, RR18, RLM18, XWRZ19]. **Three** [ABMMC18, EHT10, WZWC18, Ws99, FHG95b, LSD+17, LNK+18, LWT18, Pa01, PP+09, XSM04, ZFY18, ZZZ17]. **Three-dimensional** [Wsg99, FHG95b, Pa01, XSM04, ZZZ17]. **three-factor** [LNK+18]. **three-layer** [ZYF18]. **Three-level** [WZWC18]. **three-tier** [LSD+17]. **Three-way** [ABMMC18]. **threshold** [CYH04, HMW14, TYH04, ZJJ+14]. **threshold-based** [HMW14]. **Throughput** [TSD18, CGT07, CGL08, HAF+16].
PMMAM13, SCY+18, TCN+16, YKK13, ZSX+15, ZBCT17. Thwarting [VS13]. Tibet [NMZC06].

Tibidabo [RRP+14]. ticket [XZZ+18]. tier [GDR+14, HLG+14, IDCI11, KIS11, LSD+17, LPS+13, SA07, SRN+18, TLYT05].


tiling [YDT19, vWMB14]. Tim [Her87]. Time [CWD+08, DFG+19, JCMPPC+18, MG18, NRV+17, RMD+16, Dog09, Dua94, EET18, GIKI05, GVURIVBV14, GR96, GKW+12, GMDPFCL17, GRX19, GGLW18, HUK+11, HESS19, HNCJ13, HIA+18c, HMP04, HHS+18, JL03, KA09, KSAO03, KCK16, KLC05, Kim18, KKP00, LF01, LFWW05, Li15, LRZ+18, Li18, LG16b, LPL+16, LWW+16, LD04, MZH+17, MPCAF15, MTK09, MGA+18, MFT+17, MOFGP18, MRN19, MCG+15, NF13, NJ17, NA19, OKF10, OPT+17, Pal09, PKF14, PTD+18, PGTBC18, P699, PN09, RPA+18, SHP+16, SS04, SDO2, SST+06, SKF+09, SSL12, Sin92, SK12, SW02, Sus89, TZST14, TJJ+15, TF17, TSG17, TQL+19, TCCW19, VLK09, Van93, VSBN19, WLZ+14].
time [WQG15, WT+17, WSH+16, Wu16, XYZ05, XLL18b, YNS02, YCL+19, ZMTT16, ZS08, ZCK+15, ZFC17, ZFC18, ZSP17, Zin18, WP16]. Time- [RMA+18].

time-aware [JCMPPC+18]. time-constrained [SSL12].
time-constraints [LPL+16].
time-dependent [Dua94]. time-efficient [XLL18b]. time-invariant [GMDPFCL17]. time-out [KSAO03].
time-recordable [LWW+16]. time-scale [LJ03]. time-series [LFWW05, MFT+17]. time-shared [CCLS09].
time-varying [BH03, Li15].
time/cost [KCK16].
time/cost-constrained [KCK16]. Timed [BP13, Pap05, PIKM02]. timely [QC18].
times [BB13, CLR17, JLL17, RNJK09, SPSP17].

Timetable [WSZC18]. Timetable-aware [WSZC18]. TimeTrustSVD [TQL+19].
timing [CCCP19]. TIN [TG04]. TIRIAC [NJ16]. Titan [LM90b].

Titan-2 [LM90b]. TLS [DC17]. TMWSNs [MLW+18a]. TOA [HXY13]. today [MK16a, MK16b].

TODS [ZJWZ04]. Toile [BBG+05]. token [Ciu10a, Ciu10b]. tokens [CJ18, GXD+09]. TOLA [SZD+17].

Tolerance [PCBD99, AMR18, CdC07, DSS07, GdVC10, LXJD18, LST07, MC04, NK16, Sar02, SG05].

Tolerant [ACC+19, AMH02, AFP07, AB19b, BH03, KL02, LCBF13, LHC95, LAM07, LS01, LWW+16, LS08, PWY03, PIP18a, RWY+18, SPR+10, THKG98, Xia06]. tomography [FGCM07].

Tomogravity [LGZ18].
tomorrow [MK16a, MK16b, vdR86]. Tony [Her87]. Tool [LSSR02, AB19a, ABGMC19, BGMLS17, DMR93, FS07, FTH16, Ham17, KZL06, LWH07, MCG+15, NS17b, OS92, Reu03a, S04, SST18, WBS+09, WBF08, WYN+09].
toolkit [CN92, HAE+03, HBJ+03, ILJC03, LWHS07, SAM02, ZYB+18].
toolkits [YPF05].

Tools [CBS17, KV03, TBK+10, TA96, WRK+15, ACU95, BR92, BSG+05, BRNR15, CAC+10, GLM+12, GKR93, KKvdB10, LWW+16, MCG+15].

tolerance [LJ07]. toppled [LC14].

top-level [KWK16, PDK10, YDK11, KID+16].

topology [FGCM07].

Topics [AS03, BCC14].
[FM17, PZY16, HO17, PPB16, PZY17]. Topological [AAC04, SNXB17].
Topological-order [AAC04]. topologies [VS90]. topology [AAD+13, LIPJC12, LKTC14, PRC+14, SHRE16, XWJ+16, EMHE18].
topology-aware [PRC+14, SHRE16]. Tor [WLYL11]. tort [Kag89]. torus [KDO0, LOK09]. TOSCA [WBKL16].
Toshiba [Ama86]. totalistic [JM02]. touch [Alp18, GMCM16, GMCM18, PDW+11].
touchstroke [Alp18]. Towns [GMLGB+17]. trace [KN06, PD11, SK06]. traceability [Che18, WHS+18, XLL+19]. Traceable [LDZW19, QRW+18].
Traceable-then-revocable [LDZW19]. Traceback [JL14]. traces [DMMM11].
tracing [BK06, ZSBB19]. tracker [MK18]. tracking [FAMA+17, JHC18, LWX13, SLK17, WJS+18, WWTF18, YYD+14, ZBL+14].
tracking-based [JHC18]. Trade [DGCGH+17, KNK+08, DMM14, GBS10, KCM19, PMBS14]. Trade-off [DGCGH+17, GBS10, KCM19, PMBS14].
Trade-offs [KNK+08, DMM14]. traded [VPT+10]. tradeoffs [KAEC+18]. trading [Che14, GFW+18, HQ07, MVG+14, RT16].
traditional [GK18, KC98, QMSG12]. Traffic [AT18a, BLO+18, DK17, EMHE18, Midi01, RN01, RHG+01, SNW01, VN01, ADOKM06, AS02, AC18, BMK+14b, CG09, Che13a, CAL+18, FTK+14, FAMA+17, HZL18b, JBM+18, JHC16, KXS+16, KLJS19, KBdLG18, LSL+15, LWT18, LLZ+18b, LGZY18, LOK09, MG19, MRS18b, PGTB1C18, RGSL18, SLY+19, Tur18, VVC+03, WLZ+16, WHBC19, YCL+19, YSL19, ZCS+16, ZYK17, ZJW+14, ZWMC19]. traffic-aware [BMK+14b, SLY+19]. traffic-indexed [LSL+15]. Traffic-sensitive [DK17]. Train [MK19, MWL18a]. training [BLB03, EKB00, Gra01, Han03, IMKB89, RS98, dLB10]. trajectories [CZXL18, NWD+18]. Trajectory [WMBV17, DHW+17, FAJP99, KXS+16, SOR05, WSN18]. Transaction [Joh92, KJI11, KVV+E18, LGW+17].
Transnational [WZ13, GAYTC18, LAL+14]. transactions [DR15, LAL+14]. transatlantic [ABdL+03, ABdLL05, MMFM+05, RRS99].
transbronchial [BDS+10]. transceivers [ABS+18]. transcoding [GFR+06].
transcript [STP+05]. transcription [MM16]. transcripts [TBD+02]. Transfer [NMZC06, BBD+99, HKU+11, KJJ10, KKL09b, KMCH03, KB16, LCL+19, LRYJ17, LDS11, LKF1B18, MFL18, OS06, RSK16, RACA18, RLL+17, TZ19].
transferability [CLM+14]. Transferring [KLW+18]. transfers [LBM18, DPBK16, MWPB12]. transform [BWR12, BW13, GHEB+18, NUPA19].
Transformation [BCL88, GHGP19, HZ14, LSL+16, MK95, RM97, SR19]. transformations [CJXX19, DV03, DGA18, LT15, SSFFR19, UM02]. transformed [SC19]. transformed-domain-based [SC19].
Translation [Ama86, ABF+15a, Mur86, Nag86b, NTN86, Niti86, Sim86, Uch86]. Transmission [KESL17, YZZC19, BWR12, HMA+18a, HJP03, KY85, PZA18, PWMX17, SKF+09, VS04, YWL+17].
transmissions [HSP+13]. transmit [HJK+04]. transonic [GK59]. Transparent [MS+12, CWD+08, DW11, GTMZ17, KKJJ10, MGLPP11, ZWW+13, vKvW+13]. transplanting [XKJ18].
Transport [HDC+94, AS02, CM99, JHL+06, MKH06].
Transportation
[1] GCD+18, LNL19, NWL17, RN04.

transporting [CHJS+10]. transputing [CFG93, Dui89, LSF+94, MS93, m95].

transputer-based [m95].

trapezoidation [LD04]. Trapper [SSKF95].

travel [Van87b, vdR87]. Traveling [SMF01, VAS95].

travelers [WWD+18].

treatment [Bo19, GP11, M189]. Tree [LM07, BWR12, C14, GOBL16, HLL18, HHXL13, KMI11, LRs19, Llz07, SBL08, TWW+18, WWQ+18, ZQZ09, HCNT14, KK11, CZXL18].

Tree-based [LM07]. Tree-Rule [HCNT14].

tree-verified [HHXL13]. Treecode [Pri95].

Trees
[RSRV88, AW97, CLR16, CY12, CFL+18, EBCP18, Luk89, PMK18, SLO+05b, WLB00].

trend [AAN+18]. trend [PLA18].

trending [HO17, HAM18]. Trends [Her91, Sas85, W901, AVP17, Am03, Ano87m, B91b, CLCMG+18, CRM05, GM09, GMP+18, HPP+18, KLH+18, Nag86b, TK+15, VB18, W84].


trial [BRL19, KMC03].

triangles [BRR+04].

triangular [vdS04].

triangulation [XSM04]. Trident [SB11].

tridimensional [BG05, HM98].

triggered [KID+16]. trip [LSV+18, MG11].

triple [ZZJ17]. triple-way [ZZJ17].

tripllet [Tul04]. TRIPOD [Pip10].

Triva [SNH10].

Trojan [CLK11].

trolleys [MOPG+18].

tropical [VBLS09]. trouble [XXZ+18].

troubleshooting [Tak89a].

tucks [PWP+18].

TrueID [HCL+17]. truly [HNS05].

TruSM [CYZK15].

Trust [AW16, ABTA18, ECPF17, SS17, WCVL12, YDVN16, AGR19, ACL+18, AHJF97, AM10, CYZK15, DSS07, FMR18, GVdDBL15, JWW14, KZA+18, LIW+19a, MML+18, MG16, MPR+16, NV11, NJ16, SYJA19, SCL14, SRK18, TDL17, TAHS14, TY11, TQL+19, WW11, ZYK17, ZZF18, ZSS+18, TY11].

trust-aware [AGR19, MPR+16].

trust-based [MML+18].

trust-driven [NJ16].

true [HCNT14].

Bruno [BC18, P90, SK97, XZ11, CW16, C100, DCL00, ED19, HLMN11, JWW14, KRAK18, KF00, NV11, WW11, ZZL+10, ZZQ+13].

Trustworthy
[DLMS15, YL15, CY15, ZWGC19].

truth [ZZ+19].

trueful [DWJ18].

Tsallis [RDA18].

TTN [BBB+09].

TTPs [Po99],
tuber [HvHAS04].
tubulin [Tul04].

tumor [ASFP18, YJP19].

tumour [KMB+17, SUD+98].

tunable [NUPA19].

tunable-Q [NUPA19].

Tuner
[vVW19, vVW19].

Tuning [JLR18, CQW+19, EBCP18, FMS08b, LCL+18, RSJ+14, Tao10, TCC11, WVC05, WH16].

tuple [BR18].

Turbo [XRP18].

turbulence [NEJP94].

turbulent [GL95, Kni89, VWCV94].

Turing [DDL01].

Turing-like [DDL01].

turnaround [CRTN17].

TV [LCH+11].

tweets [DFG+19].

Twister4Azure [GZQW13].

Twitter
[BOHCC17, CWZ+17, LCGPC19, SCZ+19].

Two
[AB95, DST14, ED19, GJS+94, GDS18, JLI+13, K89, R90b, TBB+13, Y18, YDVN16, AWN+13, BP02, CHS11, CCD+10, CHY+18, DS04b, EMHE18, GS13, HM98, LM90b, MTD18, PHK01, PM14, QZD+18, QPTG+12, SA07, Ser98, SLJ+17, TJ18, UM02, WXX+17, WLS+18, YPK12, YCH19, ZGV19, BSV92, M96].

two-agent [WWX+17].

two-dimensional [GDS18, BP02, DS04b, PM14, SLJ+17, YPK12].

two-factor [ED19, WLS+18].

two-layer [PHK01, TJ18].

two-level
[JLI+13, RS09b, CCD+10, CHY+18, EMHE18, MTD18, QPTG+12].

two-phase [Mur98].

two-processor [Ser98].

two-stage [QZD+18].

Two-tier
Two-way [YG18, HM98, YCH19].

twofold [LDJL19]. TXOP [HMW14]. type [BV04, Cie04, GGH+19, IS18, L90]. type-2 [IS18]. type-theoretic [Li90]. typed [BM00]. types [SW17, YH18]. Typing [Goo02].


UCLP [JHL+06]. UCLP-enabled [JHL+06]. UDP [CHJS+10, LBMM18]. UDT [GGH+05]. UHF [ABS+18]. UK [HT02]. ultra [LRJ+06, PDW+11, VBL09]. ultra-fast [VBL09]. ultra-high-definition [LRJ+06]. ultra-high-resolution [PDW+11], ultrasound [DNW+19].

uncanny [CPMG19]. Uncertain [BN17, CAL+18, CLM14b, LY17]. uncertainty [Ano86i, CVT19, CAPG18, DM12, FZT+18, FB93, Koll18, LPBB+18, SPM86, TM05, ZMS+06]. uncompressed [BD18, HUK+11, SKF+09]. uncorrelated [MSM+18b]. Under-fitting [MK19].

undergraduates [BLB03]. understand [Eng14]. Understanding [CRE01, LG16a, SEMJ11, Ano85g, DM12, LMZ+14, NJ18, SHTG07]. underutilized [KHG13]. underwater [CJG+18, LSZ+16, LLU+18]. underwriting [Kom89a]. undo [LHCC18]. unexpected [SCB04].


uniform [AS99, BMS05, CJ14, KLC05, LOK09, MZD+16, Van92, ZCLW18]. Unifying [XFTZ16, VP94]. Unikernel [WMJW18]. union [HXWW18, OB19]. unit [MCB18, PAB+14]. United [Wii84].

Universal [RACA18, ADKS06, Bur02]. Universität [Bun03]. University [Ano86i, Ano87b, Ano87c, Ano87l, BLB03, CN98, HICAFM+06, SR03]. UNIX [AGP+92, Ber98]. Unobtrusive [AKM18]. unpredictability [YZW+18]. unpredictability-based [YZW+18]. unpredictable [ACBM15]. unresactable [ZMZ+19]. Unsharp [BMU18]. Unsteady [HvHAS04]. Unstructured [LF95a, AR15, WW13, vdS04].

unsupervised [FGM11]. unsymmetric [SG04]. untraceability [YHL16]. unwanted [ZYK17]. UOV [YN18]. up-to-date [Din99]. UPC [EGCY+06]. Update [GSD95, FS18, LTY+18, PWX17, ZCL+18, WJ04].

Update-Based [GSD05]. updates [Koll18, LPY+18]. Updating [QCYJ17, LYL+19, WCM+19, ZDW+18].

Upgrading [WWC+97]. Updating [CSQL17], upon [PLLA18]. upstream [WL010]. Urban [KXS+16, BA17, GACM17, LSV+18, SSFR19, SAG19, Tur18]. Urgent [BBK18b, BBWB+18, KN1+18, KKS+18a, LPK17, LPK18]. USA [vdR86b]. usability [APRC16, GM+19, MMS+18]. Usage [CDL+16, EH10, FD02, JOPW14, MM10, MWMA10, PGPW09, RGAT18]. USB [CLK11]. USB-based [CLK11]. Use [CTMO06, MCR+16, Niw89, Pip10, AR18, BSE+13, BK01, CGCB+12, HHSW92, JSDK+06, JNPY06, Jun00, KMAZ16, LNJ04, MJ00, Ser98, VHML11, VFFB14, VM93, WWA19, vdpGZ+16]. used [KMU19].

USEE [MZD+16], useful [CN08]. User [AKB18b, Gra92, LJW+19, PNZ14, SKZ18, WZM+18, YHH+19, dNE05, vKvWD+13, ABZ15, ACL+18, AMQS+19, APK+18, AMB03, BvdV99, BFL99, BDWM17,
CFGM16, CHS11, DDDR96, DLLZ17, DGGH11, DMM+18, DYC+18, DgdL15, EKGS14, FK11, FTK17, FTD17, GGH+19, HCL+17, JRJ+11, KZA+18, Kam85, KJI11, KID+16, KV09, KMI90, KBB+09, KGLV18, KLW+16, LZP+18, LJY10, LH13b, LHI03, LIW+12b, LLGY18, LASL16, LXZ+18, MSK03, MBL+19, MLBS11, OAMS18, PLA18, PARMF14, PQBP17, PIP18a, PDV+11, QGT+18, RSSD02, RAA+18, RRH16, SBCF16, SSA+19, SRP19, SCN+14, Tak89b, WTTG+14, WMQ+16, WSN18, WDKV19, WMA18, YAO14, YHI16, ZDL+13, ZLZ13, ZZL18, 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 [DGdL15, PIP18a, QGT].
user-oriented [ZDL+13]. user-oriented [BvdV99]. USERNET [KGLA85]. users [GCD+18, IG12, JBR+16, KTO8, Lok12, O592, SCZ+19, SCH+17, YD18]. uses [An06]. Using
[AC92, AHdJF07, BB06, BCG05, CGM+07, CPP+18, Che13b, CdSFS15, CCHW03, CS97, Dal03, DvDHdL06, DBS14, Eng14, FDGR14, FR08, FMR18, GTEL+18, GMdFPL17, GJPK18, HPGMM18, HG15, HLS006, ILLC03, KdGL11, KKL11, KKA18, LTN10, LDS06, LFH+15, MRV92, OAMS18, PCC18, PGPW09, PBB+05, RMSPP17, RWW+13, Reu03b, RMCMD12, RV95, RS98, SK97, SA19, STC15, SSC04, SBLT05, VFHB14, ZBF14, tTvH96, vDDBB98, vDHD+06, AD18, AAN+18, AFO+18, Ad114, ABD+19, AAC04, ATFI11, AQR+18, AEK+18, AHM+18, APK+18, ABB+03, ACE02, AIB+18, AKM18, AKW90b, AKW90a, ABL04, AEM10, AY16, BTG19, BA17, BDE17, BG12, BLL+19, Bal91a, BDP11a, BGI14, BYL+18, BvdhN+01, BRR+04, BBC+12, BKSS02, BRMN04, BG05, BKM+14b, BÄc05a, BMP+16, BK06, CMX+16, CWD04, CSJN05, CWJD19, CsâCM+17, CHJS+10, CHSA18, CY12, CPK05]. using
[CH10, CFL+15, CLY14, CHS11, CWJ16, Che18, COC10, CXC+18, CJK+18, CGSZ95, CRC+19, CFG93, CSQ17, DNIJ17, DP19, DC18a, DMM14, DNP14, ECPF17b, FC05, FLT17, FZT+18, FAM+17, FPPS10, FCD+14, GQLX18, GHP19, GJGB19, GHP+18, GHEB+18, GY16, GIA04, GVA+16, GCV+14, GDX+09, GD93b, GGQ+03, GSS09, GM11, GRS+19, GM19, GZ Questions, Ham19, HWS07, Han03, HSV+17, HUAMA18, HCNT14, HDBH09, HSB+18, HAMA18b, HNQ+18, HQ07, HWZL08, HXY+13, HZL19, HAB+06, HKP10, IDM+16, ID100, JFDF09, JGFB18, JP18, JH16, JHC18, JL14, JNR12, JOS19, KZL06, KHG13, KMB+17, KLM+03, KMI11, KKYK04, KKP+05, KKL09b, KADJ14, KHO+19, KBdLG18, KVHT10, KCH+13, KLW18, KS18d, KS18c, KLW+16, LC17, LCP04, LL04b, LQK+16, LY17, LY18a, LY10, LZW13, LXL+17, LJ18, LLW17, LD17, LH13b]. using
[LOJ+07, LLCF11, Lin18, LLWN04, LYT+05, LAH10, LSD11, LLGY18, LLZ+18b, LY1W+16, LU+18, LKTC14, Luk89, LJW+19, LTZ15, MLL15, MWL18a, MSS+13, MJM+16, MK17, MCSS00, MB18, MVG18, MJ98, MDB+18a, Mat18, MSB16, MRH17, MO4, MK11, MDD15, MGA+18, MGLPPJ13, MIM+18, MRN9, NKC09, NS184, NK18, NNC+19, NCS04, NUPA19, OMD+18, PSLZ18, PCC18a, PA01a, Pap05, PPPS18, Pon19, Pri95, PW14, PDDS10, QG1X18, QGT+18, RdSH90, RBG18, RJN+19, RL12, RTH17, RSK16, RS16, RGC+10, RKB18, RCD03, RS17b, SCL18, SPT+18, SC19, SKT+08, SZ98, SF19, SACG17, SpdSR+17, SMRM13, SH99, ST11, SW05, SVC+07,
SLK17, SSA^+19, SMS14a, SPR^+10, SGM11, SB18, SKS^+18, SAR18b, SSL13, SF06, SCMS12, SKS17, SJV12, SSB13, TBS^+18, TZQ18, TF17, TKA18b, TV16, TSB18, TCH19, VDPHS09, VS13, VSKS19. Using [VBLs09, WLZ^+14, WMX^+17, WCB^+18, WCM^+19, WNR19, WBKL16, WDD00, WBF08, WL18a, WCC14, WTS14, WLS^+18, WRL18, Xia06, XLZ^+14, XSM04, YJA03, YWJ^+18, YD05, YLG^+16, YSL19, YCZJ18, YWF^+10, YK17, ZG19, ZMS^+06, ZGZ^+10, ZLZ13, ZWL^+16, ZXW^+18, ZGV19, ZZJY16, ZAC^+18, ZZS^+19, Zin18, dFPFG19, vWMBS14, vdV89a, vdS04].

utilisation [EPJ^+05]. Utility [Pal16, PdAF12, BB12, BYV^+09, FP13, HIA18a, MSLP93, MPR^+16, NK17, RZ16, VDPHS09, Ven09, XY15, YVCB10, YK17, ZLL17a, GBS10, KLM^+03]. utility-based [Ven09]. Utility-driven [PdR12].

utilization [DFC^+08, GXL^+18, LLC^+14b, MDB^+18a, NF07, RSJ^+14, TCH19]. Utilizing [GVI13, CZL^+18a, HF19, KTY03]. Utrecht [Bis96].


version [JL95, LFWV05, QCYJ17, ZDW^+16]. versioned [ED16]. versioning [HDO16]. versus [BVDF00, BM00, FLN18, GJS^+94, MGMT18, NHT06]. vertex [GL95]. vertical [FJL^+16, KAC^+15, LF^+18b, MC^+16]. vertices [LXM^+18, WCM^+19]. Very [Klo05, CWJ^+18b, GLA88]. VHSIC [Ano86m]. VHT [MYBMM18]. VI [HO02]. via [AS18b, BB18, BBCN18, CZL^+18a, DH16, DGA18, GCBM17, GDP^+18, GFJ^+12, GDAS18, HHG^+19, HJC01, LLSL18, LEW19, MZH^+17, MBC^+11, MHA09, MYK16, NS19, DLS14, QCYJ17, SC16, SY1A9, SAG19, WZW^+19, WJL18, XFTZ16, XL^+18a, YHH^+19]. viability [dACAM13]. Victoria [PWB^+13]. Video [ASPB03, GFR^+06, TWZP18, DQXW19, GGH^+19, HKU^+11, HSP^+13, HMA^+18a, JLCC12, JHL^+06, KKW16, KS^+11].
KSW^13, KHO^19, LYS12, LYXT14, MYK16, PSPP16, SKF^11, WWC^97, YARH18. **video-on-demand** [WWC^97].

**videoconferencing** [SWCP03]. videos [HWWT12, KY04, SLTK19].

**videostreaming** [PK08]. view [AD18, DCMB15, LYS12, LTZ15, VS04, YCAS03].

viewers [WKF03]. viewpoint [PD11].

**VIGO** [ACC^05a]. violation [HHS^18, XWL^18, ZAC^18]. violations [ENC^12, NJH^18]. Viper [WPGN^18].

**Virtual** [BDF^99, BKS98, BCF^10, CCBR98, CFVP12, CT09, CHK98, DBdL03, DGS09, DFG^00, DK17, Dzw97, Kaa98, Kaa99, KTY03, KGX95, LYYY17, LPBB^18, MSR98, MG10, PBMM95, Ron00, SSFFR19, SOB05, SBP^17, ZLL^16, Zin00, ACC^05a, AKB^01, ASTEP98, ADA^19, ABF^15a, ALM^10, AAM^16, AS14, BJ12, BGH^03, BBSV92, BLRS98, BFC02, CGN18, CRM^16, CM01, CRC13, dCCDFdO15, CN98, DJZ^15, DDS^09, DBA98, DEG^17, DQLW17, Dua94, EGAQ09, GVT13, GRPL04, GCV^14, GFGB03, GHH^19, HMK17, HZZ^14, HRJ^06, HSC15, HZ16, JN12, JDW^14, JSS^99, KSSG16, KTKN11, KC514, Lee04, LJ17, L10, LLJW13, LYYY18, LLF^18a, LLIW18, LJY10, LLI2, LCS18, LC13, DPKB16, Man15, Mar99a, MSK03, MFG^14, MROD10, NWT19, PADD03, PFPJ18, PSG^06, Pon19, PHM^99, Ram95, RL98, RMM^98, RJH^09, RMMH17].

**virtual** [SS13, SB14, SDWS13, Sch98, SHLJ13, SMSF18, SAK^10, SUV^98, SYAL13, SLA^16, SLZ^18, TMMVL12, TDG^06, UZ11, VVIB13b, WQG15, WTM^17, XJWW15, XWX^17, YLHJ14, YPLZ17, YWW^10, ZYJ^18, ZCS^16, ZWHC17, ZHHC17, ZFY18, ZZZ17, ZZZ^10, vVDBB98, EV98, HLCL16, LLIW^13, SB99].

**virtual-to-physical** [ABF^15a].

**virtualization** [FJKK17, KKB14, LLW^12a, LCL14, MG19, MSI^12, SVN^10a, SWW^18, VOS12, WCC^16, YCL^19, ZLZ^13, MCI^19].

**Virtualized** [BB17, ACC^05a, ASB18, BJWZ08, BdM11, BBC^12, CP17, FNCN11, GKW^12, GBF^12, GSP^17, JLI^13, JK17, LC13, PPL^15, TT^13]. virus [LFL^17].

visa [GWO03], visco [Ned06], visco-plastic [Ned06]. **VisGenome** [JHC10]. visibility [DS04a].

**Vision** [AUSA19, BYV^09, CCKW88, GMLGB^17, GBMP13, LPK94, Shi85]. visionary [Pin87]. visit [Kuo86].

**Visual** [DM12, Kam85, ACGrT02, ATJM02, ADLM18, BCD^18, DB99, HHZ16, LSZ^18, LYXT14, MSM^18b, PC17, PCKA19, XJY^18, ZLD^03]. **Visualisation** [PB05, CTMO06, DMM^99, ZAP05].

**Visualization** [GLW99, GLS99, LRJ^06, MJ98, Pag99, YDK11, DLR^09, DMMP98, EWS99, EdBG^99, HAB^06, IDLR01, LGH97, LJP05, MID16, NOF18, OP013, PSG^06, PK08, PdLS^99, RuSV^03, RJH^09, Rm99, SBS4L06, SHN10, Sch00, SUD^98, TWC^06, Ta05, Wes99, WCKW10, ZCW^04, dKdS03].

**visualizations** [Gra15]. **Visualizing** [BAPS14, CTF^99, DK00, GRMOSG18, SW99, BGC^03, DIK^06, PD10]. vital [HYC^18, XKBA18]. vitality [LFL^17].

**vitro** [Kar01, SUD^98]. ViVa [Hol93]. vivo [Kar01, WXZ^18a]. VizieR [OFO^99].

**VLADYMIR** [LC04]. **VLAM** [BGH^03, HBJ^03]. **VLAM-G** [BGH^03, HBJ^03]. **VLBI** [CHJS^10, WWD^14]. **VLBL_UDP** [CHJS^10]. **vbiGRID** [HJPS03]. **VLSI** [BS4, KA88, OBK88, SAS5, TR85, VS88].

**VM** [AB16, CJHH13, CFF14, FCY18, HZW^16, JFZL17, KSF^13, MYW^19, STMV18, WLA8a, YLQ14, YLJ18, ZZJ17].

**VM-scaling** [AB16]. **VMI** [LFL^18a]. **VMM** [AD18]. **VMP** [JN12]. **VMs** [KMT14]. **VMSLab** [GRPL04].
VMSLab-G [GRPL04], vocabulary
[LYXT14]. vocal [AHMS18]. VoD [JJY12].
VolP [Che13a, YCXY05]. volatile [CCL11].
volatility [Lin18]. volume
[LG16b, WWZC19]. volume
[ANO91a, ANO92a, ANO92b, ANO92i,
ANO93a, ANO93i, ANO94a, ANO94g, ANO95a,
ANO95i, ANO98a, ANO98c, ANO03a, ANO03i,
ANO05f, EWG99, HH98, LGMV02, Pfi99].
volumes [ANO94b, WHMO13].
volunteer
[ALFR16, CGCB+12, CMFT16, CCCT1+4,
GDJ+13, GJ15, KJ12, KMV+15, MKK13,
PdASM18, SH99, Sar02, SG13].
VOMS
[ACC+05b]. Voronoi
[KS02, LGMV02, STA17a, WZW+19].
Voronoi-based [STA17a]. VOs [VKK14].
voting [DIN03, ZCZ+18]. VPN
[MSI+12, vdPGZ+16]. VR
[EEM98, Kaa98, MSR98]. VRML
[ZIN00, AD00, AV00, AVG00, ILR01, JO00,
MJ98, MJ00]. VRML-enhanced [AV00].
vs [BCH+08, Ger02, IPG+18]. VSA
[SHLJ13]. VTK
[WKF03].
VTK/CAVE++ [WKF03].
Vulnerabilities [YS16, GHY18, GCC18].
Vulnerability [LKCS18, NJKH13].

W [vdR87g]. W3P
[FKOC11]. Wafer
[AKW00a]. Wait
[RAY05, BB06, BKY18].
Wait-free [RAY05, BB06]. wakes
[SSP04].
walk [MLW+18b]. Walker
[vdR87g]. walks
[LXM+18]. wall
[NRR+15, KID+16].
wallets [VSM+19]. Wallis
[MZ19]. walls
[YDK11]. WAM
[CY88, CY90].
WAM-based [CY88]. WAM-Plus
[CY90]. WAMM
[BFL99]. WAN
[SISG18, TDG+06, ZFY18]. wandering
[CW10b]. WANS [GGH+05]. want
[VSM+19]. Warning
[ZPPE17, VMN+18].
warp [ZXL+18]. WASAM
[AL14]. wasn’t
[DA18]. wastewater
[Mae89]. watchdog
[ABF+15b, JXC+19]. water
[BNJ16, Ig04a]. Waterman
[Zem86]. watermark
[PvSS17].

watermarking
[AIA++18a, AIA++18b, BW13,
HKA+18, RS17b, SKS+18, ZSMS18].
wave
[Fin99, GCK98, Kni89, Sap88]. WAVE-1
[Sap88]. wave-turbulent
[Kni89]. wavefront
[MAPA19]. Wavelet
[KKV+99, SMC99, BWR12, BW13,
GHEB+18, KU01, NUPA19, WLZ+14].
Wavelet-based
[KKV+99, SMC99].
wavelet-time
[WLZ+14]. wavelets
[PRW14]. waves
[GP+94]. way
[ABMC18, ABF+03, dRDFG18,
GFW+18, HM98, YG18, YCH19, ZZJ17].
WBAN
[GCK18]. weakening
[CWL+18].
weaker
[Wan18b]. wear
[WZS+18].
wear-aware
[WZS+18]. wearable
[CRRC18, CRC+19, DPF19, GRX19, KMEU9,\nLYN+18]. weather
[LCL+18, WSH99, ZXL14, PSP+09]. Web
[CAS+16, LKA+19, OPP00, YPF05, AAF18,
ACPI19, FTH16, HC17, KHI8a, LPMY18,
LXL+17, MCT+15, NWT19, NK18, Qu04,
RW18, ZJW+14, ADM06, AKMK05, ATF11,
AFP07, AMW99, BJA+05, BKKW99,
BRXDS11, BDF+16, Brn01, BCM07,
CMZ+12, CAC+10, CW04, CBK+01,
CSL17, CGL+10, DCS+07, DMM11,
EKBO0, FD12, FKOC11, FCD+14, GP11,
GBE00, Grn01, HZC10, HAF09, HAF00,
KS11, Lm00, LLM13, LWHC07, LJ07,
LLKF09, LASL16, LC03, MCSS00, ML11,
MJ06, Mar08a, MSX00, MGLPPJ13,
MPPM09, NKK09, NMA00, O07, OVK+09,
PO00, PPSS06, PPAK99, PFS+13, PB+05,
QPO8, RHMG14, SH99, SMA08, SHE00,
SYY+07, TGM11, VSP+14, VCWL12,
XLZ+14, XRPT18, YML13, YA014,
YMM00, ZCW11, ZWW+13].
web-based
[FTH16, AMW99, Brn01, CBK+01,
DMM11, GBE00, Grn01, LC03, MCSS00,
MJ06, Mar08a, MSX00, PO00, PPAK99,
SH99]. Web-centred
[LASL16]. WebFlow
[HAF00]. Webservices
[OFT09].
Websim99
[BRU01, FCW01, Grn01, ILR01,
PFO1, PSS01, SM01a]. websites
[SZ12].
weekly [MHW+16]. Weibo
[MNC+18, WRCC17, WNR19]. weight
[AKB+18a, Eng14, LTC12]. weighted
[BRL19, LFWM05, LLSL18, LJW+19,
PLL+18, TJ18, YPKC12, YZ12, YL16,
RCM17]. weighted-fair-queuing [YZ12].
Welcome [vdR85]. Wesley
[Zem86, vdR87g]. WFQ [YZ12]. whale
[ABMESM18], wheelchair [SLTK19].
Where [MGR11]. Herrerett [vdR87e].
while [BKY18, LLW12b]. white
[ZSW+18a]. white-box [ZSW+18a],
whiteboard [FP03]. whitelists [HLNM11].
whole [CMX+16, CC00]. whole-exome
[CMX+16]. whole-program [CC00]. Wi
[AKM18, DCFB19, SLS10]. Wi-Fi
[AKM18, DCFB19, SLS10]. Wide
[Op00, OS01, AL14, BBI13, GGH06,
GGS09, GG10, LCBF13, LRJ06,
LWS07, RR599, VLS09, ZVG19].
Wide-area [OS01, AL14, GGH06,
LCBF13, LRJ06, VLS09]. WiFi
[AMRM18, NS10]. WiFi-based [NS10].
Wiki [LG16a]. Wiki-Health [LG16a].
Wikipedia [BAPS14]. wildfire [JNHL18].
wildland [ACML06]. Wiley
[Ano87c, vdR87a, vdR87d]. Wilson
[vdR87g]. WiMAX [SLS10].
WiMAX/heterogeneous [SLS10]. Wind
[SNC18, YGY19]. window [YL16].
windows [AQB15, RJN19]. WPX09].
wings [GTCZG+18]. wire [BKY18].
Wireless [SY+19b]. AS18b, PC17, SMS16,
TKA18b, WWTF18, APK18. AIB18,
BLAN16, CZY18. CJ14, CCM18, FG18,
FJJ18. GBK18, GLX17, GZL18,
HKA18. HMW14, HDI18, IASK14,
KMU19, KLW16. LC17, LBYL08, LLQS14,
LW18a, LCZR12, LZG12, LBHC16,
LZ16, MYK16. MK04, NS10, PSVLO2,
PNZ14, QGX18, SJ14, SCY18, SCS18,
TSD18, WDJC18, WCW18, WLS18,
WGX19. XZ14b, YHL19. ZBL14,
ZZLH18, ZWJ18. AS18a. wise
[LHCC18, XTL19]. within
[AJY15b, BBD99, DMPP16, EP12,
EBCP18, MZP19. MT17, PO00, Pag99,
PA01b, ZDL13]. without
[CYH04, DH16, Gor02, LY17]. WK [VS90].
WK-recursive [VS90]. WLAN
[MYBMM18]. WOA [HEES19]. WoBinGO
[ISS15]. WonderSpace [NMA00]. Work
[JO11, TF13, Hen87]. workbench
[SB11, dRSHH94, Wes99]. worker
[Bll91a, LC14]. Workflow
[AL18, AM17, BGK05, FPX09, GKW12,
HMS15, MJM16, MSE19, NGH06, SV16,
WCC09, ANE13, ACKY17, AB18a,
ALK15, ABP16, CHC17, CdS05, CLR18,
CBK17, CGS18, CS09, DGST09, DVJ15,
DMMM11, DNP14, EHT10, FKE11, GHY18,
GCC17, GJ15, GKW09, GML08,
GRCP17, HHD12, HB09, HZP14,
HHW11, JPB17, KKS08, Kim08, KVHT10,
KTM18, LWHC07, LS05, LGY16,
LLCF11, LSH11, MSS13, MJDN15,
MBZL09, NF13, OdOD13, PAC17, RRB10,
RB12, RLRC13, RB18, SD06, SDC17,
SB11, SGJ18, Sip12, SL13, SV15, SDC11,
SCBK16, SLL18, TMM13, TTK14,
WYBS11, WHP09, WWT16, XWL18,
ZCW11, ZME15, ZBB09, ZLR15, ZZS19,
dSGD13, dSFP17, AKM05].
Workflow-and-Platform [SV16].
Workflow-based
[NGH06, WCC09, LSH11, MSS13]. workflow-oriented [SL17]. Workflows
[DGST09, LPV16, MG11, AHP16,
AHP18, ABG17, AB17, AB017, AB18c,
AGMT17, Bal16, BBB16, BKKM11,
CLRL17, CMX16, CTR17, CBBC17,
dCCDF015, DGS09, DGR15, DM12,
GAB14, GP09, HMM18, HCJ14, JTS13,
JTBS15, JCD13, KS18a, KCK16, KS17a,
KOP17, KTTK17, LH07, MT17, MDO17,
Nag16, PFS13, RKB18, SG17,
SSC09, TDPE17, TDF07, TBNF09,
TGM11, WLF09, WZZ16, WHW16,
YYLC10, ZYB+18, dOOO+13, ACBM15. 

**Workforce** [MMF16]. **Workforce-efficient** [MMF16]. **Working** [Ano86h]. **Workload** [KMB16, KS18c, ADBO18, CW+16, DMZ12, KVR15, MKE19, LJGW18, OP97, PZA18, RSL+14, SS13, SRN+18, WML14, ZWW+13]. **Workload-aware** [KMB16]. **workload-based** [OP97].

**Workloads** [BB17, IJ+08, BK06, CKLC06, DD15, HRVW18, MMVP13, RB18, VVB13a, VVB13b, WMQ+16].

**workpiece** [OPT+17]. **works** [PFS+13].

**Workshop** [ABMS05, AB03, NFK10, WBMP99, Zna94]. **workspace** [WHYZ18, FBBW99]. **workspaces** [GMP+16, PDW+11, RCOP+11].

**Workstation** [BM92, Hum92, PBM95, BPC+01, Bro92, ELvD+96, MRV92, Sin92, SD03]. **workstation-farm** [Bro92]. **workstations** [BDNP92, DZ98, MM03, SMI01].

**world** [ACBM15, FSP02, Gra01, JSS+99, LYC18, LAM07, PWP+18, PM14, YAO14, Zin00, Opp00]. **Worlds** [EV98, Mar99a, PADD03]. **worldwide** [ELvD+96]. **wormhole** [KSAOK03, KD00, Pan95b]. **wormhole-routed** [KD00]. **worms** [AMM16, CsZW14, FX10, Pan95b].

**Worst** [HND06]. **WPAN** [vdLLE19]. **WPANs** [GHMX10]. **WPAD** [WZ+14]. **wrapping** [MPC+18]. **write** [MPC+18, SCH+19, TMDZ15].

**write-enabled** [MPC+18]. **Write** [OB04]. **writing** [BMFC07]. **WS** [HML07].

**WSADF** [MSE19]. **WSI** [AKW90b]. **WSN** [ABC+18, BARMB14, MOGF+18, RRU+18, SCL18, SMS14a]. **WSN-based** [SCL18].

**WSNs** [ABB19, FFL+19, HZW+18, WCL+17b]. **WSN-assisted** [FFL+19]. **WSRF** [CTT07, MHA08, MHA09]. **WSRF-based** [MHA08, MHA09]. **WWW** [Opp00, CLM00, DMMP98, DMM+99, SCY01].

**X.509** [CO03]. **XEP** [KBVH14]. **Xen** [SHLJ13]. **XIA** [ZZJ17]. **XML** [ATJMJZ02, ARP14, AMW99, DL04, HGC04, LJ07, LYT+05, SW17].

**XML-based** [ATJMJZ02]. **XPath** [LBY+05]. **XSACd** [FSM+18b]. **XSACd-Cross-domain** [FSM+18b]. **XSS** [GCC18]. **XTM** [DL04]. **XtremWeb** [CDF+05]. xvi [Zem86].

**Yao** [BDNN02]. **Ygdrasil** [PADD03]. **yoking** [LNY+18]. **yoking-proof** [LNY+18]. **YOLOv2** [SLTK19]. **York** [Zad87, vdR87a, vdR87f]. **yourself** [LMZ+14].

**Zebra** [PRW14]. zero [AIA+18a, AIA+18b, DvdHdL06, HKA+18]. zero-watermarking [AIA+18a, AIA+18b]. **Zeus** [SPD+19]. **Zig-Bee** [ADBM19]. **Zimmermann** [vdR87f]. **Zone** [CCK+04, FJJ+18].

**References**

**Adhikari:2018:HBL**


**Al-Ayyoub:2018:RSP**

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