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Title word cross-reference

* [Vin16]. *AIDA [WM14].

-anonymity [ZLT⁺19]. **-aware** [LWS⁺12].
-based [YZ12, TMDZ15]. **-constraint** [GPS13]. **-core** [PSLZ18, PLL⁺18]. **-D** [AM19a, VF18]. **-dimensional** [CFL⁺18].
-diversity [SLW11]. **-driven** [HB19].
-fuzzifying [YH18]. **-gram** [ZXM⁺19].
-Learning [CLL⁺18a]. **-Lop** [RGDML16].
-means [Bu18, LSZ⁺16, LZY⁺19b].
-pillbox [HZM14].

0th [RCMT18].

1 [PZY16]. **100** [KSW⁺13, SME⁺21, WLRL18]. **108** [DP21a].

(L, α) [SLW11]. 2 [AKB18b, AM19a]. 3 [AKB18b, Bro19, CPD⁺15, DJH⁺19, GWW⁺19, SHN10, VF18, XJY⁺18]. 5 [AT19a, DPK⁺19, NLS19, YYS⁺19]. 80/20 [MRH17]. + [PYH⁺18]. 2 [WWT⁺16]. 3 [LHM14]. 3 [TMDZ15]. B [WCWC19, WCWC20]. c [Bu18, LSZ⁺16]. ϵ [GPS13]. K [LZY⁺19b, PLL⁺18, ZLT⁺19, ZZC14, CCJ16, MLW⁺18a, PSLZ18, STA17a, TDBR18]. M [YH18]. N [RW18, ZXM⁺19, CFL⁺18]. Q [CLL⁺18a]. R^2 [TY11]. T^2K^2 [TDBR18]. $T^2K^2D^2$ [TDBR18]. τ [RGDML16]. u [HZM14].

2 [MK16b, PZY17]. **2.0** [GHLW18, LLMP13, MDA+19]. **2.5** [XTL+19]. **2009** [MBC+11, RW13]. **2010** [CC11]. **2012** [TCG14]. **2019** [Ano19q, Ano19n, Ano19p, Ano19o, Ano19r, Ano19m, Ano19k, Ano19l]. **234Compositor** [NOF18]. **2K** [HSP+13, SKF+11].

3 [LC17]. **3.0** [VEET18]. **37C** [Cha14b].

4.0 [ZWJ+19a]. **4.0-based** [FG18]. **4CaaSt** [MVG+14]. **4K** [HKU+11, HSP+13, KSK+11, MBC+11, SKF+11]. **4K/2K** [SKF+11].

5G [ELAEAVAM19, HHZ19].

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

72 [HYS18].

802.11af [AAQ+19]. **86** [LBJ+24]. **88** [GHEB+23, NDZ+18a, NDZ+19]. **89** [ABMMC22]. **8K** [KSK+11].

90 [AB19a]. **91** [Bo20, DP20, DP21a, DP21b, ZMZ+20]. **98** [HZX+20, JLC+20, WWP20, WCWC20, YWG+20, YTQ20, wZcZN+20].

AAA [MLM16]. **AAA-based** [MLM16]. **AAL** [AMR+19]. **aaSERVICE** [GMP+17]. **abbreviation** [DZLA19]. **ABC** [JFZL17, XLW+17]. **ABE** [HQZH14, ZSW+18b]. **Abnormal** [LSL+15, CXZC18, LWR+19, RJN+19, WLZ+14, ZCZ+18]. **abnormality** [GRS+19]. **absolute** [HKP10]. **Abstract** [GGC17, FTD17, YJL+19]. **abstracted** [AAD+13]. **abstraction** [AFS16]. **abuse** [JSMG18, QRW+18]. **AC** [HMW14]. **accelerate** [RGCC18]. **accelerated** [FBM19, HSP+13, LZX16]. **Accelerating** [CLDC19, FRB+14, GXW+19, XFJ+19, KKL11]. **acceleration** [ABF+15a, HZDS19, XZL+19]. **Acceptance** [SAPA17]. **Access** [AMSPL19, BL13, DCMB15, HRR+14, MDA+19, ASAA18, AMHJ10, BCN+19, BR18, CWL+19, CJK+18, CCM+14, CdRRdCB19, DW11, DLDTGMMP16, FXG+19, FNA11, FS18, FSM+18b, GHMX10, HAJ+19, HZL18a, HLCL16, KRd+19, KIS11, LLMP13, LZWX13, LHO17, LLW+18a, LLW+19a, LZLL18b, MAC14, MYHZ18, MYBMM18, MLM16, Mer13, NRV+17, NJ16, NA19, PFRC16, QGT+18, QCX18, RPH19, SAK19, SMSF18, SCL14, SYK+17, SZR18, VPP+19, Wan18a, WG13, XYML19, YXZG18a, YWJ+19, YAX+18, ZZ15, ZCL+18, ZDW+16, ZFH+18, ZSL+19b]. **access-right** [RPH19]. **accessibility** [RMSPP17]. **Accessing** [CLH10, YSC+15, YCY10]. **accident** [PWP+18]. **account** [WNR19]. **accountability** [HCL+17]. **accountable** [Wan18b, XX14]. **accounting** [BBC+12]. **accounts** [LZP+18]. **accuracy** [DSM+19]. **Accurate** [TMB+19, CSL19, FZT+18, FWB13a, FWB13b, IDM+16, MAPA19, NS17b, WN10]. **Accurately** [CPSD18]. **ACEIS** [GACM17]. **Achieving** [DW11, GLD+19b, JLC18, KHG13, TSWL17, VPP+19, XX14, ZZX+19, NJHT11, WCL+17a, WHS+18]. **ACID** [KJI11]. **Acknowledgement** [Ano10, Ano11a, Ano12a]. **ACM** [KZ17]. **ACO** [GPJC17]. **ACO-based** [GPJC17]. **Acoustic** [KWK+18, CJG+18, FZW+18, HAAWH+18, HST+18, TSD18, WCB+18, WTP+13]. **acquaintance** [RQN+19]. **acquisition** [AK19, BDZ13, LLS+19, XYLZ18]. **across** [AM19b, CTVB12, LZP+18, LLM+16, LSMVML13, SG17, SFR15, TMMVL12, UNM+16, WTR+13, ZZH+16, dFVPSHL+14, SMSF18]. **Action** [UMUB19]. **actions** [ABG18, SSC+19].

Activation [TWG⁺19, SSZ⁺17, ZBL⁺14].
Active [KMI11, SFR15, STC15, BTP19, FGG13, LQK⁺16, SYT⁺19, XFLL16].
ActiveSort [LQK⁺16]. **activities** [TMB⁺19, dlFVPSHL⁺14]. **Activity** [BAKB19, LTC⁺19, TCCW19, BDE17, CHWW13, CZXL18, GMP⁺17, HUMA18, HLT⁺18, HMMW19, IFD⁺19, KSS19, KKP19, MSS⁺13, OCW14, RM19, dSGD13, GMP⁺17]. **Activity-aaS** [GMP⁺17]. **Activity-based** [BAKB19]. **activity-travel** [BAKB19]. **ActOn** [XCGD10]. **ActOn-based** [XCGD10]. **actor** [LYW⁺16]. **Actuation** [SST18]. **actuator** [ARSMY19]. **Ad** [CNP⁺19, KKN18, KIAD17, LLYW19, SVK19, YFY⁺13, AAS⁺19, BLMU19, HHK18, LAQ⁺19, LLJ⁺11, SGGCR⁺16, VCD⁺18, ZF16]. **Ad-hoc** [CNP⁺19, LLYW19, SVK19, YFY⁺13, AAS⁺19, BLMU19, HHK18, LAQ⁺19]. **AdaBoost** [LLS⁺14]. **ADAMAS** [RM16]. **adaptability** [HRVW18]. **adaptable** [MSE19, PMLVLS⁺13]. **adaptation** [AKM18, CLNR18, FTD17, FA11b, PWB⁺13, PSBB15, SJ18]. **adaptations** [Kyr19]. **adapter** [LZL⁺16]. **Adapting** [SPR⁺10, SJV12, EKSDN19, JLRS18]. **Adaptive** [AS14, BML18, CJG⁺18, DBP19, DP17, EP12, HCMJ19, Ima19, IDCJ11, JGB19, KPJ19, LZY⁺19a, LJ17a, MCJ19, MBS13, MDB⁺18b, MYK16, PIP18a, QPTGG⁺12, RT16, SME⁺21, SRdlPG19, SVK19, TPBS14, UGBM⁺17, WLA18a, YMD⁺13, AEME⁺18, CZT⁺15, CQW⁺19, CPD⁺15, CFMC19, CLL18b, CXC⁺18, CB10, DST10, DFG⁺19, DDD18, DFRW17, DHL18, DLS⁺12, ESW⁺17, EKGS14, FTH16, HGG⁺14, HAP15, HXC⁺18, IKLL12, JNR12, JSZ⁺19, KKB14, KJI11, KK10b, KS18c, LLpC12, LBD⁺19, LHM14, LSL⁺18, LW18b, LKJ17, LSG⁺19, MWCK19, MdFTGM19, MJRM16, MAA⁺19, NDZ⁺18a, NDZ⁺18b, NDZ⁺19, NQQL13, PdAF12, PNZ14, PPB16, RWO⁺19, RWZ⁺19, SME⁺19, SMG18, SEPV19, SYL18, TJZ⁺15, WCF⁺15, WXZ⁺18b, XLL⁺14, XWRZ19, XJZ⁺19, YP12, YDD⁺18, ZCK⁺15, ZTKX19, ZBL⁺14, ZAC⁺18, vWMBS14]. **Adaptively** [YPCK12, CLH10, JDW⁺14]. **address** [ABF⁺15a, BCdV⁺19, GFD14]. **Addressing** [HNCJ13, ZL12, BFS⁺17a, BFS⁺17b]. **adequacy** [CMS⁺18]. **adjusting** [Lea13]. **adjustment** [TJ18]. **ADL** [Bae14]. **administration** [SB19a]. **admissible** [QPTGG⁺12]. **admission** [Che13a, IS18, MWVVB12]. **adoption** [CKR16, NZOCJ⁺19]. **ADSP** [SVK19]. **adult** [WNR19]. **adults** [CAS⁺18]. **Advance** [CJK⁺18, DVB14, CKP⁺19, TCCC11]. **Advanced** [BRB19a, CSYY18, DO15, GCCPGBGS10, PPS⁺19, PPB16, PZY16, PZY17, VLAC⁺13, ZZLR18, ALL⁺18, Cuz14, DFRW17, GHP⁺18, MLC⁺11, MVG⁺14, MFL18, RAdARP19, RRH16, WdL16, YCH19, VOV17]. **Advances** [CLCY18, DPDS14, FBS18, KGVW14, Pal16, TCG14, WQ14, ADLW12, BB12, CSC18, HMS15, KA13, MGL⁺18, YHA⁺19, ZCYZ18]. **advancing** [GDP⁺18]. **Advantages** [SW17]. **adversary** [NAM⁺19]. **advertisement** [AMHJ10]. **Advertisements** [BCMM18, NK18]. **advisor** [CRTN17]. **advisory** [BDE17]. **aerial** [MND⁺19]. **aerosol** [XAW⁺10]. **AES** [FAA⁺18]. **affairs** [LLW⁺18b]. **affect** [PKA19]. **affect-related** [PKA19]. **affecting** [DSM⁺19]. **Affective** [AW19, NPH19, XFM16, FGW⁺19, LCC19, LJ19a, NKB19, QLM⁺18, SA19]. **affinities** [HAF⁺16]. **AFIRM** [MDB⁺18b]. **AFT** [PIP18a]. **after** [ZXW19]. **Against** [SCH⁺17, IDKD19, JL14, JCL⁺15, JSMG18, JCL⁺19, KIAD17, KdGP⁺19, NNC⁺19, QRW⁺18, WLYL11, XWRZ19]. **Age** [TBS⁺18, LZT⁺19]. **Age-related** [TBS⁺18]. **Agent** [MND⁺19, BDP11a, Bar11, BGMLS17,

COC10, DRGC⁺19, FCY18, GJKP18, GGS13, HKG⁺16, KMB⁺17, KVK⁺18, Kim14, KB16, LBD18, LJ17b, LFY⁺19, MFSV19, SSG17, Sko19, WWX⁺17, WXZL11, WWZ18, WHCW19, ZMN19]. **Agent-based** [MND⁺19, BDP11a, BGMLS17, DRGC⁺19, FCY18, GGS13, HKG⁺16, KVK⁺18, LBD18, ZMN19]. **Agents** [KSS11, AB19c, ADH⁺16, KFBKD14, LCZR12, PBV⁺13, SB19a, SMS14a, VRGR16, YP12, PVHTP19]. **Aggregate** [CFP⁺19, GLB⁺18, JSC⁺15, LLL⁺18, Wan19, YFY⁺13]. **Aggregated** [IHK⁺18, KYB⁺19, RGC⁺10, WWG19a]. **aggregated-task** [WWG19a]. **Aggregating** [SB17b, HQ10]. **aggregation** [BMZ10, CLR16, CIK10, CXC⁺18, DLS⁺12, ECPF17b, FRZ19, KLP19, KV12, LCBF13, LLQS14, PvSS17, RBLvM14, TAS⁺18, WWDF18, ZGL19, ZZH⁺18]. **aggregation-capable** [PvSS17]. **aggregator** [LLQS14]. **agile** [LG18]. **agility** [FLR⁺16]. **agility-oriented** [FLR⁺16]. **Aging** [FPR18, DLZ⁺14]. **Aging-related** [FPR18]. **agnostic** [KDG⁺19]. **AGRA** [CES⁺19]. **agree** [CAC⁺15]. **Agreement** [LYW⁺16, PB18, AQRH⁺18, APK⁺18, IOV⁺18, KLW⁺16, MLC⁺18a, MJRM16, ODK⁺17, OSANAM19, PRS12, RZ16]. **Agreement-based** [PB18]. **Agricultural** [ZL18, CZH⁺18, HPZL18, LBJ⁺18, LBJ⁺24]. **agriculture** [APK⁺18, BNJ16, BW19]. **ahead** [Eng14, WYBS11]. **AHP** [ABMMC22, ABMMC18]. **AI** [CES⁺19, LLT⁺19, QLM⁺18]. **AI-augmented** [CES⁺19]. **AI-defined** [LLT⁺19]. **AI-enabled** [QLM⁺18]. **aid** [ABM19]. **aided** [GSC⁺19, LYL15, MGA⁺18, Sko19]. **AIEM** [QLM⁺18]. **AIM** [TWG⁺19]. **air** [LLN⁺18, ZXW⁺18]. **air-land** [LLN⁺18]. **Airavata** [GRZ⁺19]. **aircraft** [TYWZ18]. **al.** [RLM18]. **alert** [NJKH13, SSB13]. **alerting** [MVL⁺18a]. **alerts** [CPP16]. **algebra** [JLRS18, MKM11, WZ16]. **algebraic** [Che13b, MdOO⁺17]. **Algorithm** [CT19b, GAA19, HMF⁺19, JGB19, MPI⁺18, SE19, TA18, TKA18b, ABMESM18, AHEM17, AA18, ATF11, AIA⁺18b, AS18a, AY16, Bag11, Bag19, BZMY10, BMT12, CT19a, CPDJ13, CLRL17, CZY⁺18, CZL⁺18a, CLZ18, CJ14, Che18, CWJ⁺18a, CGSJ18, CCC19, CHY⁺18, CMZ⁺18, CZL⁺18b, DYY⁺19, DQXW19, DC19, EAA16, EA17, FLT17, sGbKS19, GPS⁺17, HZW19, HPZL18, HLL18, HHM⁺19, HEES19, HXWW18, HLL⁺17, HBN⁺13, HZLH19, HLZ18, IS18, ISS⁺15, JGFB18, KHMB13, KB18, Kim18, KLP19, KKS18b, LC17, LLpC12, LCL⁺16, LSZ⁺16, LGY⁺16, LJJ18, LZY⁺19b, LZZ19, LZL⁺19a, LLL⁺19, LC15, LWH⁺18, LJC⁺19, LAH10, LZXG12, LWZ18, LLSL18, LW18b, LYH⁺19, LZWF19, MWL18a, MNV12, MHC14, MLC18b, MZYA19, MAÇ17, MGA⁺18, MAA⁺19, MFT⁺17, MCSA18, MRN19, NPP12, NWL17, OB19, PC18a, PKF14, PRC⁺14, QCY⁺19, QMSG12, RGAT18, RS17a, RWZ⁺19, SR12, SGRT19, SOD18, SMS⁺19]. **algorithm** [SPD⁺19, SYAL13, SLB⁺17, SJL⁺18, TDFZ18, TLL⁺11, TJZ⁺15, TZLL18, TM19, TWW⁺18, TdPF⁺17, VAdIP12, VPT⁺15, VMN⁺18, WYBS11, WCL⁺17b, WJZ⁺17, WDD18, WWZZ18, WNR19, WZ18, WLA17a, WLA18a, WCC14, WWZ18, WHCW19, XY15, XRPT18, XHL⁺19, YWCC18, YHL⁺19, YZWG18, YSZW18, YPJ19, YDD⁺18, ZRZL18, ZWL13, ZYCZ19, ZBL⁺14, ZRZ⁺14, ZL18, Zin18, ST11]. **Algorithmic** [GTEL⁺18, AB18a, WM14]. **Algorithms** [CCMGF18, MJDN15, RGCCL18, ANE13, ACWJ19, AMÇ19, AGKZ18, AB16, ACD⁺19, CLCMG⁺18, CZY⁺19, CGM⁺18, CSQL17, Cuz14, ESPN17, EP13, FK12, FGM11, FM10a, GLJ19, HH19, HKS18, HZ10, JOSD19, Kha12, KGT15, KVHT10, LLC11,

LCW⁺¹⁸, MCA⁺¹⁸, Mér17, MVCC10, NAD⁺¹⁸, SF19, SC16, SG13, VSDD13, WLQ10, WWT⁺¹⁶, XWJ⁺¹⁶, XLW⁺¹⁷, YFY⁺¹³, ZGV19, ZLG⁺¹⁴, ZAC⁺¹⁸]. **alias** [MWYC12]. **ALICE** [JCA⁺¹⁹, PcFP⁺¹⁷]. **Aligning** [SBLW14]. **alignment** [KKvdB⁺¹⁷]. **all-to-all** [ZTKF17]. **alleviate** [DV13]. **Alloc** [QMSG12]. **allocate** [LLF^{+18a}]. **Allocating** [MDD15]. **Allocation** [DXL⁺¹⁸, AOIS10, AJR⁺¹⁹, AAQ⁺¹⁹, BAA⁺¹⁹, BAB12, BCDP12, dCCDFdO15, DVB14, DVD12, DEG⁺¹⁷, EZTL19, EMJ⁺¹³, FDPR17, FEPC18, GCZ⁺¹⁹, HMH17, HH19, HDLW13, HLL⁺¹⁷, IAL10, JSS⁺¹², JMAG19, KOT18, KPJ19, KKW⁺¹⁴, KA19, LN13, LPK17, LPK18, LWD⁺¹⁴, LLZ^{+18a}, LTTL19, LZCX19, LSL⁺¹⁸, NCS12, PSP16, PdASM18, PPL⁺¹⁵, QMSG12, QPTGG⁺¹², RCTY19, SPD⁺¹⁹, SCMS12, TTH15, TSBH11, WCW18, WY17, YCY10, YSC⁺¹⁵, YLJL18, YC13, YW12, YMY⁺¹⁷, ZGL⁺¹⁸, ZXZL18, ZB19]. **allocations** [SMS14b]. **allowing** [VRGR16]. **along** [DFLO17]. **alternating** [SMC18]. **Alzheimer** [NDZ^{+18a}, NDZ⁺¹⁹, NDZ^{+18b}]. **Ambient** [VKT⁺¹⁹, YGS16, CRC⁺¹⁹, FKT14, MLGGB⁺¹⁷, NPH19, OdI14, SJSA19, TF17, VRGR16]. **ambulance** [KKS^{+18a}]. **AMD** [DRC⁺¹⁹]. **America** [PKP19]. **among** [GSY⁺¹⁷, HS19, LLF^{+18a}, SAGGB17, SCZ⁺¹⁹, VGD⁺¹⁹, dFPFG19]. **amphibious** [LLN⁺¹⁸]. **analgesic** [WWA19]. **Analyse** [ACMM19, Bel16]. **analyses** [ATdC⁺¹⁶, GCBM17, JHC10, OdOD⁺¹³, SBA⁺¹⁷]. **Analysing** [BDP11a, WTP⁺¹³]. **Analysis** [AM17, BBC⁺¹⁷, BHE⁺¹⁹, BGC19b, CMEA⁺¹⁹, KVR15, KCH⁺¹³, KKA18, Li15, LRYJ17, MCA⁺¹⁸, MG16, MCRB19, MKS⁺¹⁹, SHL^{+19a}, SB11, WTG⁺¹⁴, WCWC20, AAYL19, ASV⁺¹³, AB18a, AMR⁺¹⁹, ABG17, ASYF18, AMÇ19, AGKZ18, ATX13, AAS⁺¹⁹, AAI⁺¹⁹, AEME⁺¹⁸, Bag19, BSRR18, BBC⁺¹³, Bo19, Bo20, CSV⁺¹², CA15a, CCRV13, CFM17, CGIP14, CPE⁺¹⁷, Cha15, CHC⁺¹⁷, CLL18b, CRYG18, CWUS19, CDMR19, DMC⁺¹⁹, DZH18, DCBF19, DLS14, DMPS19, DDMPG17, DMM⁺¹⁸, DNW⁺¹⁹, DMM14, DZLA19, ETR⁺¹³, FAA⁺¹⁸, Fer13, FNA12, GHMX10, GAB⁺¹⁴, GHP⁺¹⁸, GLNT13, GBY16, GRMSOG18, GPJC17, GRX19, sGbKS19, GRS⁺¹⁹, HHL11, HPP⁺¹⁸, HAM18, HMW14, HZX⁺¹⁹, HZX⁺²⁰, HLL12, IPCA⁺¹⁶, JBC16, JLS19, JYZ⁺¹⁹, KI19, KPS18, KCV11, LCGPC19, LSB⁺¹⁸, LOR⁺¹⁸, LWW⁺¹⁸, LCH⁺¹⁸, LQF19, LWR⁺¹⁹, MLL15, MZH⁺¹⁷, MFC⁺¹⁹, MZP⁺¹⁹, MT17, MSA⁺¹⁹, MK19a, MHdS19, MEBA12, MMC⁺¹⁸]. **analysis** [MSM^{+18a}, MBL⁺¹⁹, NKP16, NJ17, NAM⁺¹⁹, OKF10, OMPSPL⁺¹⁹, OCCK14, PVN⁺¹², PBL⁺¹⁸, PTM⁺¹⁸, PPS⁺¹⁸, RJN⁺¹⁹, RHH⁺¹⁹, RS16, RAA⁺¹⁸, RLM18, RGCCL18, SP18a, SOA17, SHN10, SVB⁺¹⁹, SG17, SWW⁺¹³, SAG19, TSD18, TBK⁺¹⁰, TLSC17, TBR⁺¹⁹, TM19, TKTG19, TSGVRGS19, VCL⁺¹⁹, VR12, WJS⁺¹⁸, WDJC18, WXZ^{+18a}, WYJ⁺¹⁹, WZH⁺¹⁹, WZY⁺¹⁹, WMA⁺¹⁹, WZL18, WCWC19, WLA18b, WZ16, WWA19, WLZ⁺¹⁹, XFTZ16, XL19, YPCK12, YPJ19, YN18, ZZDM⁺¹⁸, ZSX⁺¹⁵, ZWZ18, ZWWL18, ZMZ⁺¹⁹, ZRZR19, ZMZ⁺²⁰, ZCZ⁺¹⁸, ZWJ19b, ZXL14, dACAM13, DDJ⁺¹³]. **analysts** [SOA17]. **analytic** [LJC⁺¹⁹, MMVP13]. **analytical** [CPGBC16, GS13, JS13, PBA18]. **Analytics** [DP20, DP21a, DP21b, MGL⁺¹⁸, PN13, ABD⁺¹⁹, AAA⁺¹⁹, ATM⁺¹⁹, ADLM18, BA17, BAJ⁺¹⁹, BMP⁺¹⁶, CZXL18, CMP⁺¹⁷, DP19, DGCGRH⁺¹⁷, FSV⁺¹⁹, FFGP⁺¹⁹, FRM⁺¹⁸, GQLX18, HHZ16, IHA18, KPB18, KMST19, LJ19a, LHPC⁺¹⁹, LIC18, MID16, ML19, MDT⁺¹⁸, Osm19, SSA⁺¹⁹, SG19, SJSA19, WSQ⁺¹⁸,

WHYZ18, WLHH18, XWZ⁺19, YSHM19, ZZH⁺16, ZWQ⁺19, uRYS⁺19]. **analyze** [RWV⁺13]. **Analyzer** [VOV17, SHLJ13]. **Analyzing** [CRB⁺16, CBLS13, HSB⁺18, PLL⁺18, HHH⁺19, HHD⁺12, UZ11, WWSL19, WMLS14]. **AndrODet** [MdFTGM19]. **Android** [GMCM18, AAI⁺19, DMM⁺18, GMCM16, JCA⁺19, LLWZ18, MH19, MHdlS19, MdFTGM19, MRL14, PZC19, SGS⁺18, WWH⁺17, WLW⁺18, WMJW18, XWRZ19, ZRZR19, ZCQ⁺16]. **AndroKit** [AAI⁺19]. **Aneka** [CVKB12, TSB18, VCKB12]. **anesthetic** [WWA19]. **ANFIS** [BBMG10]. **angiography** [DGA18, RDSA18]. **angle** [XZ16]. **angle-based** [XZ16]. **Angular** [DJH⁺19]. **animal** [KS18d]. **ankle** [Bo19, Bo20]. **annealing** [Cha11]. **annotating** [AAF18]. **annotation** [GMP⁺16]. **anomalies** [FPR18, LYS⁺19, RKB18]. **Anomaly** [HZW⁺16, ZGV19, AMI16, BS17, CYW⁺19, FJ18, GNGG17, VSBN19, WWZZ18, WXZ⁺18b]. **anomaly-based** [VSBN19]. **anonymity** [AMQS⁺19, TVV13, WHS⁺18, YHL16, ZLT⁺19]. **anonymization** [KC19a, NK17]. **Anonymizing** [ZLL17a]. **Anonymous** [FHZW18, WWDF18, AIB⁺18, ECE⁺19, LHM14, LYL15, MLC⁺18a, VCD⁺18, YZL⁺18, ZLL⁺19, ZMH⁺18]. **answer** [YLG⁺16]. **Answering** [ZLXZ18, LLYW19]. **Ant** [TA18, FZHH14, SH19, TV16, WZ13, ZHHQ18, PT16]. **anti** [BBH18, CMZ⁺18]. **anti-collision** [CMZ⁺18]. **anti-unification** [BBH18]. **AntiCheetah** [DLMS15]. **Anticipating** [Lea15]. **anxiety** [TCH19]. **AODV** [ASAA18]. **AOFAS** [Bo20, Bo19]. **APA** [JNR12]. **Apache** [CSG⁺18, FPR18, GRZ⁺19, HSV⁺17]. **Apart** [GMM18]. **APHID** [SGKC10]. **API** [BC17, XLL⁺18a]. **APIs** [BBC⁺17, RMJ⁺18]. **Apnea** [DDD⁺19, HJA⁺19]. **App** [PS13, CMVA18, WWH⁺17]. **Appearance** [RSY⁺18]. **appliance** [FTK17, KTKN11, SH19]. **Application** [BB17, BR18, CBC⁺19, CT19c, GEAR13, GRS⁺19, GZZ⁺18, HMH17, KMZJ16, KKK⁺19, KKJJ10, LOR⁺18, LRMS19, MED16, MCRB19, PdASM18, RMDB18, SCL18, SWW⁺13, SCL14, WMBV17, YYW⁺19, ASW11, ANG⁺19, AHP16, AS14, BGC⁺19a, BWR12, BKKM11, CPDJ13, CHJS⁺10, CPE⁺17, Ciu10a, CRB⁺16, CZL⁺18b, CRWZ19, DFGR14, DdM10, GVDT16, GMCM16, GMCM18, HLN11, IG12, IFD⁺19, JNHL18, JEB18, KANS18, KSS19, KOT18, KIJ⁺19, KDG⁺19, KMK⁺14, KKA18, LLES19, LN18, LZL⁺12, LYYW19, LPD⁺13, LBB⁺19, MSM⁺18b, PAL⁺19, PGTBC18, RBN13, RVC16a, RPMG10, SRZD15, SEMJ11, SI18, SSL13, SCJ⁺19a, TDFZ18, TOD17, TMW⁺17, VTTK17, VCL⁺19, WLYL11, WWD⁺14, WSL⁺19, WLH⁺19, XLL⁺14, YSC⁺19, YZWG18, YY11, ZJW⁺14, dCRL⁺19, ABS11, FCD⁺14]. **Application-aware** [RMDB18]. **application-based** [WWD⁺14]. **application-layer** [ZJW⁺14]. **Application-level** [KKK⁺19, LBB⁺19, RPMG10, SRZD15, SEMJ11, SSL13, WLYL11]. **application-specific** [KANS18]. **Applications** [MG18, PN13, RC18, RC19, SZW⁺19, WHW17, ZZLR18, ZYA⁺18, AHS⁺18, APAZ17, AOIS10, ALTG19, AUSA19, ACH⁺11, AKCY⁺17, ABS⁺18, AASI17, AHU⁺19, AHL11, AJY12, AS19b, ACCM19, AB16, BGI14, BKS⁺18, BC15, BC17, BDNP13, CGN18, CGCB⁺12, CVKB12, CTVB12, CVT19, CLCMG⁺18, CPGBC16, CSdCM⁺17, CRVZ15, CA15b, CCL11, CMNK19, CES⁺19, CXL⁺17, CW13a, CGL15, CGSV17, DQC⁺19, DST10, DST14, DRGC⁺19, DMM⁺18, DPL14, EAS⁺18, EAED18, EET18, EMJ⁺13, ECA⁺18, EKGS14, ETR⁺13, FG18, FTP14,

FRM⁺¹⁸, FFC12, Frî14, FM10b, FSP⁺¹⁸, GVURIVBV14, GBS10, GAW⁺¹⁸, GHD19, GHEB⁺¹⁸, GHEB⁺²³, GAJP18, GMD19, GKW⁺¹², GIM16, GIK18, GPS⁺¹⁷, HGG⁺¹⁴, HC17, HMF⁺¹⁹, HPGMM18, HKPT10, HXA⁺¹⁷, HHW11, HSC15, IDCJ11, JOPW14, JP18, JLQ18, JMAG19, JBP⁺¹⁸, KMB16, KWK⁺¹⁸, KK19, KZ14, KC14]. **applications** [KSC⁺¹⁹, Kol18, KMU19, KAS⁺¹⁸, KFK19, KKKM17, KKKM18, LJLW13, LMZ⁺¹⁴, LRYJ17, LTTL19, LWTL19b, LCL14, LZYC13, LZX16, LBB⁺¹⁹, LZHY19, MBB10, MFN13, MAJD18, MZC10, MZL⁺¹⁹, MAD⁺¹⁶, MSM^{+18a}, MDD15, MRL14, MND⁺¹⁹, MMPF19, MMRL17, MVC⁺¹³, NF13, NAGD18, NS10, NLV⁺¹⁹, OWX19, PKY⁺¹⁷, PC17, PRL⁺¹⁹, PMPC13, PVHTP19, QCYJ17, RRS10, RBJ⁺¹³, RMCN⁺¹⁰, RVC16b, dRRRR⁺¹⁸, dRRdQGR⁺¹⁸, RSJ⁺¹⁴, RBC⁺¹⁵, SB19b, SHN10, SBAD⁺¹⁸, SPR⁺¹⁰, SJ18, SNC18, STB⁺¹⁹, SB17b, Sip12, SLSS19, SSKK13, Śle14, SG14, SK19, ŠCJ^{+19b}, SVN10b, TZQ18, TKA^{+18a}, TKTG19, TVB18, TAHS14, TBB⁺¹⁷, TCBC18, TSB18, TGM^{+19b}, TSAER18, URKM19, VCKB12, VETT16, VL19, VSKS19, VRS⁺¹⁹, WYBS11, WTM⁺¹⁷, WJS⁺¹⁸, WY17, WLW⁺¹⁹, WCVL12, WBKL16, WOPW13, WG13, WWT⁺¹⁶, WHYZ17, WPS⁺¹⁸, XYLZ18, XLZ18, XLL^{+19b}, YZC⁺¹⁹, YNSM12, YFY⁺¹³, YWCC18, YJHZ14]. **applications** [YL16, ZME⁺¹⁵, ZZ15, ZCK⁺¹⁵, ZCS⁺¹⁶, ZZZC19, ZHW19, ZSMS18, ZBF14, dSFP⁺¹⁷, dFPFG19]. **applied** [DDJ⁺¹³, MGMT18, SSFFR19, ZPPE17]. **applying** [KNI⁺¹⁸, MSE19]. **Approach** [SAH19, ABZK15, ABDH19, ARP⁺¹⁹, AR18, AIP⁺¹⁹, ACSdRR17, AVPV17, AL18, Ano12r, ASY⁺¹⁸, AB17, AB18c, ABN19, ATX13, AMR18, AMBC19, Bae14, BBD⁺¹⁹, Bal16, BBWB⁺¹⁸, BRXdS11, BFS^{+17a}, BFS^{+17b}, Bel16, BRH18, BMZ10, BRB19a, Bu18, CQW⁺¹⁹, CGCB⁺¹², CWJD19, CCRV13, CA13, CFG⁺¹⁹, Cha11, CES⁺¹⁹, CAL⁺¹⁸, CMP⁺¹⁷, CTU19, CGM⁺¹⁹, DEL19, DHW⁺¹⁷, DA16, DV13, DLDTGMMP16, DMMM11, DC18a, DdM10, DLXR14, DdSdN⁺¹⁹, DPL14, EG18, ECA⁺¹⁸, FTK⁺¹⁴, FJL⁺¹⁶, FEPC18, FPPD14, GHEB⁺¹⁸, GHEB⁺²³, GAJP18, GLD^{+19b}, GNGG17, HO17, HDKC18, HHL11, Ham17, Ham19, HZC10, HLYW17, HSBE19, HHK⁺¹⁶, HFL⁺¹⁹, HZ19, Hua10, HQ10, HHZ16, JLCC12, JS13, KSS11, KZA⁺¹⁸, KTKN11, KKB14, KJI11, KK14, LBD18, LA19, LY17, LJLW13, LXL⁺¹⁷, LPY⁺¹⁸, LYW^{+18a}, LDJL19, LRMS19, LWS⁺¹², LSL⁺¹⁵, LHW⁺¹⁸, LO19, LCCM18, LKJ17]. **approach** [dSMAAdR⁺¹⁷, ML11, MdOO⁺¹⁷, MdMMNS⁺¹⁹, MEBA12, MSBA16, MHZK18, MBL⁺¹⁹, MSS⁺¹⁶, MAB⁺¹⁵, MSM⁺¹³, MMRL17, NSR⁺¹⁹, NS17a, NJH⁺¹⁸, NGB18, NJKH13, OMKM⁺¹⁹, ODC19, PZC19, Pal13, PC17, PNZ14, PSY⁺¹⁹, PVHTP19, PS19, Pon19, PDW⁺¹¹, PPB16, QZD⁺¹⁸, RAKJ18, RGN⁺¹⁸, RDSA18, RLP12, RW18, RWO⁺¹⁹, SSHC19, SBCF16, SSFFR19, SD18, SAM⁺¹⁹, SZ12, SMS14a, SSJ19, SCZ⁺¹⁹, SEPV19, SSI19, SGJ18, SCMS12, SBA⁺¹⁷, SMM⁺¹⁴, SRKS18, SL19, SK19, ŠCJ^{+19b}, SLL⁺¹⁷, SAC11, TM19, TV16, TOS18, TMS⁺¹⁷, TCCW19, UZ11, UPP17, VV16, WN10, WPY19, WXZL11, YAO14, YP12, YZ12, YNLY19, ZBCT17, ZYB⁺¹⁸, ZZJY16, ZWJ⁺¹⁸]. **Approaches** [GTEL⁺¹⁸, ASAAM⁺¹⁹, ALK15, BMU18, CMS⁺¹⁸, CDMR19, EDH⁺¹³, HHS⁺¹⁸, LIH⁺¹⁹, MOFGP18, SSG19, SB11, SNXB17, TAHS14]. **Approaching** [CAC⁺¹⁰]. **approximate** [DK14, FZT⁺¹⁸, GPS13, sGbKS19, SK19, WLW⁺¹⁹, YDQC19]. **approximation** [BTG19, SC16]. **apps** [AMRM18, DC18b, PZC19, WLW⁺¹⁸, WTTH19, HXC⁺¹⁸]. **AppTCP** [WWD⁺¹⁴].

APT [DC18b, ZCW19]. **APTs** [LA19].
AR-RRNS [CBT⁺19]. **arbitrary** [kHsZwJW18, JLL17, VMSRM12].
archaeological [LKK⁺16]. **ArchaeoSTOR** [GML⁺13]. **archeological** [GML⁺13].
Archimedean [TM19]. **Architectural** [KR14, GBMP13, LLES19, LTZ15, QCD16, TZL⁺18, TSOB15]. **Architecture** [ACC⁺19a, CBS17, GLM⁺12, MBMTJR18, PGCML⁺19, SCL18, ZDL⁺13, ZLG⁺14, AdI14, BBC⁺17, BLO⁺18, BCC⁺17, BRH18, BDH14, CJ14, CWW⁺13, CWW⁺16, DVD12, DGCGH⁺17, DJ13, EDH⁺13, FNA11, FRM⁺18, GDJ⁺13, GD10, GIK18, GSY⁺17, HIA18a, HDO16, JYY⁺17, KR19, KS11, KSS19, KB18, LBJ⁺18, LBJ⁺24, LLW⁺12a, LKN⁺13, LFP⁺17, LRC⁺18, LML⁺19, LMA⁺19, LMCSE19, LHBC16, LYH⁺19, MVL⁺18a, MPCAF15, MPF⁺16, MRH17, MRS⁺18a, OBG⁺18, PSW⁺14, PBC⁺11, PPM⁺18, PMLVLS⁺13, PSBB15, RBGA18, RHPV17, RCOP⁺11, SGKC10, SP18b, TSTD16, UKK⁺19, VETT16, VDK12, VFHB14, WZW19b, WSH⁺16, WZ16, XWW19, YÁJG⁺15, YS16, ZMP10].
Architecture-based [ZLG⁺14].
Architectures [DO15, HYZS16, TKRA14, VDTK12, BFP18, BPC⁺14, CA15a, CDG⁺14, CGIP14, CCL11, CPSRG14, DLH⁺17, DDB14, DM12, EBCP18, FFC12, GRCP⁺17, GLJ19, IS18, IGB⁺14, JPB17, LX13, MAC14, MCA⁺18, PSPP16, Pal13, PMCC18, PPPS18, RC18, RC19, SB19c, SCAC⁺19, SMBMT⁺18, dLB10]. **Area** [AS18a, PP10, AL14, GG10, HLYW17, LCBF13, NAGD18, SCS⁺18, ZGV19].
Argumentation [DKFKF18, OAMS18].
ARM [OBG⁺18, RRP⁺14, SGN⁺17].
ARM-based [OBG⁺18, RRP⁺14].
ARMCO [PPB16]. **ARMOR** [MML⁺18].
arranging [GVdBdL15]. **array** [WHZL10, CSV⁺19]. **arrhythmia** [MdMMNS⁺19, SD18]. **arrhythmias** [AFO⁺18]. **arrival** [MRN19, WMLS14]. **art** [CsZzG⁺13, LCC19, SJV⁺15, dCTVC18].
arthritis [YTQ19, YTQ20]. **arthroscopic** [Bo19, Bo20]. **artifact** [KYZ19].
artifact-centric [KYZ19]. **Artificial** [LFY⁺19, SLS⁺19, BZMY10, Che18, CZL⁺18b, GJKP18, HXWW18, HLZ18, KS18c, MGA⁺18, SMS⁺19, XLW⁺17, YZWG18, GKTK15]. **artistic** [UNM⁺16].
as-a-Service [ACC⁺19c]. **ASA** [SCH⁺17].
ASIP [ABF⁺15a]. **Aspect** [MWQ⁺19, MZP⁺19]. **Aspect-based** [MWQ⁺19]. **aspect-level** [MZP⁺19].
aspects [AR18, BBvdB⁺11, CSL18, MZP⁺19, MZC10, QCD16, WM14].
assemblies [RSRA18]. **assess** [FFGP⁺19, Kim18]. **Assessing** [PRL⁺19, SG15, ZGS⁺13]. **Assessment** [FW19, vdPGZ⁺16, AB19a, ABGMC19, AB21, AJ19, ACSV18, BBC⁺17, CCL19, FJA⁺18, GAMC19, KHG⁺18, LCGPC19, LZT⁺19, PRSR14, PB18, PKA19, RHH⁺19, YYS⁺19]. **Asset** [PLL19]. **assets** [GTM19]. **assigning** [HCL⁺17].
assignment [ADBO18, AAM⁺16, DLXR14, FGW⁺19, HYG⁺19, KMT14, KRZ⁺19, LTC12, LXD17, RS17a, TdPF⁺17, VAdIP12, VTTK17, WZM⁺18]. **assistance** [SZD⁺17].
Assistant [VKT⁺19, FGW⁺19, HIA⁺18b, LCMX16, SNC18]. **assisted** [BDS⁺10, CCC19, FKT14, FFL⁺19, HMA⁺18a, HDLW13, JYZ⁺19, LZY⁺19a, LLC14a, LNY⁺18, LYL⁺19, NDA⁺19, RSK16, SJS19, TMB⁺19, VRS⁺19, WXYL15, WXZ⁺18a, ZYZ⁺18, ZWQ⁺19, HLL⁺19, WLML17]. **assisting** [SGRT19].
Assistive [KPG19]. **association** [AVPV17, EBOY14, LHW⁺18, LWZ⁺19b, PGCML⁺19, RAKJ18, XL19, ZDW⁺18].
associations [GJ18, KZCW13].
Associative [HMMW19, SSZ⁺17, CMP⁺17].
assortment [SSHC19]. **assurance** [GSC11, LLW⁺12a, WWRS16, WLW⁺19].
astronomy [LBM18]. **astrophysics** [LKA⁺19]. **asymmetric** [CRYG18].

asynchronous [CCL11, PvSS17, WHCZ18].
asynchronously [SLG⁺17]. **ATLAS**
 [JLRS18, KVR15]. **atmospheric**
 [LN18, PPZ12, WJZ⁺17, ZDL⁺13]. **atom**
 [ZWZ19]. **atomic** [Bag11]. **attack**
 [AQAR⁺18, AAC⁺19, BZHV19, CM17,
 DYY⁺19, DC18a, DCC13, JNHL18, KAW12,
 LSL⁺15, LMM19, NZL⁺15, NAM⁺19,
 SPT⁺18, SCLC19, WLYL11, YWJ⁺18,
 ZCW19]. **attacker** [PLGMCdF18]. **Attacks**
 [JL14, LW19, IDKD19, JCL⁺19, KIAD17,
 KPS18, KdGP⁺19, NNC⁺19, OA17, QKC19,
 SCLC19, SCH⁺17, SSB13, TA18, VS13,
 ZJW⁺14]. **attention** [FJA⁺18, LLT⁺19].
attention-scoring [FJA⁺18]. **attestation**
 [ECE⁺19, GZW18]. **attitudes** [RWY⁺18].
attractor [TZD⁺19]. **Attribute** [CDL18,
 LAL⁺15, LHL15, LWL⁺18, Rao17, SYK⁺17,
 WLXZ18, CIK10, FLT17, FRZ19, GB10,
 HZL18a, HYS17, HYS18, JSMG18, LYL15,
 LDZW19, MWQ⁺14, QRW⁺18, QGT⁺18,
 SMSF18, SCL14, SCZ⁺14, VPP⁺19,
 XZP⁺19, XTZ⁺19, YCT15, ZCL⁺18].
Attribute-Based
 [LAL⁺15, LHL15, Rao17, CDL18, LWL⁺18,
 SYK⁺17, WLXZ18, HZL18a, HYS17, HYS18,
 JSMG18, LYL15, LDZW19, MWQ⁺14,
 QRW⁺18, QGT⁺18, SMSF18, SCZ⁺14,
 VPP⁺19, XZP⁺19, XTZ⁺19, YCT15].
attributes [BFS⁺17a, BFS⁺17b].
attribution [Mil11, NAAC19]. **Auction**
 [ZBL⁺14, IAL10, YLJL18, ZXZL18].
Auction-based [ZBL⁺14]. **audio**
 [BDMO11, LYXT14]. **Auditable** [ED16].
auditing [LYY⁺18, YNY⁺14, YXA⁺16].
auditory [CPP⁺18, YXY18].
augmentation [AGKZ18, GBRM18].
augmented
 [CES⁺19, KMV⁺15, LWZ⁺19a, RMSPP17].
Augmenting [HMZ18]. **August** [Ano19q].
Aura [HHK18]. **AusPlots** [TSTL16].
authenticated [ODK⁺17, OSANAM19,
 PPG19, YZL⁺18, ZXWA18].
Authentication [AMSPL19, ASO14, ABB19b, JLX⁺19,
 AMN18, AMKC19, AHM⁺18, APK⁺18,
 AIM⁺19, Alp18, AKB⁺18a, BK19, BDL⁺19,
 BDM⁺19, BLAN⁺16, CJXX19, CHS11,
 DEL19, ED19, FHZW18, GHD19, GAI⁺18,
 GLB⁺18, Ham19, HZW19, HLC16, HPL⁺19,
 IOV⁺18, JKAU19, KVvE18, KLW⁺16,
 KLW⁺17, LC17, LNK⁺18, LWK⁺18, LW19,
 LHM14, LH13b, LYL15, LNY⁺18, LWF⁺17,
 MCN⁺18, MZL⁺19, PYH⁺18, PLGMCdF18,
 PCK19, SGGCR⁺16, SCS⁺18, SYW17,
 VCD⁺18, Wan18b, WDKV19, WLS⁺18,
 YHL16, ZZY⁺19, ZLY⁺19]. **authenticators**
 [SYY⁺17]. **authoritative** [WMA18].
Authorization
 [KWR⁺13, ABTF16, BPC⁺14, CHC⁺17,
 CZZ⁺18, CBPP18, DLLZ17, GvDbDL15,
 HHD⁺12, LXZ⁺18, PBC⁺11, SBL18].
authorization-security [ABTF16].
authors [AK18a]. **authorship** [AsRA⁺19].
Auto [WLH16, DWS12, EPB18, KTTK17,
 LCL⁺18, LMA⁺19, RSY⁺18, SSI19, TV16,
 dACNC16, vW19]. **auto-encoder** [LCL⁺18].
auto-scaling [DWS12, EPB18, KTTK17,
 LMA⁺19, SSI19, dACNC16]. **auto-tuner**
 [vW19]. **autocorrelation** [DH16].
autoencoder [BR19, UMUB19]. **Automata**
 [TA18, CBBdL16, PRN14, RGAT18].
Automata-based
 [TA18, CBBdL16, RGAT18]. **Automated**
 [AD18, AFO⁺18, Asu13, BGNI19, CPP16,
 FTD17, GACM17, GGTRRC16, GMM18,
 KHO⁺19, LJ17a, LJW⁺19a, NUPA19,
 PKI⁺18, RBGA18, RHKC15, AAF18,
 CsZzG⁺13, COC10, GBRM18, GRS⁺19,
 Hua10, JBR⁺16, LZT⁺19, RSRA18,
 dSSCdL19, YPHZ14]. **Automatic**
 [CMVA18, HWWT12, HAAR⁺19, LLN⁺18,
 MCdA16, XZ14a, ZLZ13, ZSL⁺19b, ZH17,
 AdI14, AMM16, BBH18, DZLA19,
 GMMM18, HLZ⁺19, MDM⁺19, TMDZ15].
Automatically [CHSA18, BCF16].
Automating [XLL⁺18a]. **automation**
 [ACPI19, DVJ⁺15, JBC16, WBKL16,

WTP⁺¹³]. **automaton** [LPY⁺¹⁸]. **automotive** [LXT⁺¹⁹]. **Autonomic** [AHU⁺¹⁹, Erd13, NLV⁺¹⁹, YVCB10, ASAB⁺¹⁸, ENC⁺¹², GAJP18, HCZW17, IGB⁺¹⁴, MSBA16, MTD18, MAB⁺¹⁵, PVN⁺¹², SMP12, TTB⁺¹³, TCR⁺¹², Vin16, ZYW⁺¹⁸]. **Autonomous** [RYH⁺¹⁹, DP19, DP20, DP21a, DP21b, DBS14, FGW⁺¹⁹, PBV⁺¹³, SB19a, TCCC11, YP12]. **AUTOSAR** [KR19]. **autoscaling** [ZTL⁺¹⁹]. **AuTrA** [KJI11]. **AUV** [KKN18]. **AUV-based** [KKN18]. **auxiliary** [Wan19]. **Availability** [NKP16, ASD12, KKAS19, LCH⁺¹⁸, RLP12, TSWL17, VVC⁺¹², WLML17]. **available** [Fri14, GVI13, JSS⁺¹², SB14]. **average** [AMÇ19, NJKF18, YK17]. **average-case** [AMÇ19]. **average-utility** [YK17]. **avoid** [OWX19]. **Avoidance** [SSK⁺¹⁹, Ciu10b, DPK⁺¹⁹, NLS19, ZGL19]. **Aware** [ABTA18, BLO⁺¹⁸, BTP19, JGB19, KIMR15, KV17, RMA⁺¹⁸, SV16, TKA18b, WLL^{+19b}, WDW⁺¹⁹, AHEM17, AGR19, ADAAD12, ARSMY19, ADA⁺¹⁹, AS19b, ALK15, AMR⁺¹⁹, ACCD17, AMT⁺¹², AGA16, AB17, AB18c, ABN19, ACSV18, AC18, AEME⁺¹⁸, BAA⁺¹⁹, BAB12, BPC⁺¹⁴, BCDP12, BRB^{+19b}, BMK^{+14b}, BCR⁺¹², CXZ⁺¹⁹, CCIP18, CBC⁺¹⁹, CCCT14, CHY⁺¹⁸, DWJM18, DPK⁺¹⁹, DKV14, DFG⁺¹⁹, DDD18, DSBC19, DA18, DCF19, DCMW17, EMHE18, FG18, FKT14, GMMM18, GJGB19, GHD19, GDJ⁺¹³, GJ15, GD10, GS16b, GKTK15, GBKJ18, HGG⁺¹⁴, HCMJ19, HNKÖ18, HCJ14, HH19, HSC15, HZ19, HBN⁺¹³, JGFB18, JLQ⁺¹⁷, JNR12, JLD⁺¹⁹, JEB18, KMB16, KS18a, KANS18, KSF⁺¹³, KRJ⁺¹⁹, KCS14, KKW⁺¹⁴, KBB⁺¹⁶, KIC12, LTC12, LLC14a, LPK17, LPK18, LGY⁺¹⁶, LYYY18, LJGW18, LAQ⁺¹⁹, LWS⁺¹², Lok12, MCL⁺¹⁶, MHC14, MBM18, MHZK18, MQL⁺¹⁹, MPR⁺¹⁶]. **aware** [MBA19, MMPF19, NKB19, NK15, NSSA⁺¹⁴, NJ16, PP10, PC18a, PLZX19, PFPJ18, PNZ14, PAB⁺¹⁴, PRC⁺¹⁴, PSW⁺¹⁹, Qur19, RMRSA19, RMDB18, SSG19, SC16, SHRE16, SDTA19, SAK19, SCY⁺¹⁸, SMG18, SSSJ19a, SRN⁺¹⁸, SK19, SSSJ19b, SCCS11, SCH⁺¹⁷, SSP17, SLY⁺¹⁹, SGL⁺¹⁹, TKR⁺¹⁵, TCCC11, TCR⁺¹², TuS⁺¹⁹, UGBM⁺¹⁷, UdvdW⁺¹⁸, VNAMM19, VDTK12, VPT⁺¹⁵, VGC⁺¹³, WKC⁺¹³, WWC14, WCC⁺¹⁶, WLZ⁺¹⁶, WZZ16, WWQ⁺¹⁸, WCH⁺¹⁸, WSZC18, WZM⁺¹⁸, WPY19, WWZ⁺¹⁹, WS10, WZ13, WYH⁺¹⁷, WZS⁺¹⁸, XDH⁺¹⁷, X CZ⁺¹⁹, YIA17, YCX18, ZMTT16, ZL13, ZME⁺¹⁵, ZHHC17, ZGL⁺¹⁸, ZWS⁺¹², ZSL^{+19a}, ZSGJ19, ZQB⁺¹⁸, ZZLH18, ZAC⁺¹⁸, ZFH⁺¹⁸, ZTD⁺¹⁸, ZWYH19, dSGD19, dACAM13, KC14]. **awareness** [AL14, ABF^{+15b}, GRTV10, LCL14, RR18, SHBP10, WSC⁺¹⁹, XFTZ16, ZRZR19]. **AWS** [GAMC19].

B [WWT⁺¹⁶]. **B.A.T.M.A.N.** [DCBF19]. **B.A.T.M.A.N.-based** [DCBF19]. **Back** [SKS⁺¹⁸, CWSW14]. **back-end** [CWSW14]. **backbone** [ZJW⁺¹⁴]. **Background** [LXT⁺¹⁹, TWZP18, HCC⁺¹⁴, YPHZ14]. **backhaul** [WCW18]. **backup** [PJDO13, WZZ16]. **backward** [NJB19]. **Bacteria** [VR12]. **Bacterial** [RC13]. **bad** [TWG⁺¹⁹]. **bag** [APAZ17, CLRL17, CA15b, GGS13, MVC⁺¹³, TVB18]. **bag-of-task** [CLRL17, MVC⁺¹³, TVB18]. **bag-of-tasks** [APAZ17, CA15b, GGS13]. **bagging** [ArMS19]. **balance** [CWW⁺¹⁶, DXL⁺¹⁸]. **balanced** [AS18a, CTR⁺¹⁷, CFH⁺¹⁹, DC19, SDTA19, WWT⁺¹⁶, YWCC18]. **Balancing** [GXL⁺¹⁸, LCZR12, MD12, AA18, HLW12, IS18, KRZ12, LZXW13, LN18, LYH⁺¹⁹, MKM11, PZA18, PRC⁺¹⁴, SMG18, SJTN18, SLH⁺¹⁹, TZLL18, WCF⁺¹⁵, ZGB⁺¹⁷, ZFC17, ZFC18]. **band** [SYCH18, VAdP12, WYJ⁺¹⁹, WGX⁺¹⁹]. **bands** [SLH⁺¹⁹]. **Bandwidth** [XDH⁺¹⁷, AHP16, AHP⁺¹⁸, KWK16,

WLP10, WQG15]. **Bandwidth-aware** [XDH⁺17]. **Bank** [WY17, NUPA19, YW12]. **banking** [KVvE18]. **BANs** [BLL⁺19]. **Barrier** [WPJ16]. **barter** [SM10]. **bartering** [GBRM18, ZA13]. **Base** [BBCN18, Cha15]. **Based** [GBY16, GGC18, HXA⁺17, LAL⁺15, LHL15, ML17, RRKA19, Rao17, SME⁺21, Sar18a, ST11, SCH⁺17, YG18, AD18, ABZK15, AMN18, ABMESM18, ABMMC18, ABM19, ABMMC22, ANA16, AJY15a, AA18, ARP⁺19, AJR⁺19, APRC16, AKP⁺18, ANG⁺19, AJ19, AAAQJ⁺18, ADAAD12, AASI17, ABB⁺19a, AAQ⁺19, ARP14, ASO14, AIA⁺18a, AIM⁺19, ACHP19, ATdC⁺16, ADH⁺16, AK14, ACMM19, AAM⁺19, AMKM18, ABF⁺15a, ASAA18, AMT⁺12, ACCM19, AKG⁺17, AB16, AMPZ16, AZO⁺19, AM19a, ACPI19, BK19, BAJ⁺19, BDE17, BBC⁺17, BG12, Bae14, BBD⁺19, BRL19, BKB11, BDP11a, BAKB19, BDL⁺19, BARMB14, BFP18, BDM⁺19, BBT19, BCdV⁺19, BRH18, BBC⁺12, BMU18, BW13, BT17, BGMLS17, Bu18, BW19, CT19a, CSV⁺12, CMZ⁺12, CEP19a, CLRL17, CQW⁺19, CAC⁺10, CLZ18, CLL⁺18a, CPP⁺18, CPD⁺15, CPE⁺17, CFL⁺15, CLL18b, CXZC18, CMI⁺19, CES⁺19, CCS⁺10, CLL⁺14]. **based** [CYZK15, CWJ16, CJG⁺18, CLH⁺18, CLR18, CRYG18, CZH⁺18, CZZ⁺18, CLC⁺19, CT19c, CLS19a, CYJ19, CZ19, CGZL19, CXWT19, CLS⁺19b, CJS19, CMP⁺17, CWL⁺19, CS12, CB10, CGSJ18, CGSV17, CLK11, CFF14, CDL18, CMZ⁺18, CZL⁺18b, CWLZ19, CRWZ19, CRTN17, CBBdL16, DQC⁺19, DZZ⁺15, DJZ⁺15, DCBF19, DDD⁺19, DRGC⁺19, DMPP16, DNJG17, DLDTGMMP16, DA18, DMMM11, DdM10, DLS⁺12, DNW⁺19, DCC13, DKFKF18, DdSdN⁺19, DZLA19, DK14, DNP14, ELAEAVAM19, EAA16, EBOY14, EMJ⁺13, EPB18, EA17, FTK⁺14, FG18, FH13, FHYH15, FLT17, FCY18, FSY⁺19, FJA⁺18, FSM⁺18a, FJJ⁺18, FMV14, FSV⁺19, FHZW18, FY19, FW19, FAL⁺19, Fer13, FEPC18, FTD17, FFC12, FKOC11, FWB13b, FA11b, FTH16, FPP⁺18, FM10b, FSP⁺18, GAFFOG12, GHY⁺18, GAW⁺18, GSC11, GDJ⁺13, GA13, GSLI12, GAJP18, GS15, GCK18, GJF⁺12, GCCL18, GCTLA⁺19, GPJC17, GB10, GPV⁺14]. **based** [GP11, GMP⁺17, GIK18, sGbKS19, GSR⁺19, GPVN19, GGMS18, GGS13, HAJ⁺19, HIA18a, HO17, HDKC18, HHL11, HKA⁺18, Ham19, HZW19, HSM13, HPZL18, HZL18a, HLL18, HLH⁺18, HZW⁺18, HLW12, HUY⁺19, HJA⁺19, HAP15, HDO16, HAT19, HHM⁺19, HLYW17, HNKÖ18, HSBE19, HCZW17, HHW⁺19, HHK⁺16, HIA⁺18b, HMC19, HZL18b, HLL⁺11, HMW14, HLC16, HDH⁺18, HZZ⁺18, HMW⁺19, HZ10, HZM14, HYS17, HCW⁺18, HYS18, HXC⁺18, HYF18, HAA⁺16, HSS17, HKG⁺16, HHS⁺18, IASK14, IS18, IOV⁺18, IFD⁺19, ISS⁺15, IdAP19, JKAU19, JCMPPC⁺18, JGFB18, JGB19, JXC⁺19, JH16, JHC18, JL14, JLS19, JLQZ18, JFZL17, JSMG18, JLY⁺18, JTL⁺19, JLX⁺19, JXZ⁺19, JCL⁺19, JEB18, Jun18, KZA⁺18, KNI⁺18, KMB⁺17, KVK⁺18, KKN18, KRD⁺19, KKB14, KSS19, KH19, KHMB13, KOT18, KZA11, KKB⁺19, KRZ12, KID⁺16, Kim18, KPJ19, KDG⁺19, KSC⁺19, KGS⁺19, KX11, KXS⁺16]. **based** [KLJS19, KARP14, KMK⁺14, KS17b, KCH⁺13, KB16, KLV⁺18, KLW⁺17, KP18, LBD18, LCH⁺11, LLYW19, LA19, LLpC12, LJ17a, LKCS18, LY18a, LCL⁺19, LJ17b, LBJ⁺18, LBJ⁺24, LYJ10, Li10, LK12, LZXW13, LCL⁺16, LLC⁺16, LSZ⁺16, LYYY17, LZL⁺17, LFL⁺17, LXL⁺17, LCW⁺18, LYYY18, LOR⁺18, LZP⁺18, LYW⁺18a, LJJ18, LNK⁺18, LWK⁺18, LZY⁺19b, LZZ19, LTMW19, LSCL19, LXRS19, LLZ⁺19, LZH⁺18, LZT⁺19, LZL⁺19a, LLL⁺19, LLW⁺19b, LSYC18, LN18, LXMW15, LWH⁺18, LNLA19,

LRMS19, LSH⁺¹¹, LLJ⁺¹¹, LWX13, LC13, LLS⁺¹⁴, LvW14, LYL15, LCMX16, LWL⁺¹⁸, LDS⁺¹⁸, LSL⁺¹⁸, LXM⁺¹⁸, LWYS18, LCH⁺¹⁸, LHW⁺¹⁸, LLGY18, LW18b, LNY⁺¹⁸, LGZY18, LXT⁺¹⁹, LMM19, LWXY19, LZJL19, LDZW19, LMCSE19, LBU⁺¹⁰, LKJ17, LWW⁺¹³, LL16, LWF⁺¹⁷, LQF19, LWR⁺¹⁹, LZ⁺¹⁶, LYH⁺¹⁹, LWZ^{+19b}, LCY^{+19b}, LHY⁺¹⁹, LZWF19, MWQ⁺¹⁴, MML⁺¹⁸, MWL18a, MYHZ18, MWQ⁺¹⁹, MFC⁺¹⁹, MSS⁺¹³, MJM⁺¹⁶, MCN⁺¹⁸, MLC^{+18a}, MK17, MBB10, MHC14, MLC18b, MCT⁺¹⁵, MBM18, MGV⁺¹⁸, MHdlS19]. **based** [MS19, MDB^{+18b}, MSBA16, MPI⁺¹⁸, MLM16, MHZK18, MZL⁺¹⁹, MQL⁺¹⁹, MÉR17, MBL⁺¹⁹, MZYA19, MLW^{+18b}, MJRM16, MGA⁺¹⁸, MCdA16, MSE19, MAPA19, MDM⁺¹⁹, MYK16, MND⁺¹⁹, MW12, MWMA10, MCG⁺¹⁵, MRS18b, NSR⁺¹⁹, NV11, NNRA19, NRV⁺¹⁷, NCS12, NS10, NK18, NGB18, NLM⁺¹⁶, NUPA19, NZL⁺¹⁵, NJKH13, NLS19, NAAC19, NAM⁺¹⁹, NLV⁺¹⁹, OdOD⁺¹³, OMPSPL⁺¹⁹, OMD⁺¹⁸, OBG⁺¹⁸, OB19, PZC19, PYH⁺¹⁸, PNGFJ13, PBV⁺¹³, PFRC16, PC18a, PVGD⁺¹⁹, PS10, PKY⁺¹⁷, PC17, PWP⁺¹⁸, PLW⁺¹⁹, PBC⁺¹¹, PMCC18, PGCML⁺¹⁹, PLGMCdF18, PCK19, PAB⁺¹⁴, PQBP17, PSY⁺¹⁹, PVHTP19, PS19, PTT12, PPS⁺¹⁸, PB18, PSBB15, PSK⁺¹⁰, PKA19, QZD⁺¹⁸, QRW⁺¹⁸, QGT⁺¹⁸, QZM⁺¹⁸, QCY⁺¹⁹, Qur19, RCM17, RQN⁺¹⁹, RBA17, RGAT18, RYH⁺¹⁹, RDSA18, RC13, RRP⁺¹⁴, RGGH18, RT15, RS17a, RD14, RJS⁺¹⁹, RSY⁺¹⁸, RGM⁺¹⁹, RGSL18, RCMT18, RW18, RM19]. **based** [RCTY19, SR12, SSHC19, SMF⁺¹⁹, SME⁺¹⁹, SCL18, SPT⁺¹⁸, SC19, SLTK19, SS13, SB19a, SAGL10, SGGCR⁺¹⁶, SGRT19, SYJ^{+19a}, SYJ^{+19b}, SHS⁺¹⁹, SMC18, SD18, SAM⁺¹⁹, SJR13, SSST17, SZ12, STA17a, SP18b, SRP19, SBLW14, SYT⁺¹⁹, SHL^{+19a}, SJ19, SSL⁺¹⁹, SCZ⁺¹⁹, SMSF18, SH19, SS17, SB17a, SGB⁺¹⁸, SB18, SGBK19, SSKK13, SCN⁺¹⁴, SIL⁺¹³, SAPA17, SCL14, SCMS12, SMM⁺¹⁴, SLS⁺¹⁹, SKS17, SZD⁺¹⁷, SM18, SYK⁺¹⁷, ŠCJ^{+19b}, SSSJ19b, SCZ⁺¹⁴, SBK18, SMZ⁺¹⁶, SSZ⁺¹⁷, SLL⁺¹⁷, SLD⁺¹⁸, SZR18, SJL⁺¹⁸, SCH⁺¹⁹, TTC⁺¹⁴, TX14, TF18, TJWS10, TOD17, TZL⁺¹⁸, TMB⁺¹⁹, TM19, TNY17, TMM⁺¹³, TKA^{+18a}, TA18, TY11, TMDZ15, TZD⁺¹⁹, TCR⁺¹², TYWZ18, TCCW19, TIHT14, Tur18, URC19, UGBM⁺¹⁷, UPP17, VVB11, VTTK17, VPP⁺¹⁹, VSKS19, VCL⁺¹⁹, VSBN19, VOCHC17, VKK14, VKT⁺¹⁹, WWX⁺¹⁷, WCHL10, WW11, WLYL11, WWCN13, WWD⁺¹⁴, WLZ⁺¹⁴, WZZ16, WMX⁺¹⁷]. **based** [WWVJ17, WRCC17, WCL^{+17b}, WWDF18, WZH⁺¹⁸, WCB⁺¹⁸, Wan18a, WJS⁺¹⁸, WHCZ18, WWZZ18, WCW18, WZWC18, WWSL19, WLL^{+19a}, WGC19, WDZ19, WY17, WZL18, WMA18, WZ18, WFQ⁺¹⁰, WW13, WZ13, WYH⁺¹⁷, WZCH17, WLXZ18, WPS⁺¹⁸, WZML18, WWZ18, WWA19, WLZ⁺¹⁹, WHCW19, WSY⁺¹⁹, WBR19, XTL⁺¹⁹, XFJ⁺¹⁹, XHW19, XWJ⁺¹⁶, XKBA18, XZW⁺¹⁹, XKJ⁺¹⁸, XCGD10, XL19, XZZ⁺¹⁹, XZP⁺¹⁹, XLL⁺¹⁴, XZ14b, XY15, XWL⁺¹⁵, XZ16, XFM16, XWX⁺¹⁷, XRPT18, XTT18, XZZ⁺¹⁸, XJY⁺¹⁸, XTZ⁺¹⁹, XLL^{+19b}, XHL⁺¹⁹, XXX⁺¹⁹, XLL^{+19c}, XJZ⁺¹⁹, XCZ⁺¹⁹, YMLT13, YAO14, YMW⁺¹⁸, YWJ⁺¹⁹, YFY⁺¹³, YZLQ14, YWL⁺¹⁷, YLWW18, YJS18, YZW⁺¹⁸, YWZ⁺¹⁸, YXA⁺¹⁸, YWJ⁺¹⁸, YJY⁺¹⁸, YZL⁺¹⁹, YHL⁺¹⁹, YLL⁺¹⁹, YCT15, YSZW18, YARH18, YPJ19, YW12, YP12, YN18, YXY18, YS16, YZ12, YSL19, YPHZ14, YXA⁺¹⁶, YWY⁺¹⁷, YL18, YGY⁺¹⁹, YJL⁺¹⁹, YWF⁺¹⁰, YMY⁺¹⁷, YDQC19, YL16, ZF16, ZRZL18, ZSJ19, ZXW19, ZZF⁺¹⁹, ZA13, ZWL13, ZSZ14, ZZH⁺¹⁶, ZWHC17, ZCH⁺¹⁷, ZCX⁺¹⁸, ZCLW18, ZHL⁺¹⁸, ZXL⁺¹⁸]. **based**

[ZXZL18, ZZXL18, ZWWL18, ZZBP19, ZXM⁺19, ZLT⁺19, ZZZC19, ZTL⁺19, ZZJY16, ZYC⁺19, ZDL⁺19, ZBL⁺14, ZLG⁺14, ZLL⁺16, ZCZ⁺18, ZFC17, ZFC18, ZWX⁺19, ZC14, ZDW⁺16, ZCDV19, ZLY⁺19, ZZS⁺19, ZWJ19b, ZRZ⁺14, ZaTZ⁺17, ZL18, Zhu18, ZWGC19, ZMN19, ZCW19, ZDW⁺18, ZWMC19, dSBN19, KK19, ASAAM⁺19, KKK⁺19, PMDS18]. **based-wireless** [HKA⁺18]. **bases** [ABTF16, GZS14]. **basis** [TSBH11]. **Bat** [Zin18]. **Batch** [SS13, WSQ⁺16, AQB15, GZQ⁺19, JLL17, SVN10b, TF18, VCD⁺18, WWZ⁺19]. **batch-oriented** [AQB15]. **batching** [LZCX19]. **battery** [CFMC19]. **battlefield** [WSZC18]. **Bayesian** [CFL⁺15, CAPG18, KIMR15, LYYY17, TAHS14, WWA19, ZSGJ19, ZCW19]. **BC** [DKJ19]. **BCN** [ESPN17]. **BDEv** [VEET18]. **BDP** [PPA18]. **BDWatchdog** [EET18]. **be** [SOA17, WWG⁺19b]. **Beaconing** [YLWW18]. **bearing** [CRWZ19, RCW⁺19]. **BECloud** [Bel16]. **Bee** [HLZ18, CZL⁺18b, HXWW18, SMS⁺19, XLW⁺17]. **BeeCup** [XZZ⁺14]. **before** [MAJD18]. **Behavior** [CJHH13, BDWM17, CMEA⁺19, CYW⁺19, FFGP⁺19, FM10b, LRJG19, Lee12, LNB14, LJW⁺19b, NLLC19, RWV⁺13, SHRE16, SZ12, TIHT14, WSU⁺10, WWH⁺17, YHH⁺19, ZCZ⁺18, ZWJ19b]. **behavioral** [CPP⁺18, CWJ16, CT19c, KYZ19, KMK⁺14, NJ17, SBCF16, SSA⁺19, WNR19]. **behavioral-based** [KMK⁺14]. **behaviors** [ABD⁺19, WTG⁺14]. **behaviour** [HIA⁺18c, PRW14]. **Behavioural** [RT16, HAAR⁺19, PLLA18, PLA18]. **Behind** [DMZ12]. **Belief** [AZO⁺19, KLJS19]. **belt** [TTC⁺14]. **benchmark** [ABG18, ZYB⁺18]. **Benchmarking** [DFGR14, GVDT16, MMLO18, PPPS18, SZV19, TDBR18, Wri19, CCD⁺10, ECA⁺18, LSB⁺18, TZQ18]. **benchmarks** [GMB19]. **Benders** [FBM19]. **benefit** [MEBA12, SC16]. **benefit-aware** [SC16]. **benefits** [KK14, PNGFJ13, SC19, VVB11]. **benign** [WLW⁺18]. **Best** [KZ17, KS19]. **beta** [DJH⁺19]. **better** [FTD17, MÉR17]. **between** [BFP18, BDA19, BCF16, DGCGH⁺17, HA18, LZCX19, LZL⁺16, MFL18, NJKF18, PWP⁺18, XLZ⁺14, YAO14, YZW⁺18, YTQ19, YTQ20]. **betweenness** [MBM18, MCSA18]. **Beyond** [KSK⁺11, LWW⁺13, PN13, Eng14, KDHP16, RR18]. **BG** [ABG18]. **BGP** [IGB⁺14]. **BGP-inspired** [IGB⁺14]. **BGQoS** [AJY15b]. **BHR** [ST11]. **Bi** [ABS⁺18, CGSJ18, WWC14, ZZH⁺16]. **Bi-directional** [ABS⁺18]. **bi-level** [WWC14, ZZH⁺16]. **bi-objective** [CGSJ18]. **biased** [PdASM18, ZSFZ19]. **Bicycle** [ZMN19, ZWQ⁺19]. **bidding** [WCHL10]. **bidding-based** [WCHL10]. **Bidirectional** [MAÇ17, WHBC19]. **Big** [AAA⁺19, ASYF18, BA17, BAJ⁺19, CMEA⁺19, CCRL18, DP20, DP21a, DP21b, EET18, GBB18, JGFB18, Jun17, KS17a, KPB18, KLH⁺18, LIC18, MGL⁺18, NNLH18, PN13, PPA18, RPA⁺18, SNXB17, SCG⁺18, VEET18, WSQ⁺18, WRK⁺15, WJS⁺18, WXGM18, YDD⁺18, YZI18, ZCYZ18, ABD⁺19, ATH⁺19, ATM⁺19, ACSV18, BGI14, Bha18, Bu18, CQW⁺19, CGIP14, CCMP18, CZXL18, CRYG18, CZZ⁺18, CLS19a, CDB⁺19, CSQL17, DJPM18, DP19, DQXW19, DXL⁺18, DZLA19, EAS⁺18, FRM⁺18, FS18, GQLX18, GLC19, GBY16, GSY⁺17, HPGMM18, HZDS19, Hsu14, kHsZwJW18, HZ19, HHZ16, HXL⁺18, IAM⁺18, JH16, JHC18, JLC18, KOP⁺17, KP18, LFP⁺17, LLZ⁺18a, LZH⁺18, LJ19b, LWH⁺18, LYZC15, LSHW17, LHW⁺18, LWR⁺19, MWW⁺15, MLC18b, MVL⁺18a, MPCAFA15, MGMT18, NJ17, OFD17, Osm19, PFRC16, PvSS17, PYM18, PPPS18, QGX18, QCX18,

RTHB17, SZV19, SB17a, SBA⁺¹⁷, SBD⁺¹⁸, SZD⁺¹⁷, SSZ⁺¹⁷, SJSA19, TZQ18, TF18]. **big** [TBR⁺¹⁹, TWZP18, WXPL17, WMY⁺¹⁸, WZW19b, WLHH18, XB14, XFM16, XLL^{+19a}, XTF⁺¹⁹, YWCC18, YZG⁺¹⁸, YWLL19, YSHM19, ZYB⁺¹⁸, ZFS⁺¹⁸, ZHL⁺¹⁸, ZWZ18, ZQB⁺¹⁸, Zhu18, uRYS⁺¹⁹, PPS⁺¹⁸, AKP⁺¹⁸, BBD⁺¹⁹, CRW⁺¹⁶, CW16, DX14, GS16a, KKAS19, MCR⁺¹⁶, Sha16, ZS16]. **big-data** [BGI14, ZYB⁺¹⁸, ZQB⁺¹⁸]. **Bigdata** [WLZ⁺¹⁹]. **BigFCM** [GGN17]. **BigFlow** [VSBN19]. **BIGSEA** [AAA⁺¹⁹]. **bike** [TCH19]. **bile** [HZX⁺¹⁹, HZX⁺²⁰]. **bilinear** [ZZ15]. **bill** [MD12]. **billing** [MK17]. **billion** [CCZ⁺¹⁹]. **billion-scale** [CCZ⁺¹⁹]. **Bin** [BB17, LZCX19, MAA⁺¹⁹, SK12]. **bin-packing** [LZCX19]. **Binary** [GK18, SBCF16, HXWW18, JLS19, SMS⁺¹⁹]. **binding** [MLL15, MMVS19, MLBS11]. **Bio** [FM10a, KR19, Kim18, PMBS14, XZZ⁺¹⁴, ZYW⁺¹⁸]. **Bio-inspired** [FM10a, XZZ⁺¹⁴, ZYW⁺¹⁸]. **bio-medical** [PMBS14]. **bio-security** [KR19]. **bio-signal-processing** [Kim18]. **biochemical** [HZX⁺¹⁹, HZX⁺²⁰]. **BioClimate** [FEB⁺¹⁹]. **biocollections** [MMF16]. **Biodiversity** [FEB⁺¹⁹]. **biofeedback** [BDE17, KMU19]. **biogeography** [ZLL⁺¹⁶]. **biogeography-based** [ZLL⁺¹⁶]. **Bioinformatics** [DP17, CRSdS10, EDH⁺¹³, KTTK17, MMC⁺¹⁸, SBAD⁺¹⁸]. **Bioinspired** [CCMGF18, CLCMG⁺¹⁸]. **biological** [PB17, SWW⁺¹³]. **biology** [CSdCM⁺¹⁷]. **biomarker** [WZH⁺¹⁹]. **Biomedical** [CRSdS10, AIA^{+18b}, CMD⁺¹⁴, DMPP16, DZLA19, KTTK17]. **Biometric** [Alp18, BCN⁺¹⁹, BDM⁺¹⁹, KHMB13, AHM⁺¹⁸, BK19, BWR12, CCL19, DEL19, GEAR13, Ham19, KZA11, LTJK12, LK12, NWMG17, Sar18a]. **Biometric-based** [BDM⁺¹⁹]. **Biometrics** [BW13, FFC12, AGBR19, FHZW18, Kha12, KS18d, KLW⁺¹⁷, LNK⁺¹⁸, TA19]. **Biometrics-based** [FFC12, FHZW18, KLW⁺¹⁷]. **biopsy** [BDS⁺¹⁰]. **bipartite** [QGX18, TJ18]. **birth** [PSI19]. **bit** [KHJ10, YFY⁺¹³]. **bit-rate** [KHJ10]. **bit-store** [YFY⁺¹³]. **Bitcoin** [HCW⁺¹⁸, HS19, VSM⁺¹⁹, WLGL19, ZMH⁺¹⁸]. **Bitcoin-based** [HCW⁺¹⁸]. **bitmap** [CH10]. **bitonic** [GDAS18]. **BitTorrent** [AY16, WSU⁺¹⁰, WLQ10]. **Black** [VVB13b, CCL19]. **blackbox** [CLL⁺¹⁴]. **blackbox-oriented** [CLL⁺¹⁴]. **blacklisting** [OWX19]. **Blanc** [OBG⁺¹⁸]. **blank** [FZT⁺¹⁸]. **blind** [CJS19, LLW^{+19a}, ZaTZ⁺¹⁷]. **Block** [HS19, CLR18, MHY⁺¹⁸, RP18, YLL⁺¹⁹, ZSW^{+18a}]. **Blockchain** [CLC⁺¹⁹, MJGW18, SP18b, SSSJ19b, ABB^{+19a}, Che18, CLS19a, CLS^{+19b}, DKJ19, FSY⁺¹⁹, FY19, IFD⁺¹⁹, JLX⁺¹⁹, KS18b, KGS⁺¹⁹, LBJ⁺¹⁸, LBJ⁺²⁴, LML⁺¹⁹, LXL⁺¹⁹, MKS⁺¹⁹, MQN19, QNM⁺¹⁹, RMC⁺¹⁸, SI19, SSL⁺¹⁹, Sko19, URC19, XLL^{+19b}, YZL⁺¹⁹, ZWX⁺¹⁹, ZWGC19]. **blockchain-aided** [Sko19]. **Blockchain-based** [SSSJ19b, FSY⁺¹⁹, IFD⁺¹⁹, JLX⁺¹⁹, XLL^{+19b}, YZL⁺¹⁹, ZWGC19]. **blockchained** [LTMW19]. **blockchains** [HZLH19]. **Blog** [CC19, ZWWL18]. **blood** [QXZ⁺¹⁹, RAA⁺¹⁹]. **blood-cooling** [QXZ⁺¹⁹]. **bloom** [ZL13, ML17, SGB⁺¹⁸]. **Blue** [KBVH14]. **blueprint** [JYY⁺¹⁷]. **Board** [Ano19b, Ano19c, Ano19d, JBP⁺¹⁸, 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, Ano18m, Ano18n, Ano18o, Ano18p, Ano19a, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j].

Body [AS18a, FPPD14, ASO14, AKM18, CJ14, FP14, HLYW17, IASK14, SCS⁺¹⁸, THA⁺¹⁷].

body-sensor [ASO14]. **BodyCloud** [FPPD14]. **BOINC** [FKBG10, VKK14].

bone [LZT⁺¹⁹, YTQ19, YTQ20].

BonFIRE [GCV⁺¹⁴]. **Boosting** [CPW19, GCBM17, KMV⁺¹⁵, MWYC12, LMCSE19].

booting [SPSP17]. **bootstrap** [DDJ⁺¹³].

bootstrapping [PGCML⁺¹⁹]. **borne** [SM18]. **Bot** [KMST19]. **Bot-IoT** [KMST19]. **botnet** [KMST19]. **Bound** [MGMT18, BMT12, VD16]. **Boundary** [AS18b]. **bounding** [PYH⁺¹⁸]. **bounds** [LSG18]. **box** [CCL19, CSG⁺¹⁸, VVB13b, ZSW^{+18a}].

BPM [SJV⁺¹⁵]. **BPMN** [GHLW18].

BPSO [KP18]. **brain** [ABS⁺¹⁸, ASYF18, DSM⁺¹⁹, GRS⁺¹⁹].

brain-computer [ABS⁺¹⁸]. **Branch** [MGMT18, PGCC⁺¹⁰, BMT12, WZF⁺¹⁹, VD16]. **Branch-and-Bound** [MGMT18, VD16]. **breaches** [NAM⁺¹⁹].

Breast [SYT⁺¹⁹, KIJ⁺¹⁹, WZH⁺¹⁹].

BRelax [SSG17]. **bridge** [SB16]. **Bridging** [Bha18, DHC⁺¹⁷, NJKF18, SG17, KH19, dCRL⁺¹⁹]. **brighter** [SM10]. **Bro** [KBdLG18]. **broadcast** [HZ10, WSQ⁺¹⁸, WDZ19, XZP⁺¹⁹].

broadcasting [LRZ⁺¹⁸, YY11]. **Broker** [AWN⁺¹³, BS11, FA11b, MSBA16, MGG⁺¹⁷, PKY⁺¹⁷, RGC⁺¹⁰, SAK⁺¹⁰].

brokerage [CCIP18, OG18]. **Brokered** [BB17]. **Brokering** [ACCD17, CS12, TMMVL12]. **Brownian** [GK18]. **browsers** [AAI⁺¹⁹]. **browsing** [FD12]. **BTEM** [AZO⁺¹⁹]. **budget** [ABP16, CXL⁺¹⁷, WWT⁺¹⁶].

budget-deadline [ABP16]. **buffer** [SCH⁺¹⁹]. **Buffers** [YZI18, dSCD⁺¹⁹].

build [BRXdS11, RAdARP19]. **Building** [BH13, FKOC11, HLT⁺¹⁸, KTTK17, PWB⁺¹³, RR18, dVXB⁺¹¹, ABMM18, HSS17, LRL⁺¹⁴, LCY19a, PVHTP19].

buildings [PPS⁺¹⁸]. **built** [GZS14]. **Bulk** [GGLD10, dRRdQGR⁺¹⁸].

Bulk-Synchronous [dRRdQGR⁺¹⁸].

Bumper [DR15]. **Burst** [YZI18, KK10b, ZCS⁺¹⁶, dSCD⁺¹⁹]. **bursty** [GHMX10, TCBPR16]. **Bus** [HHXL13, CCC19]. **bus-assisted** [CCC19].

bushfire [GAW⁺¹⁸]. **Business** [AJY15b, ACC⁺¹⁶, BGRBA19, Cha14a, DDMPG17, FG14, JC15, QCD16, SJV⁺¹⁵, BBT19, Cha14b, CKR16, CYJ19, KYZ19, LCCM18, MCL⁺¹⁶, MVG⁺¹⁴, MAB⁺¹⁵, MCWP16, WBR19, YNSM12, YJL⁺¹⁹, ZCX⁺¹⁸].

Business-driven [FG14].

business-oriented [YNSM12].

c [DNW⁺¹⁹, BEWZ10, MDT⁺¹⁸]. **cache** [CXC⁺¹⁸, DZZ⁺¹⁵, HCZW17, LTTL19, MVL18b, PRS⁺¹³, Tao10, ZWL⁺¹⁶, ZCQ⁺¹⁶]. **caches** [YDT19]. **caching** [CXC⁺¹⁸, CdRRdCB19, GSP⁺¹⁷, HMA18b, LW18a, LSG⁺¹⁹, RHMGC14, TGM^{+19a}, XWX⁺¹⁷, ZCLW18, ZLT⁺¹⁹]. **CAD** [LHY⁺¹⁹]. **Calculating** [SSRQ19, YAA⁺¹⁹].

calculations [ML11, RMHMG17]. **calculus** [KAP19]. **calendar** [YSL19].

calendar-based [YSL19]. **calendaring** [AHP⁺¹⁸]. **Calibers** [AHP⁺¹⁸].

calibration [HLZ18, JCA⁺¹⁹]. **calls** [PZC19]. **calm** [SCH⁺¹⁹]. **CalmWPC** [SCH⁺¹⁹]. **camera** [GWW⁺¹⁹, YJS18].

CAMP [HRR⁺¹⁴]. **campus** [GLD^{+19a}, MFG⁺¹⁴]. **CAN** [KR19].

cancer [ABM19, JLC⁺²⁰, KMK⁺¹⁹, KIJ⁺¹⁹, LYYW19, WZH⁺¹⁹, WWA19, YWG⁺¹⁹, YWG⁺²⁰, wZcZN⁺¹⁹, wZcZN⁺²⁰].

cancerous [LJW^{+19a}]. **CANF** [FJ18].

canonical [Bu18, GLC19]. **Canopy** [LZY+19b]. **Canopy-** [LZY+19b]. **can't** [GMCM16, GMCM18]. **capabilities** [BBWB+18, HMZ18]. **capability** [ZCL+18]. **capable** [PvSS17]. **capacities** [JLL17, Li15]. **Capacity** [BB17, CMB17, HMH17, KIC12, RZ16, Bha18, CWL+18, GBRM18, KCM19, KMJ18, dACNC16]. **Capacity-driven** [RZ16]. **capillary** [APRC16]. **capital** [NZOCJ+19]. **capsule** [KHO+19]. **capsulorhexis** [LSW+19]. **CAPTCHA** [GPV+14, RM16]. **caption** [DQXW19]. **capture** [Asu13]. **Capturing** [BCG+19, NHH+19]. **car** [KXS+16, LLN+18]. **carbon** [VVC+12]. **carcinoma** [MGA+18]. **cardiac** [CAC+10, DNW+19, MdMMNS+19, SWW+13]. **cardiological** [KKS+18a]. **cardiomyopathy** [DNW+19]. **cardiotocographic** [LQF19]. **cardiovascular** [NDA+19]. **cards** [CHS11, NWMG17, SGGCR+16]. **care** [ABC+18, CAS+18, KIJ+19, MRS+18a, NDZ+18a, NDZ+18b, NDZ+19, SPS18, BS11, SAK+10, BGMLS17]. **Carlo** [CPGdS+13, CPGBC16, DDJ+13, JH16]. **carpooling** [HKG+16]. **carrier** [LML+19]. **cars** [MHW+16]. **CartoonPlus** [JHC10]. **cascade** [GJY18]. **cascaded** [HHH+19]. **cascading** [HA19]. **Case** [LLES19, MW12, SGN+17, AR18, AMÇ19, Asu13, APR+19, CGN18, CLAL19, CFF14, DDMPG17, FGM11, HMA18b, MNC+18, MKS18, MOFGP18, RRP+14, SHS+19, SB11, TuIS+19, WLH16, WRCC17, XLL+19b, ZDL+13, ZXL14]. **CASQ** [LZY+19a]. **Catalan** [SAM+19]. **catalogue** [MRT+19]. **cataract** [LSW+19]. **Catcher** [BSE+13]. **categorizing** [WLW+18]. **Category** [LZY+19b, GGLW18, ZH17]. **Causal** [HKS18, MFT+17, TSWL17]. **cause** [CPP16, LWR+19]. **caused** [MHW+16]. **cavities** [DNJG17]. **cavity** [HLZ+19]. **CCA** [ZSW+18b]. **CCA-secure** [ZSW+18b]. **CCBKE** [LZYC13]. **CCGrid** [KZ17]. **CCTV** [LHJC18]. **cDBN** [Jun18]. **CDN** [LLT+19]. **celiac** [KHO+19]. **cell** [DPK+19, EAA16, JLC+20, YWG+19, YWG+20]. **CellML** [CAC+10]. **CellML-based** [CAC+10]. **cells** [JLC+20, YWG+19, YWG+20]. **Cellular** [TA18, TZD+19]. **CenLocShare** [XCS+18]. **Center** [BMK+14a, SE19, GDS18, HDB18, KAEC+18, LN13, LWD+14, LGL+17, LGZY18, LWW+13, Man15, MP17, NKP16, SPT+18, VOS12, XDH+17, YPLZ17, YGYW16, ZGL19, ZWJ+18]. **centered** [ABZK15, AB19b, JNS+19, NRR+15]. **centers** [AD19, AAAQJ+18, AK18b, BAB12, DKK+13, FNCR11, GS16b, GBF+12, GFW+18, KKBK19, LSYC18, LWW+18, ODC19, Pon19, QMSG12, Qur19, RT15, RMRSA19, SLD+15, SLB+17, SLZ+18, TDC+14, VTTK17, WTR+13, WWQ+18, ZZH+16, ZXD+19, ZAC+18]. **central** [SZG+19]. **Centrality** [LG18, AdvAGF18, GJY18, LXM+18, MBM18, MCSA18]. **centralized** [XCS+18]. **centred** [LASL16]. **Centres** [CAB+18, WCH+18]. **Centric** [WSQ+18, APBdI17, ACL+18, AT18a, AHM+18, BS17, DGR+15, DMM+18, DGdL15, GZLZ16, GMCM16, GMCM18, JTS13, KYZ19, LKN+13, PIP18a, QGT+18, RLL+17, SST18, SZK18, SRKS18, TGM+19a, TGM+19b, XLL+14, ZW10]. **CEPSim** [HCB16]. **CERN** [NNLH18]. **Certain** [YH18]. **certificate** [LL16]. **certificate-based** [LL16]. **certificateless** [LHO17]. **certification** [CB10]. **certified** [LH13b]. **CFD** [LZX16, OBG+18]. **CG** [KLP19]. **CG-E2S2** [KLP19]. **CGLXTouch** [PDW+11]. **chaff** [KHMB13]. **chain** [ABMM18, AB19a, ABGMC19, AB21, BDA19, BDNP13, CLL18b, Che18, HHXL13, JLQ18, LBJ+18, LBJ+24, SLL+18, YLL+19, ZSL+19a, FY19]. **chain-generated** [HHXL13]. **chaining** [SLY+19]. **Challenge**

[KZA11, STMV18, SGM11].
Challenge-response-based [KZA11].
Challenges
 [CCRL18, CDFW18, GS16a, GRL11, JC15, Jun17, KMU19, MWW⁺¹⁵, PWA⁺¹⁹, YS16, AUSA19, AR17, ALK15, AC10, ALL⁺¹⁸, CAC⁺¹⁰, CRSdS10, CCIP18, CSC18, CBBC⁺¹⁷, EGV18, Eng14, FFC⁺¹⁸, FJJK17, GFD14, KS18b, KAW12, KLH⁺¹⁸, KARP14, NS10, OFMZ18, PYM18, PDH18, RLM18, SP18a, SJV⁺¹⁵, SWY⁺¹⁸, URC19, UKK⁺¹⁹, VCE⁺¹⁹, WWVJ17, WGX⁺¹⁹, YHA⁺¹⁹, RMC⁺¹⁸]. **Chances** [ALL⁺¹⁸].
Change
 [FEB⁺¹⁹, HKT⁺¹⁹, PWB⁺¹³, ZXW19].
changes [BNJ16]. **channel** [ABS⁺¹⁸, AAQ⁺¹⁹, CWW⁺¹⁶, DJH⁺¹⁹, GQXL18, SWW⁺¹³, SHL^{+19a}, YZC⁺¹⁹, YN18].
channels [GHMX10, KKB⁺¹⁹]. **Chaos** [AIA^{+18a}, XRPT18]. **Chaos-based** [AIA^{+18a}]. **chaotic** [Bro19, KLW⁺¹⁶, LWK⁺¹⁸]. **character** [LJ19a, TJ18]. **Characteristics** [WCWC19, WCWC20, YXY18, MPP13, SHL^{+19a}].
Characterization
 [AHD⁺¹⁹, BARMB14, BZHV19, GPVN19, KRd⁺¹⁹, PLGMCdF18, VEET18, dSFP⁺¹⁷].
Characterizing [GdVC10, JTB13, JCD⁺¹³, MSS⁺¹³, WWH⁺¹⁷, MMAA19].
Chargeback [BKS⁺¹⁴]. **chargers** [CZM⁺¹⁸]. **charging** [HZLH19, RYH⁺¹⁹, YHL⁺¹⁹]. **chatbot** [CPMG19]. **cheating** [DLMS15]. **check** [Che13b, LZL⁺¹⁷]. **checking** [LXJD18, PSS13, RWV⁺¹³, SYY⁺¹⁷, YZN⁺¹⁵, YXA⁺¹⁶]. **checkpointing** [CPGdS⁺¹³, CRVZ15, FMSSM12, FRB⁺¹⁴, KKJJ10, LBB⁺¹⁹, LM12, RPMG10].
chemical [CHWW13, YWLL19]. **chemistry** [ZDL⁺¹³]. **Cherenkov** [CSV⁺¹⁹]. **children** [XL19]. **China** [HPZL18, PWP⁺¹⁸].
Chinese [TJ18, ZWWL18]. **Chip** [MBM18, BFP18, CPSD18]. **chips** [SSG19].
CHIS [CCMP18]. **choice** [SC16]. **choking** [AY16]. **cholangiocarcinoma** [ZMZ⁺¹⁹, ZMZ⁺²⁰].
cholangiopancreatography [HZX⁺¹⁹, HZX⁺²⁰]. **chromosome** [hKBB11]. **chronic** [HEES19, VFHB14, WCWC19, WCWC20].
chronological [MPP13]. **Chunk** [ZZJ17].
chunking [WLA17a, XFJ⁺¹⁹]. **CineGrid** [DGdL15, GH0⁺¹¹, KGdL11, LSH⁺¹¹, WdL16]. **CIoT** [GTEL⁺¹⁸, ZZX⁺¹⁹, ZZLZ18]. **cipher** [ZSW^{+18a}]. **ciphers** [MHY⁺¹⁸].
Ciphertext [JSMG18, Rao17, LDZW19, QRW⁺¹⁸, LAL⁺¹⁵, LHL15].
Ciphertext-Policy [Rao17, JSMG18, LDZW19, QRW⁺¹⁸, LAL⁺¹⁵, LHL15].
ciphertexts [WXLY16]. **circuit** [AEK⁺¹⁸, BDG⁺¹⁹]. **circulating** [JLC⁺²⁰, YWG⁺¹⁹, YWG⁺²⁰]. **circulation** [WJZ⁺¹⁷]. **circumstance** [ZLY⁺¹⁹].
circumvent [DC17]. **Circumventing** [DC18b]. **citation** [HHL11, HQ10].
citations [CZ14]. **citie** [AT18b]. **Cities** [HSS17, RMSPP17, Sta17b, APBdI17, AR18, AK19, BAKB19, DGR⁺¹⁹, HCZW17, HMA^{+18a}, HMA18b, KAS⁺¹⁸, KS18d, NWL17, Osm19, RGSL18, SRdIPG19, SB19c, TLL⁺¹⁹, UGBM⁺¹⁷, GMLGB⁺¹⁷]. **Citizen** [APBdI17, AB19b, ALFR16, NZOCJ⁺¹⁹].
citizen-centered [AB19b]. **Citizen-centric** [APBdI17]. **City** [CMNK19, MPI⁺¹⁸, RPA⁺¹⁸, BBC⁺¹⁷, CCC19, DDMPG17, EAED18, GAI⁺¹⁸, KPA17, KFK19, LNK⁺¹⁸, LSV⁺¹⁸, LCY19a, LCY^{+19b}, LLW^{+18b}, PC17, SP18b, TWZP18, TCB⁺¹⁷, WHBC19, XYLZ18, YJS18, dSK⁺¹⁹, CGSV17, FAMA⁺¹⁷, hKRM17, UPP17]. **civil** [AB19b]. **civilian** [MND⁺¹⁹]. **CL** [SVK19]. **CL-ADSP** [SVK19]. **Clairvoyance** [BOP⁺¹⁴].
CLAPP [GNGG17]. **class** [DKK⁺¹³, GWW⁺¹⁹, GS13, GD10, RHH⁺¹⁹].
class-statistic [GWW⁺¹⁹]. **classes** [CMB17, JOPW14, PSLZ18]. **classic**

[MCA⁺18]. **classical** [MAÇ17].

Classification

[BD18, MWQ⁺19, ZXM⁺19, AHMS18, AAM⁺19, AGA18, CMI⁺19, CLY14, CTU19, DDD⁺19, DH16, EP13, FTK⁺14, FMV14, GLVC18, GOLL19, HZW19, HMA18b, JOSD19, KMK⁺19, KIJ⁺19, hKBB11, LXL⁺17, LXT⁺19, MLG13, MG14, MdMMNS⁺19, MHdlS19, MCRB19, MZYA19, MRS⁺18a, NUPA19, PRW14, RRKA19, RGGH18, RD14, RHH⁺19, SD18, TSRG17, XZZ⁺18, YARH18].

classifications [Bag16, CWUS19]. **classifier**

[KLV⁺18, ZSQ⁺19]. **classifiers**

[IdAP19, KI19, WLW⁺18]. **Classifying**

[BCMM18, DSM⁺19]. **classroom** [Kim18].

clean [MRL14]. **CLEM** [CJN⁺15].

Clickstream [FFGP⁺19]. **Client**

[ZW10, BK19, CSL18, DSD⁺11, JLX⁺19, KuRAk⁺18, MG14]. **Client-centric** [ZW10].

client-server [BK19]. **clients** [LH13b]. **cliff**

[SCH⁺19]. **Climate** [FEB⁺19, BNJ16,

FQBCF15, MLC18b, PWB⁺13, FNA12].

Climate-G [FNA12]. **Clinical** [WWP19,

WWP20, CPE⁺17, JNS⁺19, LDY⁺18].

cloaking [NZL⁺15]. **clock** [FSY⁺19]. **clone**

[SMRM13]. **CloneSpot** [MH19].

CloRExPa [DLS14]. **closed** [HXY13].

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

[CCRL18]. **cloth** [HX19]. **clothing**

[HYC⁺18]. **Cloud** [AJR⁺19, ASAB⁺18,

AASI17, ABTA18, AAJ17, AM17, AKB⁺18a,

ACCD17, AMPZ16, BB13, BDL⁺19,

BdDPP16, BCJT13, CLRL18, CHWW13,

CRM⁺16, CDL⁺16, CPD⁺15, Cha14a,

CKR16, CDFZ16, DMC⁺19, DXA14, DLS14,

FMN⁺17, FSV⁺19, FPP⁺18, GAW⁺18, GJ15,

GBRM18, GTCZG⁺18, GMP⁺17, HMH17,

HMM18, HSBE19, Hel16, HM19, HXA⁺17,

HMA⁺18a, IASK14, JC15, JY15, JGB19,

JTL⁺19, JTBS15, KKK⁺19, KIMR15,

KLV⁺18, KJ18, LSB⁺18, LSD⁺17, LOR⁺18,

LJGW18, MID16, MP17, MAB⁺15, MM18,

Pal16, PN13, PLLA18, PDH18, RAA⁺18,

SV16, SB19a, SST18, SGN⁺17, SS17, SE19, SZK18, SAPA17, SPKG18, TMW⁺17, TMMVL12, VLAC⁺13, WBKL16, XDWL15, YG18, YHL16, YWZ⁺18, YARH18, YAP16, YXA⁺16, ZAC⁺18, ABZK15, ABMC18, ANA16, ABDH19, AA18, ALTG19, AD19, ANG⁺19, AAAQJ⁺18, AFSH⁺18, AFSH⁺19, AMQS⁺19, ABB⁺19a, AEK⁺18, ADA⁺19]. **cloud** [ASO14, ALK15, AL18, AMGCC18, ABP18, AMMC18, AMKM18, ATM⁺19, Ano12r, AB16, AAD⁺13, ABN17, ADBO18, AMS19, ADDV16, ALL⁺18, AK18b, BKS⁺14, BDE17, BFN18, BMU16, BGC⁺19a, BCN⁺19, BKS⁺18, BFS⁺17a, BFS⁺17b, BC15, BBCN18, Bel16, BBT19, BPC⁺14, BT17, BGRBA19, BB12, BDH14, BR10, CMX⁺16, CA15a, CVT19, CDG⁺14, CLZ18, CLAL19, CMB17, CCIP18, CTR⁺17, CXDM18, CFG⁺19, Cha14b, CFL⁺15, CRW⁺16, CW16, CLL18b, CM17, Che13b, CWSW14, CLL⁺14, CAC⁺15, CXL⁺17, CLR18, CCY⁺18, CXWT19, CW13a, CJS19, CGSJ18, CGL15, CPSRG14, CR14, CBLS13, CSQL17, CDL18, DC18b, DZZ⁺15, DJZ⁺15, DRC⁺19, DL19, DST14, DRGC⁺19, DLLZ17, DMPP16, DEG⁺17, DQLW15, DHL18, DLL⁺19, DR18, DCC13, DWS12, DSPA18, DHC⁺17, DCMW17, DJ13, EKSDN19, EBOY14, EAS⁺18, Erd13, EP12, EMJ⁺13, EPB18, ECA⁺18, ETR⁺13]. **cloud** [EA17, FH13, FHYH15, FCY18, FLT⁺19, FLL⁺19, FLR⁺16, FSM⁺18a, FJL⁺16, FW19, FQBCF15, FLR13, FDPR17, FEPC18, FPGK18, FKT14, FM17, FP13, Fri14, FCD⁺14, FSP⁺18, GGTRRC16, GPJA⁺14, GVBG17, GEG14, GdCP19, GVB13, GJGB19, GGJ13, GSLI12, GAJP18, GS16b, GJF⁺12, GCCL18, GB10, GTSAR⁺14, GPS13, GMP⁺18, GJKP18, GFW⁺18, GSR⁺19, GLB⁺18, GZQ⁺19, GGC18, GGS13, HIA18a, HFM19, HSM13, HGG⁺14, HQH16, HLL18, HCMJ19, HJA⁺19, HHK18, HLYW17, HCNT14, HZL⁺19, HB19, HHK⁺16, HCB16, HNQ⁺18, HZ19, HZW⁺16,

HYS17, HYS18, HHS⁺18, IDCJ11, IS18, IKLL12, IGB⁺14, JAAD⁺16, JTB13, JTS13, JBR⁺16, JCL⁺15, JZJ⁺18, JMAG19, JEB18, JOSD19, KS18a, KZ17, KC14, KR⁺19, KYB⁺19, KMT14, KKKM13, KAW12, KCS14, KMJ18, KADJ14, KDG⁺19, KSC⁺19, KLH⁺18, KACN16, KARP14, KMV⁺15, KTTK17, KKKM17, KKKM18]. **cloud** [KGLY18, KS18c, KLW⁺17, LBD18, LCH⁺11, LZY⁺19a, LCL⁺19, LXD17, LLW⁺12a, LJLW13, LCHW14, L XK⁺14, LLH⁺17, LPY⁺18, LLF⁺18a, LLWW18, LYY⁺18, Li18, LWTL19b, LSCL19, LWTL19a, LAL⁺15, LSYC18, LCL14, LXMW15, LHX⁺18, LW⁺18, LZYC13, LYZC15, LYL15, LHL15, LCMX16, LPL⁺16, LSL⁺18, LDY⁺18, LCH⁺18, LNY⁺18, LZLL18b, LYL⁺19, LPBB⁺18, LHBC16, LSJ⁺14, MZH⁺17, MG14, MG16, MK17, MGT18, MFN13, MHC14, Man15, MCT⁺15, MYW⁺19, MAJD18, MKK13, MCAS19, MS19, MBMTJR18, MDB⁺18a, MKH13, MK19b, MFG⁺14, MNY⁺19, MSBA16, MLM16, MHZK18, MVG⁺14, MRH17, MMVP13, MAA⁺19, MCdA16, MSE19, MSM⁺13, MYK16, MWL⁺18b, MCG⁺15, MBV⁺15, MCWP16, Nag16, NRV⁺17, NCS12, NNC⁺19, NLV⁺19, OdOD⁺13, ODK⁺17, PZA18, PBV⁺13, PC18a, PVN⁺12, PLA18, PVGD⁺19, PFPJ18, PKY⁺17, PPG19, PPS18, PBA18, POJ⁺16, PTM⁺18, Pon19, PPB16, PKI⁺18, QWCW19, QCYJ17, QCD16, RGAT18]. **cloud** [RT16, RRKA19, RML⁺19, RZ16, RT15, Rao17, RS17a, RP18, RHPV17, RMJ⁺18, RTS⁺16, RMRSA19, RGVGGSSZ14, RMHMG17, SRZD15, SF19, SB14, SPD⁺19, SJV⁺15, SHRE16, SBAD⁺18, SBK⁺16, SJTN18, Sha16, SSSJ19a, SLD⁺15, SY⁺17, SSI19, SAR18b, SV15, SG14, SKS17, SRKS18, SM18, SYK⁺17, SB16, SBP⁺17, SMS13, SK19, SCJ⁺19a, ŠCJ⁺19b, SBL18, SMZ⁺16, SLZ⁺18, SDH⁺19, TWdLZ19, TCC18, TLC⁺15, TSWL17, TDLC17, TOD17, TZL⁺18, TKA⁺18a, TKTG19, TBB⁺17, TCBPR16, TCBC18, TYWZ18, TMS⁺17, VB18, VPP⁺19, VSDD13, VCDK18, VGD⁺19, VSP⁺14, WHMO13, 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, WZCH17, WBR19, XX14, XKBA18, XZ⁺19, XWM18, XTT18, XWL⁺18, XLL⁺19a, XTZ⁺19, XYML19, XWjZyF19, YMW⁺18, YFY⁺13, YLHJ14, YSC⁺15, YLN15, YWL⁺17]. **cloud** [YJS18, YCD⁺19, YSHM19, YH19, YN18, YKK13, YQZ⁺19, YAGG18, YNY⁺14, YZN⁺15, YGYW16, YYLC10, YDQC19, ZCM19, ZRZL18, ZYZ⁺18, ZLZ13, ZCL⁺14, ZME⁺15, ZZH⁺16, ZCS⁺16, ZWHC17, ZHHC17, ZXZL18, ZZXL18, ZTL⁺19, ZSL⁺19a, ZCZ⁺18, ZDW⁺16, ZC18, ZFH⁺18, ZLY⁺19, ZZS⁺19, ZaTZ⁺17, ZZZ17, Zhu18, ZWGC19, ZCW19, ZL12, ZZQ⁺13, ZBF14, dSBN19, dACAM13, dACNC16, BAB12, CFVP12, CMG⁺19, CJN⁺15, CFF14, CPP16, DRZ⁺19, DDJ⁺13, DHC⁺17, ENC⁺12, FG14, FP14, FMRS18, IG12, JS12, JBR⁺16, KKB14, KMK⁺14, KS17b, LLAH13, MGR11, MEBA12, MBS13, NJH⁺18, NHH⁺19, PMPC13, PMDS18, SMBMT⁺18, SG15, SMZ⁺16, SYL18, SYQ⁺19, TCN⁺14, WLML17, YNSM12, ZLR⁺15]. **cloud-agnostic** [KDG⁺19]. **Cloud-assisted** [HMA⁺18a, LZY⁺19a, LYL⁺19, WXYL15, ZYZ⁺18]. **Cloud-aware** [GJ15]. **Cloud-Based** [HXA⁺17, AMPZ16, CPD⁺15, FPP⁺18, GMP⁺17, LOR⁺18, YARH18, ASO14, BDE17, CFL⁺15, DMPP16, EPB18, FW19, GSR⁺19, GGC18, HJA⁺19, HLYW17, HHK⁺16, KR⁺19, KSC⁺19, LCH⁺11, LSYC18, MK17, MYK16, MCG⁺15, PC18a, PKY⁺17, TKA⁺18a, TYWZ18, WZZ16, WJS⁺18, XKBA18, XTT18, YMW⁺18,

YN18, ZZXL18, PMDS18].
cloud-computing [ZLZ13].
cloud-connected [RHPV17].
cloud-distributed [AB16]. **cloud-edge**
 [CFG⁺19, CXWT19, DLL⁺19, XZW⁺19,
 XLL⁺19a]. **Cloud-Edges** [BDL⁺19].
cloud-enabled [ATM⁺19, TOD17].
cloud-end [DJZ⁺15]. **Cloud-Fog**
 [PDH18, MWL⁺18b, ZSL⁺19a].
Cloud-FuSeR [SMZ⁺16]. **cloud-hosted**
 [YKK13]. **cloud-integrated** [FCD⁺14].
cloud-native
 [SCJ⁺19a, ŠCJ⁺19b, TBB⁺17].
Cloud-of-Clouds [WLML17].
Cloud-of-Things [CMG⁺19].
cloud-oriented [FKT14]. **Cloud-P2P**
 [SYL18]. **CloudFlow** [ZME⁺15].
CloudGrid [CCR13]. **CloudIntell**
 [MAY18]. **CloudLaunch** [ALTG19].
cloudlet [ZGL⁺18]. **cloudlets** [Lok12].
CLOUDRB [SG14]. **Clouds** [GLNT13,
 GGA⁺17, KSF⁺13, LX13, MG18, MAD⁺16,
 PMLVLS⁺13, SpDSR⁺17, WRK⁺15,
 APAZ17, AMQS⁺19, AS19b, AMGCC18,
 AK14, ABN19, ASB18, AEME⁺18, BL15,
 CLRL17, CTVB12, CGBAP18, CKR16,
 CBN16, dCCDFdO15, CRTN17, DT16,
 FWB13a, GCBM17, GZWQ13, HZZ⁺14,
 HBN⁺13, HFT16, IHK⁺18, KuRAk⁺18,
 KH18a, KFK19, LZ10, LLC⁺14b, LMZ⁺14,
 LGY⁺16, LLZ⁺18a, LLZ⁺19, LLW⁺12b,
 LPV⁺16, LSHW17, LWZ18, LPD⁺13,
 LYW⁺16, LL16, LSMVML13, MJM⁺16,
 MJDN15, MG10, MG18, MGG⁺17, MDD15,
 MG10, OG18, PFRC16, PS19, QGT⁺18,
 RMVG⁺10, RMCMD12, RCTY19, STMV18,
 SEMJ11, SSL13, SBA⁺17, SJV12, SNP19,
 TZST14, TLSC17, TdPF⁺17, TVB18,
 TSB18, TCN⁺16, UDST19, VVB13a,
 VHML11, VCKB12, WHS⁺18, WWZ⁺19,
 WG13, WLH⁺19, XSMS15, XJWW15,
 YLJL18, ZYCZ19, ZQB⁺18, ZT19, ZB19,
 dCTVC18, dOOO⁺13, ANE13, ATX13,
 CVKB12, WLML17, YMY⁺17]. **CloudSME**
 [TKA⁺18a]. **CloudSNAP** [MGLPPJ13].
CloudStore [LSB⁺18]. **CloudWave**
 [SNP19]. **Cloudy** [BFN18]. **CloudFlows**
 [KOP⁺17]. **Cluster**
 [BB13, CWJ16, KV17, BARMB14, BYL⁺18,
 CDG⁺14, EMHE18, GCV⁺14, HLL⁺17,
 KZ17, LZXW13, LJL12, LHPC⁺19, LKTC14,
 MNV12, MFG⁺14, RBJ⁺13, STC15, SMS14b,
 SBP⁺17, TM19, WKC⁺13, WHW16,
 WJZ⁺17, YLHJ14, YYW⁺19, dACAM13].
cluster-based [BARMB14, LZXW13].
Cluster-group [CWJ16].
cluster/datacenter [LKTC14]. **clustered**
 [PRC⁺14, SCY⁺18, GK18]. **ClusterGrids**
 [KKJJ10]. **Clustering** [FJ18, GBY16,
 HO17, LJ17a, LHJC18, PC18a, SAH19,
 TF18, ZWHC17, BK16, BCF16, Bu18, CJ14,
 CdSDS15, CSP13, DNW⁺19, EP13, FGM11,
 GPJC17, GNGG17, hKBB11, KP18, LZZ19,
 LYS⁺19, LXF19, LRMS19, LZXG12,
 LSV⁺18, NK17, RCM17, SV16, TTC⁺14,
 WCL⁺17b, WTG⁺19, XZZ⁺14].
Clustering-based [LJ17a, LRMS19].
Clusters
 [MG10, AHEM17, ADAAD12, ALM⁺10,
 BC15, BL13, BTM10, CRM⁺16, CP17,
 CSdCM⁺17, ÇBCA15, FQBCF15, GCBM17,
 JBP⁺18, KSS11, LLZ⁺18a, MJM⁺16, PK11,
 RGDML16, SK12, VVB11, XDHL12, YIA17,
 ZGB⁺17, ZBCT17, ZTD⁺18]. **cluttering**
 [Gra15]. **CMPs** [MVL18b]. **CMS**
 [RAA⁺18]. **CMSS** [CEP19a]. **CNN**
 [RBGA18, UMUB19, ZDM⁺19].
CNN-LSTM [ZDM⁺19]. **CNNs**
 [AAM⁺19, LYL⁺19]. **Co**
 [DXL⁺18, DVB14, DBD⁺14, GS15, VL19,
 XZL⁺19, YCY10, YSC⁺15, LLS⁺14].
Co-AdaBoost [LLS⁺14]. **Co-Allocation**
 [DXL⁺18, DVB14, YCY10, YSC⁺15].
co-design [DBD⁺14, XZL⁺19].
co-processor [GS15]. **co-simulation**
 [VL19]. **Coalition** [KIMR15]. **CoAP**
 [GCK18]. **CoAP-based** [GCK18]. **coarse**
 [SJ18, TKK⁺14]. **coarse-grained**

[TKK⁺14]. **CoCaMAAL** [FKT14]. **CoCoA** [RJS⁺19]. **Code** [AsRA⁺19, BGS⁺19, HDO16, HCL⁺17, JLS19, LLC14a, OBG⁺18, PSK⁺10, SJ14, TLL⁺19, WMJW18, vW19]. **codecs** [EBCP18]. **coded** [PWMX17, XWM18]. **codes** [GIM16]. **coding** [CJXX19, LDX19, LSD11, LYS12]. **coefficient** [QMCX19, SLD⁺18, ZWZ19]. **coevolution** [LD17]. **coevolutionary** [CZY⁺18]. **Coflow** [LZZ19]. **Cognitive** [AT19b, GWW⁺19, MK19a, ASAA18, AS18b, BKS⁺18, BMK⁺14b, CLH⁺18, Che18, CGM⁺19, CWLZ19, GOLL19, HMW⁺19, LLW⁺19c, LLW⁺19d, NDZ⁺18a, NDZ⁺18b, NDZ⁺19, STB⁺19, TSD18, WLL⁺19a, WLZ⁺19, XZZ⁺19, ZYZ⁺18, GTEL⁺18]. **Cognitive-inspired** [GWW⁺19, CWLZ19, XZZ⁺19]. **coherence** [MVL18b]. **cohesive** [QC18]. **Collaboration** [ASW11, DPDS14, GFD14, AkBAL⁺19, BJM⁺17, BAPS14, BP10, HKU⁺11, HLL⁺11, HYS17, HYS18, KKBK19, LZH⁺18, LLS⁺19, LSW⁺19, OPT⁺17, PPS⁺19, POJ⁺16, RMA⁺16, SKF⁺11, UNM⁺16, WTP⁺13, YLJ⁺17]. **Collaborations** [GDZ⁺19, TAB⁺18, EYY19]. **Collaborative** [BDF⁺16, BDG⁺19, FGW⁺19, HGM15, HAM18, LTTL19, LZY⁺19b, OMKM⁺19, PLLP19, PVGD⁺19, WWTF18, WYL⁺18, AM19b, BRXdS11, BDCC19, BDMO11, CFM19, CPE⁺17, CSL17, CSL19, CMP⁺17, CNP⁺19, CPLH19, DMPP16, DFRW17, DV13, DPS16, DLL⁺19, DKFKF18, FLR⁺16, FdAGdAFV19, GMD19, GMP⁺16, IGB⁺14, KZA⁺18, KKB18, KIAD17, KWK16, LCL⁺16, LCW⁺18, LTMW19, LQLX10, LHCC18, LHY⁺19, MZH⁺17, ML11, MVG18, MOBD18, MQL⁺19, MED16, NRR⁺15, PS10, PDW⁺11, RW18, RRH16, SHBP10, Sip12, SCL14, TQL⁺19, WCVL12, WLB11, ZL13, ZCZ⁺18, ZWYH19, ZRZ⁺14, ZBF14, dFVPSHL⁺14, FGG13]. **collaboratively** [GZS14]. **collaboratively-built** [GZS14]. **collapsed** [KWB19]. **collapses** [KMC18]. **collating** [AB18b]. **collection** [DGCGH⁺17, HMM18, HYC⁺18, KC19a, LLW⁺19d, PPS⁺18, TSTL16]. **collection-processing** [PPS⁺18]. **collections** [YDK11]. **Collective** [Jun17, CFGM16, SSST17]. **collision** [CMZ⁺18, NLS19]. **collusion** [LXJD18]. **collusive** [ZZH⁺18]. **Colony** [PT16, TA18, CZL⁺18b, FZHH14, HXWW18, HLZ18, SMS⁺19, SH19, TV16, WZ13, XLW⁺17, ZHHQ18]. **Colony-based** [TA18]. **color** [Bro19, DNW⁺19, GPV⁺14, HX19, MSM⁺18b, RM16, XJZ⁺19]. **Colorectal** [KMB⁺17]. **colored** [DC19]. **coloured** [AEM10]. **Column** [GVA⁺16]. **Combination** [CWJD19, LLW⁺18a, SYT⁺19, WQZ19, XRPT18]. **combinational** [CWW⁺16]. **Combinatorial** [HMH17]. **combine** [SDST18]. **combined** [SMBMT⁺18]. **combiner** [MLC18b]. **Combining** [AS19a, AGBR19, CPGBC16, CFGM16, Che13a, DMC⁺19, MK19b, MWPVB12, OCW14, FZHH14, GAA19, SK12, WWZC19]. **CoMD** [PAL⁺19]. **CoMe4ACloud** [ASAB⁺18]. **COMFIT** [dFBP⁺17]. **comfort** [FHHM19, Mat18]. **comfortability** [WPS⁺18]. **comments** [CXZC18]. **commerce** [ZL18]. **commercial** [ABN19, CBN16, DQC⁺19, SMM⁺14, TKA⁺18a]. **Commodity** [JBP⁺18, KDHP16, LKTC14]. **Common** [GAB⁺14, CCL19, CZ14, HZX⁺19, HZX⁺20]. **commons** [BFN18]. **communicating** [MZD⁺16]. **Communication** [ADALZ14, DKV14, AK19, AAQ⁺19, AKG⁺17, Bag11, BWR12, BTM10, CDDR17, DSBC19, DdM10, EAA16, GQXL18, GXL⁺12, GZLZ16, GVBG17, GBY16, HAAWH⁺18, KH19, KMU19, LXF19, LWW⁺16, MCN⁺18, MWCK19, MWL⁺18b, MCG⁺15, PSK⁺10, QMCX19, RPA⁺18,

RHPV17, SRZD15, SAH19, SLS⁺19, SCEC18, SAVS19, URKM19, UPP17, VSKS19, VCDK18, VV16, WPGN⁺18]. **communication-layer** [WPGN⁺18]. **communication/networking** [GXL⁺12]. **Communications** [EYY19, AMN18, CFVP12, GZL⁺18, GSC⁺19, HSC15, HCHH19, MHY⁺18, QGX18, RGDML16, SAGGB17, WQ14, WSZC18, WGX⁺19, XHW19, YXZG18a, YYS⁺19, ZZY⁺19, dSBN19]. **communities** [BOHCC17, DMPP16, FK11, HSB⁺18, PRSR14]. **Community** [aCKPM19, GDZ⁺19, RMA⁺18, BFN18, BR19, CWL⁺18, CWJD19, CGL⁺10, FPPD14, FLN⁺18, GHJ⁺19, GG10, HZ19, HBN⁺13, LFL⁺17, LJJ18, LLZ⁺18a, SOD18, SEHS19, SGBK19, SZG⁺19, SJL⁺18, YMLT13, ZDL⁺13, ZCL⁺19, HRR⁺14]. **Community-Aware** [RMA⁺18, HZ19, HBN⁺13]. **community-based** [YMLT13]. **companies** [STMV18]. **Comparative** [CA15a, TAHS14, BMU18, CDMR19, DNW⁺19, GRS⁺19, OdOD⁺13, RHH⁺19, ZN12]. **compare** [CW16]. **Comparing** [HHS⁺18, PFS⁺13]. **Comparison** [CHS⁺18, MFG⁺14, MOFGP18, CRWZ19, GLJ19, JS13, KBVH14, KS17b, SI18, ZTKF17]. **compatible** [GA13, HDLW13, SOM⁺19]. **compensation** [LZLL18a, LZWF19, YXY18]. **competency** [KRZ12]. **Competition** [GPVN19, JLQ18, LLS⁺19, SIL⁺13]. **Competitive** [AGKZ18, PS10, SSL12, WPJ16]. **compiler** [GMB19, LJS17]. **complementary** [PRS12]. **complementing** [RS16]. **complete** [BP13, KJ18, MSM⁺13]. **Completely** [GMM18]. **completion** [CND⁺19, LZ10]. **Complex** [BCD⁺18, CCMGF18, CCRL18, HCB16, LJ17a, BKB11, Bal16, BWR12, BW13, CSC18, Fer13, FPP⁺18, GRZ⁺19, GJY18, HSB⁺18, JSZ⁺19, KAP19, MSO18, PKI⁺18, RWY⁺18, SW17, Sun10, SJL⁺18, WSZH18, WMC19, ZYTC15, ZSP17]. **complexes** [CGV10]. **COMPLEXIS** [CCRL18]. **Complexity** [GMMM18, AMÇ19, ABP16, GVURIVBV14, TWW⁺18, ZZP⁺19]. **Compliance** [SS17, HHL11, LCCM18]. **Compliance-based** [SS17]. **compliant** [LLCF11]. **Component** [BR18, SAPA17, ACPI19, HIA18a, LASL16, LTZ15, MZYA19, PSBB15, SVN10b]. **Component-based** [SAPA17, ACPI19, PSBB15]. **Component-oriented** [BR18]. **components** [KSS11]. **Composable** [LFP⁺17, ÖE13]. **Composing** [AMM⁺19b, RBC⁺15]. **Composite** [AM17, Lin18, ATF11, MBA19, OCW14]. **Compositing** [MWQ⁺19, NOF18]. **Composition** [JGB19, SZW⁺19, AdI14, ACCM19, BML18, FTD17, GMMM18, GJGB19, JGFB18, LPMY18, LJ17b, LWS⁺12, LO19, PKB19, SJ18, SDC11, TSOB15, TSTD16, UGBM⁺17, WPY19, WZ13, XSMS15, XWW19, XLW⁺17, XCZ⁺19, YWLL19, ZZLH18, LKA⁺19]. **compositional** [dSMAdR⁺17]. **compositions** [Lok12]. **Comprehensive** [GHJ⁺19, Tao10, ZGL19, HHK⁺16, LDJL19, NJKH13]. **compress** [NS17a]. **Compressed** [JL14, ML17, BD18]. **compressible** [WWP19, WWP20]. **compressing** [JDW⁺14]. **compression** [AMBC19, CCD⁺19, CPD⁺15, DHW⁺17, HSP⁺13, IASK14, OSC14, SMS16, YZWG18]. **compressive** [GSY⁺17]. **Compromise** [CLK11, NAAC19]. **Compromised** [SSA⁺19]. **CompSci07** [AC10]. **Compulsory** [QRW⁺18]. **Comput** [AB19a, AB21, ABMMC22, BFS⁺17a, Bo20, Cha14b, DP20, DP21a, DP21b, GHEB⁺23, HZX⁺20, HYS18, JLC⁺20, NDZ⁺18a, NDZ⁺19, SME⁺21, WWP20, WCWC20, YWG⁺20, YTQ20, ZMZ⁺20, wZcZN⁺20].

computation [AHU⁺19, Bal16, BWG19, CAPG18, CWJ⁺18b, DEL19, EZTL19, EHT10, GLC19, GEAR13, HHK18, HLT⁺19, KGLY18, LJC⁺19, LLJ⁺11, LLM⁺16, LSAM13, PB18, STC15, VV16, WMK16, WLXZ18, XLL⁺19a, XXQ⁺19, YDT19].
computation-driven [LJC⁺19].

Computational

[AC10, BDS⁺10, Jun17, SA19, XA10, BMT12, BL15, CBBC⁺17, CGJ⁺10, DVB14, DLS⁺12, GKTK15, GSN⁺18, GPS⁺17, Hua10, IAL10, KHG13, KX11, KKW⁺14, LAH10, MFN13, RM11, SPdSR⁺17, SSTS17, SSL12, SKS17, SDF⁺19, SZR18, TBK⁺10, WSC⁺19, WCKW10, WS10, ZZDM⁺18].

Computationally [VCD⁺18, DST10].

computations

[AQB15, HCW⁺18, SK12, SK19].

Computer

[DPDS14, JO11, LBJ⁺24, ADAAD12, ABS⁺18, BDS⁺10, CAC⁺10, CRSdS10, GMLGB⁺17, JBP⁺18, KdGP⁺19, LWW⁺13, MGA⁺18, NSSA⁺14, PPS⁺19, WY19].

computer-assisted [BDS⁺10]. **Computers**

[GMM18]. **Computing**

[AR17, ADALZ14, APS⁺19, ABP18, AKB⁺18a, BB13, BCG⁺19, CMA11, CFP⁺19, DXA14, FSV⁺19, FBS18, Hel16, JJH19, KFBKD14, LWW⁺13, MGR11, OFMZ18, Pal16, PN13, PZY16, SAPA17, SG14, SPKG18, WRK⁺15, WZM⁺18, WSB⁺15, Wri19, WXGM18, XDWL15, YHL16, YWZ⁺18, AZH18, AHS⁺18, ABMC18, ANA16, AJY15a, ABS11, ASW11, ANG⁺19, ADLW12, AkBAL⁺19, ADA⁺19, ALK15, AL18, AMGCC18, ARB12, ADBO18, AMS19, BJ12, BBWB⁺18, BAV16, BMU16, BKS⁺18, BFS⁺17a, BFS⁺17b, BYL⁺18, BAB12, BOP⁺14, BDZ13, BKY18, BT17, BdDPP16, BCP18, BKB18b, BB12, BDMO11, BR10, BRHH18, CMZ⁺12, CPDJ13, CLRL18, CHWW13, CGCB⁺12, CA15a, CLCMG⁺18, CPGdS⁺13, CLZ18, CTR⁺17, CDDR17, CMT16, CC11, CKR16,

CLL18b, CWJ16, CXL⁺17, CLH⁺18, CCY⁺18, CXWT19, CW13b, CLCY18, CGSJ18, CGM⁺19, CNP⁺19, CCCT14, CBLS13, CSP13, CWLZ19]. **computing** [Cuz14, DMC⁺19, DQC⁺19, DJZ⁺15, DST14, DDD18, DSD⁺11, DRGC⁺19, DLMS15, DDB14, DWS12, DHC⁺17, DCMW17, EZTL19, EAS⁺18, EMJ⁺13, EA17, FLL⁺19, FLR13, FRB⁺14, FP14, FP13, GHY⁺18, GVBG17, GVB13, GAW⁺18, GGJ13, GDJ⁺13, GJ15, GCCL18, GB10, GMP⁺18, GRX19, GCZ⁺19, GZWQ13, GTMZ17, HFM19, HSM13, HAP11, HCZW17, HB19, HKPT10, HMZ18, HMA18b, HZDS19, HNQ⁺18, HMW⁺19, HZ10, HYS17, HYS18, HXC⁺18, HLT⁺19, HKP10, IFD⁺19, JCA⁺19, JSMG18, JEB18, KNI⁺18, KMB⁺17, KANS18, KZ17, KKKM13, KB18, KAH⁺19, KMI11, KAW12, KMJ18, KPJ19, KLH⁺18, KACN16, KGS⁺19, KJ12, KH18b, KMV⁺15, KGLY18, KJ18, LSB⁺18, Len16, LPK17, LPK18, LXD17, LXJD18, LS10, LLW⁺12a, LCHW14, L XK⁺14, LFP⁺17, LLH⁺17, LZS18, LW18a, Li18, LTTL19, LLW⁺19c, LCL14, LC15, LXMW15, LHX⁺18, LZYC13, LYL15, LHL15, LPL⁺16, LDY⁺18, LZLL18b, LLZ⁺18b]. **computing** [LPBB⁺18, LSJ⁺14, LYH⁺19, LCY⁺19b, MWW⁺15, MLC⁺18a, MDA⁺19, MS19, MKH13, MEBA12, MK19b, MGMT18, MMC⁺18, MRH17, MPR⁺16, MSS⁺16, MLSF16, MSE19, MGA⁺19, NPH19, NRV⁺17, NSSA⁺14, Odi14, ODK⁺17, OB17, PZA18, Pal13, PdASM18, PRL⁺19, PMMAM13, PGTBC18, PMCC18, PSY⁺19, PPB16, PZY17, PPLL17, PS13, QRW⁺18, RGN⁺18, RGAT18, RC13, RML⁺19, RBN13, Rao17, RR18, RLM18, SB14, SPJ17, SBB⁺10, SSSJ19a, SA19, SCAC⁺19, SG13, SSZ13, SMM⁺14, SBD⁺18, SYK⁺17, SJV12, SK19, SG15, SSP17, SLL⁺18, SGL⁺19, TLC⁺15, TZLL18, TGM⁺19a, TKTG19, TuIS⁺19, TGM⁺19b, Tur18, VNAMM19, VVC⁺12, VAR14, VB18, VPT⁺15, VCL⁺19,

VSDD13, WTR⁺¹³, WWCN13, WQ14, WWC14, WWRS16, WCL^{+17a}, WWDF18, Wan18a, WMY⁺¹⁸, WXZ^{+18a}, WLL^{+19a}, WDKV19, WXZL11, WZCH17, WHYZ17, WMJW18, WLHH18, WPS⁺¹⁸, WHZ19, XZ11, XX14, XZP⁺¹⁹, XLL^{+19a}, XTZ⁺¹⁹.

computing [XXQ⁺¹⁹, YFY⁺¹³, YJS18, YSHM19, YW12, YVCB10, YCH19, YY11, YGYW16, YCX18, YAX⁺¹⁸, ZAA⁺¹⁴, ZGZ⁺¹⁰, ZLZ13, ZZH⁺¹⁶, ZWHC17, ZBCT17, ZTKF17, ZCX⁺¹⁸, ZCL⁺¹⁸, ZXZL18, ZZF18, ZZ19, ZYC⁺¹⁹, ZSL^{+19a}, ZLY⁺¹⁹, ZSH12, ZZZ17, ZCW19, ZL12, ZSW^{+18b}, dSGD13, dACAM13, vKvWD⁺¹³, AHL11, CC11, LLAH13, MGR11, SGN⁺¹⁷, YXA⁺¹⁸].

computing-enabled [LW18a, XXQ⁺¹⁹].

concentration [KAS⁺¹⁸]. **Concept** [HLV⁺¹⁶, WZL18, HXC⁺¹⁸, IdAP19, KI19, KWB19, TSRG17, ZDW⁺¹⁸]. **Concepts** [OFMZ18, TAB⁺¹⁸]. **conceptual** [CIK10, UZ11, dSGD19]. **Concurrency** [Vin16]. **Concurrent** [CHS⁺¹⁸, SZW⁺¹⁹, AB17, AB18c, GGS13, RBJ⁺¹³, RGDML16, RM11]. **Conditional** [MAÇ17, BDCC19, CLM^{+14a}, HYF18, IOV⁺¹⁸, LY18b, TA19]. **conditions** [MLGGB⁺¹⁷, MSE19, YZC⁺¹⁹].

Conference [CC11, KZ17]. **confidence** [DCC13]. **confidence-based** [DCC13].

confidentiality [GSR⁺¹⁹]. **Configurable** [CBT⁺¹⁹, XWRZ19]. **configuration** [CLAL19, CFMC19, DDD⁺¹⁹, GGTRRC16, LMZ⁺¹⁴, MBS13, PKI⁺¹⁸]. **configurations** [CMVA18]. **configure** [KPM⁺¹⁸].

Configuring [BYL⁺¹⁸]. **conflict** [WCH⁺¹⁸]. **conflict-aware** [WCH⁺¹⁸].

conflicts [DR15]. **confluence** [SISGS18].

Congestion [Ciu10b, HDB18, MBM18, NLLC19, SSK⁺¹⁹, KXS⁺¹⁶, LTN10, LGP⁺¹⁹, LAQ⁺¹⁹, MWPVB12, RJS⁺¹⁹].

Congestion-aware [MBM18].

congestion-free [LGP⁺¹⁹]. **conjunctive** [HZL⁺¹⁹, XTZ⁺¹⁹, YQZ⁺¹⁹]. **Connected** [BRH18, HAJ⁺¹⁹, XXQ⁺¹⁹, KMU19, LYC18, NLLC19, PECA19, RHPV17].

connectivity [AC18, LY18b, VOS12].

Connex [JCA⁺¹⁹]. **conquer** [KTB18].

Conqueror [KTB18]. **conscious** [ZA14].

consensus [CFGM16, CFM19, LTC⁺¹⁹, MMF16].

consequence [OA17]. **conservation** [Mat18, PPM⁺¹⁸]. **conserving** [NQQL13].

consideration [FW19, GGLW18].

Considerations [CJPC19]. **Considering** [KMJ18, BAKB19, CT19b, WMBV17, ZZH⁺¹⁶].

Consistency [KLP19, GNVST14, HKS18, LWTL19a, Sip12, TSWL17, ZW10].

Consistency-guaranteed [KLP19].

consistent [LGP⁺¹⁹, ZSP17]. **consolidated** [SS13, ZFW14, ZLL⁺¹⁶]. **consolidation** [ADBO18, CFF14, FNCR11, HMH17, HZZ⁺¹⁴, HH19, IDM⁺¹⁶, JFZL17, KCV11, LYYY17, LYYY18, LLWW18, Man15, MP17, RT15, SSSJ19a, TDSH16, WCC⁺¹⁶, WLA18a]. **consolidation-aware** [WCC⁺¹⁶].

consortium [HZLH19]. **constant** [KHJ10].

CONStanza [PDDS10]. **constrain** [GWW⁺¹⁹]. **constrained** [APAZ17, ANE13, ABP16, AB17, ABN17, AB18c, CXL⁺¹⁷, CLM14b, DSCJ18, KCK16, MJDN15, MRN19, NK15, PCK19, RPH19, SSL12, SGJ18, TWdLZ19, TLL⁺¹¹, VVB13a, ZYB⁺¹⁸, ZT19].

Constraint [LPMY18, SSG17, DQLW15, DKFKF18, FCY18, GPS13, LYYY18, TSTD16, WLP10, XJY⁺¹⁸]. **constraint-based** [DKFKF18, LYYY18].

constraints [CSL18, GQLX18, Li18, LLZ⁺¹⁹, LD17, LPL⁺¹⁶, LTZ15, SZK16, TSB18, WTM⁺¹⁷, WZWC18].

Construct [HPZL18].

Constructing [CFL⁺¹⁸, STB⁺¹⁹, ZZL⁺¹⁰, GNGG17, HQ10, NJ19].

Construction [KMZJ16, CPLH19, DPS16, LW19, LLS⁺¹⁴, LWXY19, PRN14, SSRQ19, TWZP18, YPHZ14].

Consumer [AAC⁺¹⁹, GMCM16, GMCM18, FFC12, HMA18b, ZL18].

Consumer-centric [GMCM16, GMCM18].

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 LYZC15, LSHW17, LWT18, LHW⁺18,
 LRC⁺18, LZW⁺18, LGZY18, LKFB18,

LLL⁺¹⁸, LML⁺¹⁹, LLW^{+19d}, LIH⁺¹⁹, LSAM13, LKK⁺¹⁶, LHPC⁺¹⁹]. **data** [LWW⁺¹³, LL16, LWR⁺¹⁹, LZY⁺¹⁶, LIC18, MWW⁺¹⁵, MSS⁺¹³, MNV12, MID16, MPP13, Man15, MLC18b, MVL^{+18a}, MPCAF15, Mat18, MP17, MZD⁺¹⁶, MTD18, MMVP13, MFL18, MDT⁺¹⁸, MFT⁺¹⁷, MDM⁺¹⁹, MWPVB12, MVCC10, NS17a, NNRA19, NJB19, NAD⁺¹⁸, NK17, NWMG17, NKP16, NJ17, NSSA⁺¹⁴, NAM⁺¹⁹, OFD17, Osm19, OSANAM19, PPZ12, PFRC16, PJDO13, PvSS17, PVN⁺¹², PSW⁺¹⁴, PKY⁺¹⁷, PWMX17, PWP⁺¹⁸, PYM18, PPG19, PECA19, PGCC⁺¹⁰, PMBS14, PPPS18, PSY⁺¹⁹, PSW⁺¹⁹, PIP18a, Pon19, PRN14, QGX18, QGT⁺¹⁸, QCX18, QCZH19, QMSG12, QC13, Qur19, RGGH18, RTHB17, RT15, RSK16, RMRSA19, RWO⁺¹⁹, RHKC15, RGCC18, RSJ⁺¹⁴, SR12, SPT⁺¹⁸, SZV19, SAGL10, SPMC10, SMPC12, SP18a, ST11, SOA17, SGKC10, SA14, SG17, SLD⁺¹⁵, SYY⁺¹⁷, SSJ19, SLC⁺¹⁷, STC15, SB17b, SB17a, SGB⁺¹⁸, SB18, SAR18b, SGBK19, Śle14, SBA⁺¹⁷]. **data** [SBD⁺¹⁸, SZD⁺¹⁷, SYK⁺¹⁷, SAG19, SG19, SRN⁺¹⁸, Sta17b, SLW11, SSZ⁺¹⁷, SLB⁺¹⁷, SLZ⁺¹⁸, SYQ⁺¹⁹, SAC11, SSLF⁺¹⁰, SJSA19, TZBK13, TZST14, THA⁺¹⁷, TZQ18, TDC⁺¹⁴, TF18, TZLL18, TKR⁺¹⁵, TLSC17, TOD17, TBR⁺¹⁹, TLL⁺¹⁹, TSRG17, TSGVRGS19, TdPF⁺¹⁷, TCN⁺¹⁴, TWZP18, TSS⁺¹⁹, TBdL16, TSTL16, TCBC18, TYWZ18, TAS⁺¹⁸, TSB18, Tor13, TGM^{+19b}, TCCW19, TSAER18, UMUB19, USK16, VTTK17, VGD⁺¹⁹, VOS12, VGC⁺¹³, WSQ⁺¹⁸, WZW^{+19a}, WTR⁺¹³, WTG⁺¹⁴, WLLF16, WLZ⁺¹⁶, WZZ16, WXPL17, WWQ⁺¹⁸, WCH⁺¹⁸, WMY⁺¹⁸, WZE19, WZW19b, WLL^{+19a}, Wan19, WDZ19, WLA17a, WTP⁺¹³, WBJM14, WHW17, WHYZ17, WHYZ18, WLHH18, WZWW18, WHZ19, XB14, XFJ⁺¹⁹, XWZ⁺¹⁹, XFM16, XDH⁺¹⁷, XLL^{+19a}, XTF⁺¹⁹, XJZ⁺¹⁹, XAW⁺¹⁰, XXB19, YLVY15, YMW⁺¹⁸, YXZG18a, YMW13, YLN15, YPLZ17, YWCC18, YZG⁺¹⁸, YXZG18b, YWLL19, YSHM19, YKK13, YQZ⁺¹⁹, YZN⁺¹⁵, YXA⁺¹⁶, YGYW16, YWY⁺¹⁷, YYLC10, YWF⁺¹⁰, YL16, ZZDM⁺¹⁸, ZMP10, ZGL19]. **data** [ZCW11, ZME⁺¹⁵, ZSX⁺¹⁵, ZCK⁺¹⁵, ZZH⁺¹⁶, ZTKF17, ZYB⁺¹⁸, ZFS⁺¹⁸, ZHL⁺¹⁸, ZWZ18, ZZZC19, ZYC19, ZWQ⁺¹⁹, ZYC⁺¹⁹, ZXD⁺¹⁹, ZQB⁺¹⁸, ZAC⁺¹⁸, ZW10, ZWJ⁺¹⁸, Zhu18, ZWGC19, ZSBB19, dSCD⁺¹⁹, dFPFG19, uRYS⁺¹⁹, vKvWD⁺¹³, AKP⁺¹⁸, BBD⁺¹⁹, CAS⁺¹⁶, CRW⁺¹⁶, CW16, DX14, GS16a, KKAS19, MCR⁺¹⁶, PVHTP19, Sha16, ZS16]. **Data-as-a-Service** [HSBE19]. **data-aware** [AHEM17, TKR⁺¹⁵, ZME⁺¹⁵]. **data-based** [CZZ⁺¹⁸, GPVN19]. **data-capacity** [Bha18]. **Data-centric** [DGR⁺¹⁵, JTS13]. **data-check** [LZL⁺¹⁷]. **Data-driven** [FZT⁺¹⁸, HX19, HCX⁺¹⁹, LXF19, KKS^{+18a}, TSS⁺¹⁹]. **data-flow** [GS15]. **data-intensive** [Cuz14, GVURIVBV14, JFZL17, KGVW14, LTTL19, RSJ⁺¹⁴, SLC⁺¹⁷, SBD⁺¹⁸, TdPF⁺¹⁷, TBdL16, TSB18, WTR⁺¹³, WHYZ17, WHZ19, dSCD⁺¹⁹]. **data-locality-aware** [JLD⁺¹⁹]. **data-matching** [PRN14]. **DataABC** [JFZL17]. **Database** [LSG⁺¹⁹, ASAAM⁺¹⁹, Cha15, CWSW14, LZL⁺¹⁶, LRMS19, PB17, WCL^{+17a}, YXD18, YWF⁺¹⁰]. **databases** [ATS14, FSM^{+18a}, GAYTC18, KMB16, KYB⁺¹⁹, LY18a, LLCF11, MQN19, NA19, PDDS10]. **Datacenter** [YMY⁺¹⁷, ESPN17, KMJ18, LKTC14, SHRE16]. **datacenters** [LJGW18, LPBB⁺¹⁸, MRH17, SSP17, WCC14, XWM18, ZG19]. **datacentre** [Len16]. **datacentres** [PLLA18]. **dataflow** [PPLL17]. **dataset** [KMST19, WZZ16]. **datasets** [AMBB18, Ans11, BRXdS11, CLY14, CYJ19, FGM11, HHZ16, MR19, PPZ12, RVST17, WMLS14, ZLXZ18].

Dataspace [CDH⁺19]. **Dataspaces** [HLCL16]. **date** [HMA18b]. **day** [KLW⁺18]. **DB** [PYH⁺18]. **DBaaS** [BBB⁺19]. **DBMS** [MGV⁺18]. **DBMS-based** [MGV⁺18]. **DC** [QMCX19]. **DDoS** [CWLZ19, DCC13, SPT⁺18, TA18, VS13, VSP⁺14, ZJW⁺14]. **Deadline** [ANE13, PNGFJ13, VCKB12, ZT19, APAZ17, ABP16, ABN17, ABN19, DQLW15, FCY18, HLW12, KDG⁺19, MJDN15, SGJ18, TWdLZ19, TSB18, VVB13a, WTM⁺17, ZYB⁺18, ZQB⁺18]. **deadline-aware** [ZQB⁺18]. **deadline-based** [KDG⁺19]. **Deadline-constrained** [ANE13, ZT19, APAZ17, MJDN15, SGJ18, TWdLZ19, VVB13a, ZYB⁺18]. **Deadline-driven** [VCKB12]. **deadlines** [BBB16]. **deadlock** [CWW⁺16]. **deal** [MCG⁺15, SHBP10]. **deblocking** [WC14]. **decay** [PKA19]. **December** [Ano19n]. **decentralised** [PWA⁺19, STMV18]. **Decentralized** [CLNR18, FY19, HNKÖ18, JTS13, LJC⁺19, MPC⁺18, ÖEE13, RLP12, SHRE16, TGM11, XTZ⁺19, ATF11, ABH18, CCL11, DA18, DCF19, FWB13a, HBN⁺13, MML⁺18, MT17, MOBD18, MGLPPJ13, NLV⁺19, RRB10, SAK19, SCMS12, TY11, YLA18, ZMH⁺18]. **deceptive** [CWZ⁺17]. **decide** [MOBD18]. **decision** [AFSH⁺19, APR⁺19, BBWB⁺18, BKB18b, CLY14, GBKJ18, JNS⁺19, JXZ⁺19, KMI11, KKS⁺18a, KFBKD14, LPK17, LPK18, LRMS19, LYS12, LDY⁺18, RT16, TSS⁺19, VDK12, WY17, XYLZ18, YCH19]. **decision-making** [APR⁺19, JXZ⁺19]. **decisions** [ABMMC18, ABMMC22, LTZ15, TWdLZ19, WGM15]. **declarative** [ATdC⁺16]. **decoction** [QXZ⁺19]. **decoding** [PSPP16]. **Decomposed** [YSC⁺19]. **decomposition** [AB18a, Bu18, FBM19, Ima19, LLW⁺18a, LYW⁺18b, MSBA16, NJ19, PLL⁺18, PSLZ18, SMC18, WHZL10]. **decomposition-coordination** [MSBA16]. **decoupled** [LSJ⁺14]. **decrease** [KIS11]. **decreased** [WCWC19, WCWC20]. **Decreasing** [VGC⁺13]. **decryption** [XTZ⁺19, XYML19, ZSW⁺18b]. **dedicated** [BBB16]. **deductive** [RB12]. **deduplicated** [MKRD19]. **deduplication** [FLL⁺19, KH18b, SAR18b, WLA17a, WLA17b, XFJ⁺19, ZFH⁺18, WLML17]. **Deduplication-Assisted** [WLML17]. **DEED** [YZC⁺19]. **Deep** [ASYF18, AAM⁺19, AMM19a, DDD⁺19, EU19, GSC⁺19, HDA⁺19, LYYW19, SB19c, ZTC⁺19, ZYC⁺19, ZZLZ18, ABDH19, AQAR⁺18, ASAAM⁺19, BWG19, BW19, CLCMG⁺18, CFMC19, CAL⁺18, DFG⁺19, DC18a, GLC19, HDKC18, HUMA18, HHH⁺19, KMK⁺19, KSS19, KLJS19, LBD⁺19, LLH⁺17, LZT⁺19, LXT⁺19, LLU⁺18, MFSV19, RSY⁺18, SD18, SYT⁺19, SHL⁺19b, TBS⁺18, TYWZ18, UMUB19, WCB⁺18, WZF⁺19, YWLL19, ZZ19]. **deep-learning** [CAL⁺18]. **deep-regression** [AQAR⁺18]. **DeepNet** [CPW19]. **defense** [ASA19, CWLZ19, DCC13, GHYK18, NNC⁺19, VSP⁺14, ZJW⁺14]. **deferrable** [CSQL17]. **define** [ABD⁺19]. **Defined** [BRH18, CWL⁺19, IDKD19, RGSL18, SMG18, ACHP19, CJK⁺18, CKP⁺19, CS19, GZLZ16, GHYK18, GTSP⁺19, GXL⁺18, HYG⁺19, JAAD⁺16, KJI11, LGP⁺19, LLT⁺19, LLW⁺19c, LXM⁺18, LRC⁺18, MKRD19, NAGD18, QCY⁺19, WLA17a, XFJ⁺19, ZGL19, ZWJ⁺19a, ZBCT17, ZSZ18]. **Defining** [UDST19, MEBA12]. **definition** [GHO⁺11]. **deforestation** [ALFR16]. **deformable** [RDSA18]. **deformation** [JHC10]. **defragmentation** [RT15]. **Degeneration** [TBS⁺18]. **Degree** [ZSFZ19, LJJ18]. **Degree-biased** [ZSFZ19]. **Delay** [ACC⁺19a, BARMB14, RJS⁺19, CLRL17, LCL14, RMDDB18, SZK16, VSKS19, ZTKX19]. **delay-based** [CLRL17]. **delay-sensitive** [LCL14]. **delegated**

[SBL18]. **delegation** [AH11, JSMG18, RPH19, XZP⁺19].
deletion [LZLL18a]. **Delivering** [ACC⁺19c, PMDS18, QCD16]. **Delivery** [SST18, FAL⁺19, HAT19, HDLW13, KKN18, LMZ⁺14, RMVG⁺10, Zhu18]. **deluge** [TGM⁺19b]. **Demand** [CAB⁺18, SLSS19, DEG⁺17, Len16, LWH⁺18, LWZ18, MHW⁺16, PYH17, SH19, TDC⁺14, SCN⁺14]. **demand-oriented** [LWZ18]. **demands** [KPM⁺18]. **dementia** [NDZ⁺18a, NDZ⁺18b, NDZ⁺19].
demonstration [VRGR16]. **demosaicking** [HLC16]. **dendritic** [EAA16]. **Dendron** [PMK18]. **Deniable** [DA18]. **Denial** [IDKD19]. **denoising** [BTG19, GDAS18]. **Dense** [RCW⁺19]. **DenseNet** [CTU19]. **Density** [GBY16, ZSZ14, LZXW13, LZZ19]. **Density-based** [ZSZ14]. **deontic** [SZR18]. **dependable** [BCC⁺17, WY17]. **dependence** [XFM16]. **dependencies** [BBI13]. **Dependent** [BB17, GTMZ17, MCRB19]. **deploy** [ALTG19]. **deployed** [KSS19]. **deploying** [MVC⁺13]. **Deployment** [TCB⁺17, BARMB14, BGRBA19, CZY⁺18, CGL15, KTKN11, LWH⁺18, LLW⁺12b, LSMVML13, MAJD18, MGLPPJ13, MCSA18, MW12, RCMT18, ŠCJ⁺19b, VCL⁺19, VSDD13, dOWdAS⁺18, WG13, WLH⁺19, ZLZ13]. **deployments** [LPD⁺13]. **depression** [CFL⁺15]. **Depth** [HZZ⁺18, XTL⁺19]. **derive** [LN13]. **derived** [YMW13]. **Deriving** [MdOO⁺17, CHSA18]. **descent** [MWL18a]. **describing** [BBT19]. **description** [DJPM18, KGdL11, PLCGS11, Sun10]. **descriptions** [XLL⁺18a]. **descriptor** [LZL⁺12, PSS⁺18]. **Design** [AMN18, AAB⁺10, Bag19, CBS17, CLS19a, DCBF19, DVD12, HZDS19, JO11, JNR12, KO11, KANS18, KLW⁺17, LJS17, MK17, MCWP16, PMT10, RPH19, SPR⁺10, SYCH18, TMM⁺13, TBB⁺17, WDKV19, XKJ⁺18, ZYA⁺18, ZZQ⁺13, dSK⁺19, AAD⁺13, BFP18, BSRR18, DSD⁺11, DBD⁺14, ECPF17b, FZT⁺18, GdCP19, HIA⁺18b, HX19, HLL⁺19, HHZ19, JLQZ18, LRYJ17, MOBD18, MNY⁺19, MHY⁺18, MWMA10, NSR⁺19, OSANAM19, RHH⁺16, RCOP⁺11, TWW⁺18, UZ11, VPP⁺19, WWD⁺14, WXYL15, WSL⁺19, WGM15, dOWdAS⁺18, XZL⁺19, ZDL⁺13, ZLG⁺14]. **Designed** [DGR⁺19]. **Designing** [AB18a, LTMW19, OdOD⁺13, XLL⁺19b, CFPC17, DGCGH⁺17, Mér17]. **designs** [BDG⁺19]. **desirable** [PKB19]. **desktop** [CLL⁺14, FK12, KWK16, KJ12, KKL11, LJLW13, RLP12, SWW⁺18, TPBS14, TKTG19, VKK14, CB10]. **DESRP** [LWZ18]. **desynchronized** [Tur18]. **details** [SCLC19]. **detect** [JXC⁺19, LYS⁺19, PZC19, SAG19]. **detected** [BCF16]. **Detecting** [BOHCC17, RKB18, WLW⁺18, AMM16, CZ14, LA19, SM18]. **Detection** [GMLGB⁺17, GHP⁺18, GLXF17, LMM19, SAPA17, ZJW⁺14, AD18, ABDH19, AMI16, ASAAM⁺19, ArMS19, AIP⁺19, AHMS18, ASYF18, AKM18, AS18b, ALFR16, AM19b, BTG19, BBH18, BR19, CXZC18, CYW⁺19, CTU19, CCDP19, CRC⁺19, CWLZ19, DJPM18, DNJG17, DC18a, ENC⁺12, FJ18, FZHH14, FS19, FCD⁺14, GAFFOG12, GPV⁺14, GRS⁺19, GNGG17, GSY⁺17, GSC⁺19, GMCM16, GMCM18, HTL⁺18, HJA⁺19, HNCJ13, HZZ⁺18, HZW⁺16, HAA⁺16, HIA⁺18c, JNHL18, KHWZ18, KIAD17, KIJ⁺19, KAW12, LRL⁺14, LYJ10, LLN⁺18, LJJ18, LTMW19, LYC⁺19, LYXT14, LSL⁺15, LJW⁺19a, LXT⁺19, LYW19, LWR⁺19, MH19, MAY18, MGA⁺18, NK18, NGB18, NJ17, NO19, PMK18, PRW14, RBGA18, SPT⁺18, SC19, SOD18, SD18, SMRM13, SI18, SSA⁺19, SEHS19, SYT⁺19, SCLC19, SB18, SGBK19, dSSCdL19, SGS⁺18, SBK18, SJL⁺18, TBS⁺18, TMB⁺19, VSBN19, WWH⁺17,

WJS⁺18, WWZZ18, WXZ⁺18b, WCM⁺19, XFTZ16, XJZ⁺19, YWJ⁺18, YARH18].
detection [YCXW18, YJL⁺19, ZZH⁺18, ZGV19, ZRZR19]. **detector** [MdFTGM19].
deterioration [WWX⁺17]. **determinant** [GSC11]. **Determinants** [CT19c].
determination [KK10b]. **determine** [FM10b]. **Determining** [SOA17, SS17].
determinism [WPGN⁺18]. **deterministic** [GOLL19, WLGL19]. **Deterrence** [SMF⁺19]. **develop** [Ham19, ZBF14].
Developing [GTM19, HZZ⁺14, HCJ14, LLMP13, SR19, Ham17, Kim14, LJS17, LKJ17, SWW⁺13, TKA⁺18a, WCH⁺18].
development [CGL15, FSP⁺18, KMST19, MMPF19, SBLW14, Sip12, SHJS⁺10, ŠCJ⁺19b, TBK⁺10, TF17, TCBC18, dFBP⁺17].
developments [SSZ13, YAGG18].
Deviation [WYH⁺17, HKP10].
Deviation-based [WYH⁺17]. **Device** [HCHH19, WWVJ17, CLK11, DSBC19, FRM⁺18, KPG19, LPL⁺16, MKS18, SZG⁺19]. **Device-to-Device** [HCHH19, WWVJ17, DSBC19]. **Devices** [BDM⁺19, WLP18, APRC16, AT19a, AKB⁺18a, ACD⁺19, BSRR18, BOP⁺14, CRRC18, CBPP18, CRC⁺19, DC17, EYY19, GMM18, HMZ18, HCW⁺18, JCA⁺19, JKLK17, KMU19, KKA18, LKJ⁺19, LJ19b, LCMX16, LNY⁺18, LYL⁺19, MMC⁺18, PCK19, RSRA18, SAGGB17, SGS⁺18, TLC⁺15, VFHB14, Wan18b, WWG19a, WGX⁺19, ZDM⁺19]. **DevOps** [WBKL16].
DEXIN [FLT17]. **dexmedetomidine** [FHHM19]. **DFINT** [QC18]. **DGC** [TF18].
DHT [HNKÖ18, HZ10, PTT12, TJWS10]. **DHT-** [TJWS10]. **DHT-based** [HNKÖ18, HZ10, PTT12]. **diabetes** [GP11, VFHB14]. **diabetic** [NDA⁺19].
diagnosis [AAN⁺18, AASI17, CLZ18, CFL⁺15, KHO⁺19, KLV⁺18, SB19c].
diagonal [PSS⁺18]. **diagram** [WZW⁺19a].
Dichotomous [RRKA19]. **dictionary** [DPS16, ZWWL18]. **difference** [BG12, LLL⁺19]. **different** [BARMB14, DFGR14, JZWL17, RJN⁺19, RWY⁺18, SHH⁺19, SCG⁺18]. **differential** [HZL18b, KS18c, LWZ18, PSY⁺19, TM19, WZE19]. **differentially** [WLL⁺19a, ZLXZ18]. **differentiation** [TSBH11]. **DiffServ** [BLO⁺18]. **diffusion** [DH16, TWG⁺19, WRCC17, CSV⁺12].
diffusive [BMZ10]. **digest** [BK19]. **Digital** [AFS16, LCHW14, MLC⁺11, QC13, QC18, SR19, ACMM19, Bro19, CCMP18, DGA18, GTM19, LCH⁺11, LQF19, MJGW18, PKP19, QCX18, SI19, SSFR19, SSA⁺19, Wei11, ZSMS18]. **digitised** [OPT⁺17].
digitized [SYT⁺19]. **dimension** [ZAB15]. **dimensional** [CFL⁺18, DJPM18, EP13, FNA12, GDAS18, HZW19, PM14, SWG⁺16, SS17, SJL⁺17, WZW⁺19a, WW11, YPCK12, ZFW14, ZZZ17]. **dimensionality** [MZYA19]. **dimensions** [EHT10, WMBV17].
Direct [EDH⁺13, ECE⁺19]. **directed** [DK14]. **direction** [DHW⁺17, ZG18]. **direction-preserving** [DHW⁺17].
Directional [CLL⁺18a, ABS⁺18, XZW⁺19, YPCK12].
Directions [CDFZ16, CGBAP18, GVBG17, GBMP13, LLWZ18, MND⁺19, QKC19, URC19, VB18, YS16, dCTVC18].
disabilities [RMSPP17]. **disabled** [HFT16].
disaster [AT19b, DCC⁺14, NKP16, RCMT18, SGRT19, SA14].
disaster-inspired [AT19b]. **disciplinary** [LZH⁺18]. **disciplines** [LKK⁺16].
disclosure [LNY⁺18]. **discomfort** [XJY⁺18]. **Discover** [ALTG19, AVPV17].
Discovering [LLG⁺16, WFQ⁺10, Fer13, LC15].
Discovery [BBC⁺13, BCF16, KK11, AAS⁺19, BMH10, BCR⁺12, CWJD19, CCT13, ÇÖ13, CH10, DMPS19, EK11, EBOY14, EA17, FFPS10, GACM17, GDJ⁺13, GB10, HCC⁺14, HZC10, HSV⁺17, KKL11, KIC12, LCBF13, Li10, LZH⁺18,

MLL15, MCL⁺¹⁶, MHC14, Pal13, Pip10, PTT12, PPL⁺¹⁵, SB17a, YSC⁺¹⁹, YCZJ18, YLA18, ZAB15, ZL13, ZZ^{X+19}, ZCL⁺¹⁹. **discrete** [BMP⁺¹⁶, LCW⁺¹⁸]. **discretization** [LTJK12, RGGH18]. **discriminant** [CLY14, HLL12, PZC19, YPCK12]. **discriminate** [AHMS18]. **discrimination** [HLH⁺¹⁸, XLL^{+19c}]. **discriminative** [WHYZ18]. **discussion** [BOHCC17]. **disease** [AAN⁺¹⁸, ARP⁺¹⁹, AASI17, DRC⁺¹⁹, HUY⁺¹⁹, KHO⁺¹⁹, KLV⁺¹⁸, NDA⁺¹⁹, WCWC19, WCWC20, XL19, ZZXL18]. **diseases** [HEES19, SM18, VFHB14]. **disk** [DLXR14, JLI⁺¹³, NQQL13]. **disorders** [AHMS18, CPE⁺¹⁷]. **dispatch** [WLH16]. **dispersed** [ED19]. **dispersion** [ZWZ19]. **Display** [KID⁺¹⁶, KWK16, NRR⁺¹⁵, RRH16, WY19, XJY⁺¹⁸, YDK11]. **displays** [BOP⁺¹⁴, PDK10, RMA⁺¹⁶]. **dissemination** [BK16, GRTV10, MZD⁺¹⁶, ROK19, SJ14, TLL⁺¹⁹, WLP10, ZWJ19b]. **Dissipative** [WZL18]. **Distance** [PYH⁺¹⁸, TKA18b, ZL13, CZL^{+18b}, HKU⁺¹¹, LYW^{+18a}, OMKM⁺¹⁹, SPT⁺¹⁸, WWD⁺¹⁴, ZSGJ19]. **Distance-aware** [ZL13, ZSGJ19]. **distance-fitness-based** [CZL^{+18b}]. **distinguishing** [SM18]. **distress** [MNC⁺¹⁸]. **Distributed** [AWYJ16, Bag16, CGV10, CZY⁺¹⁸, CMT16, CMNK19, DRC⁺¹⁹, DC18a, EH10, GLVC18, HCZW17, KKS^{+18a}, LSG⁺¹⁹, ML17, OdI14, PT16, PZY16, PIP18b, SSG17, SSL13, TCG14, VVC⁺¹², WMLS14, XHL⁺¹⁹, ABS11, AdI14, AS19b, AB18a, AB19c, AKB^{+18a}, ABF^{+15b}, AB16, ADLM18, Bag11, Bag19, Bal16, BVFGWA15, BC15, BDZ13, BR19, BGMLS17, BRNR15, CMZ⁺¹², CPGdS⁺¹³, CZL^{+18a}, CZY⁺¹⁹, CRC13, CLR16, CDDR17, CCL11, CBT⁺¹⁹, CCM⁺¹⁴, CPLH19, CGM⁺¹⁸, CBBdL16, CLM14b, DR15, DdM10, DDB14, DM12, EK11, EBOY14, ECPF17a, ECPF17b, FGG13, FFPS10, FM10a, FSP⁺¹⁸, GA13, GAI⁺¹⁸, GIM16, GM11, GKTK15, GSY⁺¹⁷, HKPT10, HST⁺¹⁸, HZDS19, HLMN11, IS18, JRJ⁺¹¹, JLD⁺¹⁹, KMB16, KS11, KANS18, KYB⁺¹⁹, KB18, KKBK19, KBB⁺¹⁶, KOP⁺¹⁷, KJ18, LCBF13, LZL⁺¹⁷, LGW⁺¹⁷, LLW^{+19c}, LC15, LSH⁺¹¹, LZXG12, LKK⁺¹⁶, LMA⁺¹⁹. **distributed** [LBU⁺¹⁰, LCCM18, LM12, MYHZ18, MDA⁺¹⁹, MSS⁺¹⁶, MLSF16, MAA⁺¹⁹, MKS⁺¹⁹, MGLPPJ13, MROD10, MW12, MFSV19, MQN19, NFK10, ODK⁺¹⁷, PBV⁺¹³, PdASM18, PSW⁺¹⁴, PGTBC18, PMT10, PZY17, PSBB15, RHH⁺¹⁶, RLRC13, RMHCMG15, RMHMG17, SB19a, SGRT19, SLG⁺¹⁷, SMSF18, STB⁺¹⁹, SSLF⁺¹⁰, TBdL16, THT12, UDvdW⁺¹⁸, VPT⁺¹⁵, VOS12, WHZL10, WTR⁺¹³, WWW⁺¹⁶, WHS⁺¹⁷, WWG^{+19b}, WHYZ17, WHYZ18, XWZ⁺¹⁹, XXX⁺¹⁹, XXB19, YJS18, YZW14, YWF⁺¹⁰, ZWL13, ZWW⁺¹³, ZSX⁺¹⁵, ZWHC17, ZTKF17, ZW10, ZB19, ZSBB19, dSGD13, dSFD⁺¹⁹, dLB10, BCF⁺¹⁰, YMY⁺¹⁷. **Distribution** [KK19, KT17, AC18, BGP⁺¹⁷, CRC13, CdRRdCB19, DJH⁺¹⁹, FHZW18, GZL⁺¹⁸, HFM19, HAAWH⁺¹⁸, KTKN11, LBD18, LJY10, LSYC18, LJW^{+19b}, MOFGP18, NK17, SA14, Tor13, USK16, VCDK18, ZTKF17]. **distributions** [BARMB14]. **Disturbances** [VLAC⁺¹³]. **divergence** [VS13]. **DiVers** [HDO16]. **diverse** [BCdV⁺¹⁹, CCJ16, CFPC17, NK18]. **diversified** [LYW^{+18a}]. **diversity** [BCdV⁺¹⁹, SLW11, ZSJ19]. **divide** [KTB18]. **divide-and-conquer** [KTB18]. **divider** [DJJ⁺¹⁸]. **divisible** [AOIS10, GOBL16]. **DMPO** [YCX18]. **DMZ** [XLL18b]. **DNA** [NRV⁺¹⁷, ZRZL18]. **DNS** [LKJ⁺¹⁹]. **do** [ACBM15, AMRM18, LMZ⁺¹⁴]. **do-it-yourself** [LMZ⁺¹⁴]. **DOC** [SSG17]. **Doc2vec** [CXZC18]. **Docker** [DSS19, DL19]. **docking** [IPG⁺¹⁸, TKTG19]. **document**

[LLS⁺14, TDBR18]. **documentation** [WGM15]. **documents** [BD18, CZ14, CZ19, SW17, YJL⁺19]. **Doddington** [MCRB19]. **DOE** [RS16]. **DOM** [GGC18]. **DOM-Based** [GGC18]. **domain** [AMI16, FSM⁺18b, GZLZ16, GDAS18, GSY⁺17, KZA⁺18, LKA⁺19, SC19, SMC18, SCEC18, SLY⁺19, SSB13, WMBV17, XWZ⁺19, XLW⁺17, YZL⁺18]. **domain-oriented** [XLW⁺17]. **domain-specific** [KZA⁺18]. **domains** [AL14, KOT18, LLM⁺16, SG17]. **dome** [KO11]. **domestic** [SH19]. **dominance** [ZZS⁺19]. **Dominated** [BRH18]. **Donating** [WPJ16]. **door** [ZTC⁺19]. **Double** [LEW19, DCBF19, LBJ⁺18, LBJ⁺24, LY18b]. **double-orbit** [LY18b]. **down** [SCH⁺19]. **download** [Li15]. **DPM** [CGM⁺18]. **DPRank** [LXM⁺18]. **dragon** [CLR16]. **Dragonfly** [CT19a]. **drainage** [ZMZ⁺19, ZMZ⁺20]. **DRAM** [CSJ⁺17]. **drift** [HXC⁺18, IdAP19, TSRG17]. **drilling** [LZL⁺19a]. **drive** [SYW17, VS19]. **drive-thru** [SYW17]. **driven** [AJY12, BFS⁺17a, BFS⁺17b, CVKB12, CSL19, DCC⁺14, DWS12, FFC⁺18, FZT⁺18, FTP14, FG14, FFC12, GEG14, GBF⁺12, GMP⁺16, GHJ⁺19, GKTK15, Ham17, HHK18, HB19, HX19, HCX⁺19, KCK16, KADJ14, Kol18, KKS⁺18a, LJC⁺19, LXF19, LvW14, MFC⁺19, NJH⁺18, NJ16, Pal13, PMK18, PdAF12, RZ16, RBN13, SMS14b, TSS⁺19, TCBC18, VCKB12, VETT16, VPP⁺19, WLH⁺19, XWW19, XJZ⁺19, YMLT13, ZCM19, ZAA⁺14, ZCX⁺18, ZLT⁺19]. **driver** [JCMPPC⁺18]. **drivers** [PWP⁺18]. **drives** [PLZX19]. **driving** [FPL⁺19, OMKM⁺19]. **drone** [ASAAM⁺19, LLN⁺18]. **drones** [PECA19]. **Drop** [CNP⁺19]. **droplets** [QC13]. **DRTHIS** [HDA⁺19]. **DRTM** [DJZ⁺15]. **drug** [HSV⁺17, KKL11, MMVS19]. **drug-protein** [MMVS19]. **drugs** [WWA19]. **drying** [Jun18]. **DSM** [CCS⁺10]. **DSM-based** [CCS⁺10]. **DStore** [XXB19]. **DT** [vKvWD⁺13]. **DTA** [XWJ⁺16]. **DTN** [WSZC18]. **DTRM** [LHX⁺18]. **Dual** [HPL⁺19, BWR12, BW13, ESPN17, QCZH19, VAdIP12, XZZ⁺19]. **dual-band** [VAdIP12]. **dual-port** [ESPN17]. **duct** [HZX⁺19, HZX⁺20]. **duplex** [WGX⁺19]. **during** [AKM18, BDM⁺19, BWR12, RS17b, SK18, SLC⁺17, SE19]. **DUSKG** [WWH⁺19]. **DVFS** [BBC⁺12, KAEC⁺18, SK19, TuIS⁺19, WCC14]. **DVS** [LLC14a]. **DWARM** [WZS⁺18]. **DWT** [AM19a, KHO⁺19]. **DXT** [HSP⁺13]. **Dyck** [SAM⁺19]. **Dynamic** [AMT⁺12, ABN19, ABB19b, BK19, CBC⁺19, CsZzG⁺13, DLDTGMMP16, EG18, GGDM⁺18, HYG⁺19, JEB18, KKK⁺19, KMK⁺14, LWTL19b, LD17, LZL⁺19a, LCL⁺18, LWSY18, MNV12, MDO⁺15, NV11, NSSA⁺14, PSPP16, RSJ⁺14, SME⁺21, ST11, SE19, SCJ⁺19a, TMW⁺17, TMP15, TSAER18, WCHL10, XWJ⁺16, YZC⁺19, YCX18, ZAB15, AHL11, AL14, ASD12, BML18, BN17, BTM10, CLRL17, CDDR17, CJHH13, CWJ⁺18a, CGSV17, CNP⁺19, CS19, CBBdL16, DSK⁺14, DBP19, DGR⁺15, FLT17, FMN⁺17, FAL⁺19, FWB13a, GQLX18, GEG14, GS16b, GB10, GLB⁺18, GZQ⁺19, HZW⁺18, HRVW18, HMW14, HBN⁺13, JBR⁺16, JSS⁺12, JK17, KIS11, KCM19, KID⁺16, KC19a, KH18b, KAS⁺18, LY18a, LXJD18, LYYY18, LWTL19a, LHM14, LJJ12, LN18, MPC⁺18, MWCK19, MTD18, MDD15, MSE19, MW12, NPP12, OWX19, PAL⁺19, PNZ14, POJ⁺16, PF17, RML⁺19, RB18, SR12, SME⁺19, SHP⁺16]. **dynamic** [SRZD15, SLD⁺15, SLG⁺17, SGJ18, SSC⁺19, SYAL13, SYL18, SYQ⁺19, UDST19, VAdIP12, WCM⁺19, WWZC19, WDZ19, WLA18a, WZ13, XWjZyF19, YZL⁺18, YZ12, YMY⁺17, YDQC19, ZSMS18]. **dynamical** [BKB18a, XTT18]. **dynamically** [ABN17, LKJ17, QCYJ17].

DynamicCloudSim [BL15]. **dynamics** [BMZ10, GPS⁺17, JTB13, KVK⁺18, MCRB19, MR19, WJLW18].

e-commerce [ZL18]. **E-Health** [AMSPL19, WMX⁺17, KIJ⁺19, RGN⁺18, VRS⁺19, PKY⁺17, YZL⁺18, YZG⁺18, ZAA⁺14].

e-Healthcare [IFD⁺19, ZZXL18, JNS⁺19, LZLL18b].

e-infrastructure [MSS⁺13]. **E-learning** [CJN⁺15, CLL⁺14, TNY17]. **e-markets** [VPT⁺10]. **e-payment** [CLM⁺14a].

e-Science [BDP11b, CBN16, SAGL10, AC10, BH13, KA13]. **e-Social** [LSAM13].

e-VLBI [WWD⁺14]. **E2S2** [KLP19]. **eagle** [GJGB19, LPY⁺18]. **EAMSuS** [MPI⁺18].

Early [AAJ17, ZPPE17, ArMS19, SPT⁺18, UZ11, VMN⁺18]. **Earth** [CCM⁺14, GSGPP⁺19]. **earthquake** [BSE⁺13, ZPPE17]. **Easy** [WWG⁺19b, ZDW⁺16, vdPGZ⁺16].

Easy-to-be [WWG⁺19b]. **easy-to-use** [vdPGZ⁺16]. **EasyGateway** [GRZ⁺19].

EATDDS [ARSMY19]. **Eavesdrop** [FZW⁺18]. **EbH** [GMdFPLC17]. **EC2** [BC15, FEÁ19]. **ECG** [GMdFPLC17, HZW19, IASK14, PVN⁺12, PLGMCdF18, SD18, WZY⁺19, WPS⁺18].

ECG-based [PLGMCdF18, SD18].

ecoinformatics [PWB⁺13]. **ecological** [KSSG16, PSW⁺14, TSTL16]. **Economic** [AB19a, ABGMC19, AB21, TBR⁺19, YW12, ATM⁺19, CC19, DQC⁺19, HAP11, HAP15, LTN10, RMCMD12, WDZ19, dACAM13].

Economic-based [YW12]. **Economical** [CFH⁺19, GFW⁺18, LLZ⁺18a]. **Economics** [AAC⁺19, ABP18, BAV16, VAR14, ARB12, AR10, TL19]. **economy** [ABP18, FdAGdAFV19, KHG13].

ecosystem [AMPZ16, DDMPG17, GHGP19, GPJA⁺14, MVL⁺18a, Sha16]. **ecosystems** [CGM⁺19, SRdIPG19, ZZDM⁺18]. **ECU** [KR19]. **EDAK** [ABB19b]. **EDAWS** [WHYZ18]. **Edge** [AJR⁺19, AR17, AHM⁺18, CLH⁺18, DMC⁺19, GSP⁺17, JJH19, KAH⁺19, LOR⁺18, LSCL19, MPLM18, OFMZ18, SST18, WZM⁺18, ZZF⁺19, AHS⁺18, ANG⁺19, AHU⁺19, AK18b, AMBC19, BCN⁺19, CFG⁺19, CXWT19, CGSV17, CGM⁺19, DLL⁺19, EZTL19, EBCP18, GRX19, GCZ⁺19, HMZ18, HMA18b, HMW⁺19, HLT⁺18, HLT⁺19, IG12, KZ17, KA19, LW18a, LTTL19, LWTL19b, LWTL19a, LY18b, LWZ⁺19b, LCY⁺19b, MLC⁺18a, MCAS19, MBMTJR18, QZD⁺18, RGN⁺18, RR18, RLM18, SPJ17, SYJA19, SCAC⁺19, SLL⁺18, TGM⁺19a, WMJW18, WLH⁺19, XZW⁺19, XZP⁺19, XLL⁺19a, XXQ⁺19, YCH19, YCX18, ZZ19, ZYC⁺19, GQXL18].

Edge-based [ZZF⁺19, CGSV17].

Edge-centric [AHM⁺18]. **edge-cloud** [AK18b, LWTL19a]. **edge-crowdsourcing** [SYJA19]. **edge-IoT** [EBCP18].

Edge-of-Things [GQXL18]. **edge-stream** [GRX19]. **edge/cloud** [ANG⁺19]. **Edges** [BDL⁺19, ZZF⁺19]. **edible** [Jun18]. **editing** [LHCC18]. **Editorial** [ADLW12, Ano19b, Ano19c, Ano19d, CRW⁺16, GVTdL18, PC18b, RB13, SZV19, TKRA14, YAGG18, FBS18, SSZ13, 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, Ano18m, Ano18n, Ano18o, Ano18p, Ano19a, Ano19e, Ano19f].

Editorial [Ano19g, Ano19h, Ano19i, Ano19j]. **Editors**

[BB13]. **EDS** [DLH⁺17]. **education** [KACN16, MM18, SG19]. **eduGAIN** [TOS18]. **EEG** [AHD⁺19, AAM⁺19, CMI⁺19, WZY⁺19]. **Effect** [FHHM19, PLGMCdF18, Bo19, Bo20, JLC⁺20, RWY⁺18, WWP19, WWP20, YWG⁺19, YWG⁺20]. **Effective** [KV17, PKF14, SCBK⁺16, CWJ⁺18b, CSQL17, DMC⁺19, DLS⁺12, HHL11, HYC⁺18, KS18a, KWB19, KK16, LML⁺19, MFG⁺14, PFRC16, RT16, SBA⁺17, SK19, WWH⁺17, WMX⁺17, WWH⁺19, WY17, ZBCT17, ZRZ⁺14]. **Effectiveness** [YZI18, ECPF17a, Man15]. **Effects** [JK17, QXZ⁺19, CN17, GPS⁺17, LRYJ17, LLS⁺19, PM14]. **efficiency** [DDB14, FTK17, GLJ19, IDM⁺16, JLRS18, KSSG16, KHG⁺18, KKvdB⁺17, KV12, KdGP⁺19, LSB⁺18, LPL⁺16, PLLA18, SLD⁺15, SEPV19, Sta17b, SG15, TKA18b, THT12, VEET18, WXY16, vKLA⁺19]. **Efficient** [ABB19b, CXL⁺17, CAPG18, CXC⁺18, DLH⁺17, ELAEAVAM19, FXG⁺19, FGG13, HFM19, HZL18a, HDLW13, KCV11, LLYW19, LQK⁺16, LAL⁺14, LXX⁺14, LHO17, LFHQ19, LLL⁺19, LNLA19, LLM⁺16, NWMG17, OBG⁺18, PRS⁺13, PWMX17, PPS⁺18, PRN14, RM11, SJ14, SZW⁺19, TLC⁺15, VKK14, WCC⁺16, WHS⁺17, WCM⁺19, WZCH17, XWX⁺17, YZC⁺19, YHL16, YLA18, YNLY19, ZGB⁺17, ZXJ⁺14, ZWL⁺16, ZFS⁺18, ZWJ⁺18, ABMM18, AR15, AQRH⁺18, ARP14, AHYF19, AS18a, AAM⁺16, AK18b, AMBC19, BK16, BZ19, BAB12, BMH10, Bu18, CMX⁺16, CRM⁺16, CP17, CFMC19, CLM⁺14a, CSJ⁺17, CZXL18, DSBC19, DHW⁺17, DVD12, DQLW15, DR18, DNP14, ECE⁺19, GdCP19, GD10, GK18, GBF⁺12, GCZ⁺19, HMM17, HXY13, HYS17, HYS18, HLT⁺19, IOV⁺18, JJH19, JYY⁺17, JLCC12, JFZL17, KKN18, KKB18, KMT14, KLP19, Kyr19, LBD18, LY17, LY18a, LBM18, LLQS14, LCL⁺16, LLC⁺16, LYY⁺18, LLW⁺19a, LAL⁺15, LSYC18, LC15]. **efficient** [LZXG12, LG16b, LCMX16, LWZ18, LFY⁺19, MNV12, MPP13, MMF16, MP17, MZD⁺16, MLM16, MAÇ17, MMRL17, NRV⁺17, NDA⁺19, NWL17, PSPP16, PPZ12, PDH18, PLP⁺19, PPM⁺18, PF17, PPLL17, QZM⁺18, QMSG12, Qur19, Rao17, RGS18, RCTY19, SB14, SC16, SAGL10, SJTN18, SSSJ19a, SGJ18, SRN⁺18, SCBK⁺16, SK19, SYAL13, SLA⁺16, SLB⁺17, SLY⁺19, TDSH16, TPBS14, VVB13a, VTTK17, VS19, VCD⁺18, VGD⁺19, VGC⁺13, WHMO13, WCC14, Wu16, WPJ16, WHYZ18, WLHH18, XZZ⁺14, XZL⁺19, XDH⁺17, XLL18b, YPLZ17, YYD⁺14, YZWG18, YDT19, ZL13, ZTKF17, ZCL⁺18, ZZSZ18, ZZXL18, ZLL⁺19, ZYCZ19, ZXD⁺19, ZFC17, ZFC18, MPI⁺18]. **Efficiently** [XTF⁺19, ZZC18, BSE⁺13, LFH⁺15]. **effort** [MZC10]. **efforts** [GDZ⁺19]. **EFG** [YGY⁺19]. **EGEE** [FKBG10, VHML10]. **EGI** [DRZ⁺19, SLSS19]. **Ego** [GPJC17]. **eHealth** [FFC⁺18, PZA18, dSGD19]. **eID** [FRZ19, SGGCR⁺16]. **EKF** [BRB19a]. **EKF-MRPL** [BRB19a]. **Elastic** [ISS⁺15, LML⁺19, BKKM11, CRM⁺16, CVKB12, CTVB12, CLNR18, FEPC18, GGS13, LPBB⁺18, LSJ⁺14, MWQ⁺14, SGL⁺19, UDvdW⁺18, MTD18, SJV⁺15]. **Elastic-PPQ** [MTD18]. **elasticity** [Bel16, BBT19, CBLS13, FJL⁺16, HGG⁺14, KC14, LSB⁺18, MAB⁺15, MCdA16, NLV⁺19, dRRRR⁺18, ZTL⁺19]. **elderly** [AMR⁺19]. **eLearning** [FJA⁺18]. **electric** [MHW⁺16, SLTK19, XZZ⁺19]. **electricity** [MHW⁺16, MD12]. **electrocardiogram** [BLL⁺19, DNW⁺19, MdMMNS⁺19, OMPSPL⁺19]. **electrodes** [WPS⁺18]. **electromyogram** [NUPA19, PSI19]. **electronic** [BAB13, CLC⁺19, DLL⁺19, HPP⁺18, YKÖ17, ZDL⁺13]. **Elements**

[CBS17, GBMP13, SMM⁺¹⁴]. **elephant** [AS18b]. **elevated** [WCWC19, WCWC20]. **Eley** [YZI18]. **elimination** [ZHL⁺¹⁸]. **elite** [LZWF19]. **elliptic** [AMN18, MCN⁺¹⁸]. **EMA** [BRB^{+19b}]. **EMA-RPL** [BRB^{+19b}]. **Embedded** [ADH⁺¹⁶, HYZS16, LSAM13, AMR18, CXZ⁺¹⁹, CRRC18, EYY19, FLR⁺¹⁶, QZM⁺¹⁸, STC15, VRGR16, ZDM⁺¹⁹, LLS⁺¹⁴]. **embedding** [CZ12, FBM19, LYS⁺¹⁹, LWSY18, NS19, SYAL13, YHH⁺¹⁹, ZSFZ19]. **emergence** [ZSS⁺¹⁸]. **emergency** [BDM⁺¹⁹, GAW⁺¹⁸, ODC19, RGS18, SSK⁺¹⁹]. **Emergent** [MVCC10, SHRE16]. **Emerging** [AWYJ16, HM19, KLH⁺¹⁸, RR18, YGS16, CDMR19, ZGL⁺¹⁸]. **EMIH** [GSY⁺¹⁹]. **EMIH-FPMIPv6** [GSY⁺¹⁹]. **emission** [JCMPPC⁺¹⁸]. **EML** [TDFZ18]. **emotion** [CPP⁺¹⁸, CC19, DYC⁺¹⁸, LRL⁺¹⁴, YXY18]. **emotional** [ADH⁺¹⁶]. **emotional-based** [ADH⁺¹⁶]. **Emotions** [CRC⁺¹⁹]. **empathetic** [HZM14]. **emphasis** [TAHS14]. **Empirical** [IKLL12, CT19c, GAB⁺¹⁴, RMJ⁺¹⁸]. **employing** [LRC⁺¹⁸, RSY⁺¹⁸]. **empowered** [ML11]. **Emulating** [ACPI19]. **emulation** [FPP⁺¹⁸, SGN⁺¹⁷]. **enable** [MPP13]. **Enabled** [HFT16, ZZLR18, AT19a, ATA19, AKB^{+18a}, ABF^{+15a}, ATM⁺¹⁹, AMPZ16, BS11, DWJM18, FXG⁺¹⁹, IASK14, LSZ⁺¹⁸, LLF^{+18b}, LW18a, MID16, MPC⁺¹⁸, MGN⁺¹⁶, QLM⁺¹⁸, QCY⁺¹⁹, STB⁺¹⁹, TOD17, TAS⁺¹⁸, UKK⁺¹⁹, VOS12, XLL^{+19a}, XXQ⁺¹⁹, XAW⁺¹⁰, YPJ19, GRL11]. **Enabled/disabled** [HFT16]. **enablers** [Bel16]. **Enabling** [AUSA19, BMH10, BP10, CDH⁺¹⁹, EKGS14, GSGPP⁺¹⁹, HGG⁺¹⁴, IJCR19, JRJ⁺¹¹, KDHP16, KPM⁺¹⁸, LCHW14, MGA⁺¹⁹, RMHCMG15, TKK⁺¹⁴, TCN⁺¹⁶, WHBC19, WCKW10, YIA17, ZL13, ZLR⁺¹⁵, AZH18, DFRW17, KPS18, LLAH13, PGCML⁺¹⁹, SSLF⁺¹⁰, WDR⁺¹⁹, YCH19].

Enacting [ACC^{+19b}, CAB⁺¹⁸]. **Enactment** [HMS15, Bal16, JTBS15, dlFVPSHL⁺¹⁴]. **encoder** [LCL⁺¹⁸]. **encoders** [RSY⁺¹⁸]. **encoding** [JLCC12, KP12, TA19, XWM18]. **encrypted** [AHM⁺¹⁸, BGP⁺¹⁷, CDL18, JLC18, KH18b, L XK⁺¹⁴, NJB19, YXD18, YQZ⁺¹⁹, ZFH⁺¹⁸]. **encryption** [AMHJ10, BLL⁺¹⁹, BGP⁺¹⁷, Bro19, CLC⁺¹⁹, CXWT19, DLZ16, DLLZ17, FAA⁺¹⁸, FH13, HQZH14, HZL18a, HFT16, HYS17, HYS18, HYF18, JSMG18, KHMB13, LLL⁺¹⁸, LDZW19, LL16, QRW⁺¹⁸, Wan18a, WDZ19, WZCH17, XZP⁺¹⁹, XTZ⁺¹⁹, YWJ⁺¹⁹, YCT15, ZXJ⁺¹⁴, ZDW⁺¹⁶, GMdFPLC17, LAL⁺¹⁵, Sar18a]. **End** [BGP⁺¹⁷, LOR⁺¹⁸, MGN⁺¹⁶, RHPV17, AHP16, ASAB⁺¹⁸, CWSW14, DJZ⁺¹⁵, GRZ⁺¹⁹, GGC17, LLMP13, LASL16, MWL^{+18b}, PvSS17, PWP⁺¹⁸, RAA⁺¹⁸, RMDB18, Wan18b]. **end-devices** [Wan18b]. **End-to-end** [BGP⁺¹⁷, LOR⁺¹⁸, MGN⁺¹⁶, RHPV17, AHP16, ASAB⁺¹⁸, MWL^{+18b}, PvSS17, RMDB18]. **end-user** [LASL16, RAA⁺¹⁸]. **endoscopy** [KHO⁺¹⁹]. **ENEAGRID** [MDA⁺¹⁹]. **Energy** [ARSMY19, ADA⁺¹⁹, AS18a, AC18, BAB12, BBC⁺¹², BCDP12, BRB^{+19b}, CP17, DQLW15, DDB14, DMM14, DCMW17, GBF⁺¹², GCZ⁺¹⁹, HCHH19, KKvdB⁺¹⁷, KCS14, KV17, LBM18, LGL⁺¹⁷, LYYY18, LSYC18, LG16b, MGT18, MMPF19, NDA⁺¹⁹, OCCK14, PLP⁺¹⁹, RGM⁺¹⁹, SYJ^{+19a}, SCY⁺¹⁸, SZW⁺¹⁹, SLY⁺¹⁹, TuIS⁺¹⁹, THT12, URKM19, VEET18, WKC⁺¹³, WWZC19, WWZ⁺¹⁹, Wu16, WLHH18, XZL⁺¹⁹, YZC⁺¹⁹, YYD⁺¹⁴, ZMTT16, ZZLH18, AK18b, AMBC19, BDP11a, BdM11, BMK^{+14b}, CJ14, CLP⁺¹⁴, DKV14, DPBK16, DSBC19, DYI⁺¹⁶, DNP14, FTK17, GDS18, GFW⁺¹⁸, GAA19, HCMJ19, HFL⁺¹⁹, 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, LIH⁺19, LFY⁺19, LYH⁺19, LCY⁺19b, MNV12, MPF⁺16, Mat18, MZD⁺16, MFSV19, NSSA⁺14, NQQL13, PSPP16, PLLA18, PTD⁺18]. **energy** [PPMM⁺18, QCY⁺19, QMSG12, QCD16, Qur19, RYH⁺19, RCTY19, SHP⁺16, SB14, SMS14a, SSSJ19a, SLD⁺15, SK19, SG15, TSD18, TDSH16, TPBS14, TSGVRGS19, TKA18b, VF18, VVC⁺12, VTTK17, VGC⁺13, WWC14, WLH16, WCC14, XZZ⁺14, XDH⁺17, XDHL12, YPLZ17, ZG19, ZAA⁺14, ZXD⁺19, ZAC⁺18, ZZZ17, dACAM13, vKLA⁺19, DYY⁺19]. **Energy-aware** [ARSMY19, ADA⁺19, BAB12, BCDP12, DCMW17, LYYY18, MMPF19, WKC⁺13, ZMTT16, ZZLH18, BMK⁺14b, HCMJ19, JEB18, KANS18, KSF⁺13, KCS14, LTC12, LPK17, LPK18, NSSA⁺14, ZAC⁺18, dACAM13]. **energy-balancing** [LYH⁺19]. **energy-conserving** [NQQL13]. **Energy-credit** [KCS14]. **energy-driven** [ZAA⁺14]. **Energy-efficiency** [DDB14, SLD⁺15, vKLA⁺19]. **Energy-Efficient** [SZW⁺19, YZC⁺19, CP17, GBF⁺12, LBM18, LSYC18, PLP⁺19, SLY⁺19, Wu16, WLHH18, XZL⁺19, DNP14, JFZL17, KLP19, LLQS14, LZXG12, LCMX16, LFY⁺19, PPMM⁺18, Qur19, RCTY19, SB14, SSSJ19a, SK19, VTTK17, WCC14, XZZ⁺14, YPLZ17, ZXD⁺19]. **energy-incentivized** [BDP11a]. **energy-saving** [CJ14, QCD16]. **Enforcement** [SME⁺21, EKSDN19, Hua10, MG14, MG16, SME⁺19]. **Enforcing** [TTH15]. **engagement** [BDWM17, FTK17, Kim18]. **Engine** [BBCN18, Bal16, DLH⁺17, FPL⁺19, KGT15, RLRC13, SSSJ19b, XLL18b, PS13]. **Engineering** [BLO⁺18, BZS18, GHD19, AC16, AAJ17, BAP17a, BAP17b, SK18, dSSCdL19, Zhu14, ZWMC19]. **Engineering-DiffServ** [BLO⁺18]. **Engines** [HMS15, CMP⁺17, GRCP⁺17, XLZ⁺14]. **enhance** [HCL⁺17, LHX⁺18, MK19b, NNRA19, RM16]. **Enhanced** [HLL12, SMS14a, AMN18, ArMS19, AM19a, BCC⁺17, CT19a, CSP13, DMPS19, HLW12, KID⁺16, KKKM17, KKKM18, NV11, RTS⁺16, RGVGGSSZ14, SLW11, YZN⁺15, ZZZC19]. **enhancement** [BMU18, CHS11, DZZ⁺15, DGA18, LCL⁺19, MYBMM18, SVN10b, WYJ⁺19, ZLT⁺19]. **enhancements** [PSJ⁺12]. **Enhancing** [AMR18, BAKB19, BHE⁺19, CWL⁺18, IPG⁺18, KX11, MZL⁺19, TCH19, YMW13, ZCLW18, AGBR19, HYG⁺19, SMP12]. **enough** [BBD⁺13]. **enriched** [LRJG19]. **Enriching** [KBdLG18, GTM19]. **enrollment** [DEL19]. **Ensemble** [SB18, BMP⁺16, CMT16, CTU19, LPK17, LPK18, LYS⁺19, PPLL17, RGAT18, WLW⁺18]. **ensembles** [IdAP19, MJDN15]. **ensure** [CBT⁺19]. **Ensuring** [MROD10, SYQ⁺19]. **Entangled** [ADDV16]. **Enterprise** [ECA⁺18, SSA⁺19, dVXB⁺11]. **enterprises** [YLL⁺19]. **entities** [LWZ⁺19a, NS19, XLZ⁺14]. **entity** [BZHV19, LXL⁺17, WLLF16]. **entropy** [RDSA18, RGGH18, WLZ⁺14]. **entropy-based** [RGGH18]. **envelopment** [KPS18]. **Environment** [PMDS18, YG18, ANA16, ABB⁺19a, AJY12, AHYF19, AKB⁺18a, AAD⁺13, AK18b, BAJ⁺19, BJ12, Bar11, BKS⁺18, BDZ13, BBMG10, CCL11, CMI⁺19, DJZ⁺15, DL19, DW11, DLMS15, DR18, DCC13, DGdL15, EK11, EHT10, EA17, FMSSM12, FHZW18, FS19, GCK18, GAI⁺18, HKP10, JPB17, JLI⁺13, JOSD19, KVK⁺18, KPA17, KKP19, KTTK17, KCCL18, LLC11, LJLW13, Li18, LTTL19, LJY10, MRT⁺19, MSBA16, MVG⁺14, MRS18b, NRV⁺17, NHH⁺19, PP10, PVN⁺12, POJ⁺16, QZD⁺18, RGAT18, RYH⁺19, RPA⁺18, RGVGGSSZ14, RM11, SV16, SLTK19, SDWS13, STA17a,

SSI19, SGB⁺¹⁸, SYQ⁺¹⁹, TCC18, TZLL18, TMB⁺¹⁹, VSP⁺¹⁴, VKT⁺¹⁹, WCHL10, WY19, XZW⁺¹⁹, XWjZyF19, YLN15, ZZJY16, ZCZ⁺¹⁸, ZZL⁺¹⁰, dFBP⁺¹⁷, BCF⁺¹⁰, LWW⁺¹³]. **Environmental** [YCD⁺¹⁹, BBWB⁺¹⁸, GRL11, PSW⁺¹⁴, RHKC15, VDK12, WTP⁺¹³].

Environments

[ACC^{+19c}, BB17, CCMGF18, CDH⁺¹⁹, TF17, ABC⁺¹⁸, ABS11, ADA⁺¹⁹, ALK15, AMT⁺¹², AFB⁺¹⁰, ACK⁺¹⁵, BML18, BOWD⁺¹⁹, BdM11, BBC⁺¹², BN17, BBB16, BDP11b, BDH14, BCG⁺¹⁹, CPDJ13, CRC13, CFVP12, CFG⁺¹⁹, CBC⁺¹⁹, CFPC17, CCCT14, DVD12, DEG⁺¹⁷, EMM12, FDGR14, FdAGdAFV19, Fri14, FSM^{+18b}, GL19, GKW⁺¹², GCTLA⁺¹⁹, GTSP⁺¹⁹, GKTK15, HFM19, HB19, HCB16, HPP⁺¹⁸, HHW11, JRJ⁺¹¹, JTB13, JTS13, KKB14, KWK16, KH18a, LTMW19, LLS⁺¹⁹, LZCX19, LC15, MCT⁺¹⁵, MOBD18, MROD10, MPPF19, MMRL17, NNRA19, NRR⁺¹⁵, NAD⁺¹⁸, NJ16, NOF18, PBV⁺¹³, PLA18, PECA19, PGTBC18, RPH19, RBN13, RMHMG17, RRH16, SB14, SPdSR⁺¹⁷, SBAD⁺¹⁸, Sip12, SCN⁺¹⁴, SL19, TDFZ18, TCBPR16, TMP15, TAKV12, UMUB19, VPP⁺¹⁹, VCL⁺¹⁹, VD16, WHW16, WSZC18, WHBC19, WSC⁺¹⁹, XTT18, ZGZ⁺¹⁰].

Envy [YLJL18]. **Envy-free** [YLJL18].

ePASS [SCZ⁺¹⁴]. **Ephemeral**

[CCMGF18, CLCMG⁺¹⁸, MOBD18].

epidemic [GRTV10, XL19]. **epidemics**

[OCCK14]. **episode** [AMKM18]. **episodes**

[DDD⁺¹⁹]. **equal** [DMM14, ZXW19].

equal-energy [DMM14]. **equality**

[WZCH17]. **equation** [PCC18].

equilibrium [GPVN19]. **Equivalent**

[WZE19]. **era** [QCX18, SDDG17]. **erasable**

[LY18a, YL16]. **erasure**

[GIM16, HDO16, PWMX17, XWM18].

erasure-coded [PWMX17, XWM18].

Erlang [Tur18]. **Erlang-based** [Tur18].

erosion [YTQ19, YTQ20]. **Erratum**

[DP20, DP21a]. **error** [CCDP19, GHMX10,

KDHP16, LRMS19, WWSL19]. **errors**

[WZE19]. **escalation** [XWRZ19]. **eScience**

[BCJT13, FA11a, HGM15, KZ14, KMZJ16,

MK16a, MK16b]. **eSciGrid** [SAGL10].

ESLEA [SHJS⁺¹⁰]. **ESNET** [ZWD18].

ESPM [LJY10]. **Essence** [PKP19].

Establishing

[BFN18, SZK18, TAB⁺¹⁸, HPP⁺¹⁸].

Establishment [AMAY19, CRRC18,

PGCML⁺¹⁹, XZ14b, ZXW⁺¹⁸].

Estimating [SHH⁺¹⁹]. **Estimation**

[AdvAGF18, KSSG16, CBK⁺¹⁷, HJA⁺¹⁹,

JOPW14, KS18a, KXS⁺¹⁶, KMK⁺¹⁴,

LSL⁺¹⁵, LGZY18, NS17b, PS10, PcFP⁺¹⁷,

RAKJ18, RMDB18, SHP⁺¹⁶, TMDZ15,

WOPW13, YZWG18, YSZW18, ZWZ19,

WSZH18]. **estimations** [IDM⁺¹⁶].

Ethernet [ZWJ^{+19a}]. **ethnic** [HX19].

EUBrazilCloudConnect [FEB⁺¹⁹].

European [CPGBC16]. **EV** [HZLH19].

evacuation [LG18]. **Evaluate**

[YTQ19, LCGPC19, YTQ20]. **evaluated**

[BRXdS11]. **Evaluating**

[ABTA18, HA18, HH19, Len16, LLS⁺¹⁹,

SC19, XWjZyF19, ABMC18, ALFR16,

BBT19, OA17, RMJ⁺¹⁸, VK17].

Evaluation

[CGN18, CYJ19, CPP16, FK12, GLJ19,

KVvE18, MG19, SS17, YD19, AB19a,

ABGMC19, AB21, AMAY19, AZO⁺¹⁹,

AEM10, BGI14, BARMB14, BDZ13,

BMU18, àCKPM19, CCRV13, CHS⁺¹⁸,

GS13, GEAR13, GOLL19, JAAD⁺¹⁶,

JWW14, JFZL17, LSD⁺¹⁷, LW19, LZL^{+19a},

MZC10, RPMG10, SHH⁺¹⁹, TDLC17,

VVB11, VRS⁺¹⁹, WWD⁺¹⁴, ZMP10,

ZWD18, ZXZL18, dSK⁺¹⁹, dOOO⁺¹³].

evaluations [DQC⁺¹⁹, SPR⁺¹⁰].

evaporative [BMZ10]. **Event**

[HCB16, LJ17a, MLW^{+18b}, ML17, NJH⁺¹⁸,

ZSP17, AHYF19, BKB11, BMP⁺¹⁶, FLT17,

JSZ⁺¹⁹, KNI⁺¹⁸, KAP19, KZCW13,

LLG⁺¹⁶, LWXY19, LCCM18, MWQ⁺¹⁴, NJ17, NJ19, PQBP17, PKB19, TCN⁺¹⁶, VETT16, WHMO13]. **Event-Based** [ML17, LWXY19, PQBP17]. **Event-driven** [NJH⁺¹⁸, VETT16]. **events** [AMPS19, DdM10, KBdLG18, KAS⁺¹⁸, LC13, NHH⁺¹⁹, XWL⁺¹⁵]. **Evidence** [AJ19, CPE⁺¹⁷, WW11, WQZ19, ZGZ⁺¹⁰, ZDL⁺¹⁹]. **evidence-based** [WW11]. **evidences** [ACMM19]. **eVLBI** [SHJS⁺¹⁰]. **Evolution** [CSV⁺¹², DDD⁺¹⁹, JGB19, DFLO17, GVBG17, HZL18b, HCX⁺¹⁹, KKS18b, KS18c, LWZ18, LO19, RGVGGSSZ14, TM19, WZL18]. **Evolution-based** [DDD⁺¹⁹]. **Evolutionary** [KOT18, LFL⁺¹⁷, RCMT18, dCTVC18, GKTK15, GLJ19, JGFB18, LWYS18, MDB^{+18a}, MCSA18, NF13, PKB19, SG13, TdPF⁺¹⁷]. **evolutive** [DLDTGMMP16]. **evolvment** [Kyr19]. **Evolving** [DSCJ18, LWXY19, LRBW17, SISGS18, KZS⁺¹⁹, NAD⁺¹⁸, SLB⁺¹⁷, THA⁺¹⁷]. **exact** [CSdCM⁺¹⁷]. **examine** [RDSA18]. **Examining** [NZOCJ⁺¹⁹]. **exams** [CND⁺¹⁹]. **Exascale** [DBD⁺¹⁴, Eng14, FBS18, DYI⁺¹⁶]. **exceptions** [GGLD10]. **exchange** [AHL11, OPT⁺¹⁷, TLSC17, WWW⁺¹⁶, ZA13, ZXWA18, KGdL11, LSH⁺¹¹]. **exchanges** [CKP⁺¹⁹]. **exclusion** [Bag19]. **exclusive** [CXC⁺¹⁸, FLT17, WDZ19]. **executables** [AD18]. **executing** [CCL11, KTTK17, TKA^{+18a}, TVB18]. **Execution** [CBK⁺¹⁷, ANG⁺¹⁹, ATF11, AEK⁺¹⁸, BBI13, CLRL17, CLC11, CsZzG⁺¹³, DJZ⁺¹⁵, DLS14, DGdL15, EHT10, HMM18, KS18a, KHG13, KC14, KuRak⁺¹⁸, KN10, KDG⁺¹⁹, KGT15, LAL⁺¹⁴, LWS⁺¹², MMRL17, NF13, PdAF12, PAB⁺¹⁴, PKB19, QCYJ17, RBC⁺¹⁵, SV16, SHP⁺¹⁶, SPdSR⁺¹⁷, SLC⁺¹⁷, SSSJ19b, TZST14, TGM11, dOWdAS⁺¹⁸, ZZZC19, ZZL⁺¹⁰].

executions [CRVZ15, CdSDS15, HHD⁺¹²]. **EXEHDA** [dSMAdR⁺¹⁷]. **exhibits** [VPA⁺¹⁸]. **exhiSTORY** [VPA⁺¹⁸]. **existing** [BCP18, DGY⁺¹⁸, MFG⁺¹⁴]. **exome** [CMX⁺¹⁶]. **Expanded** [Sha16]. **Expanding** [CGCB⁺¹², SZG⁺¹⁹]. **expansion** [DZLA19, LSCL19, MLL15]. **Experience** [HXL⁺¹⁸, SHS⁺¹⁹, AKB18b, GTCZG⁺¹⁸, KKP19, QLM⁺¹⁸, SSST17, SHH⁺¹⁹, TBB⁺¹⁷, XFM16, dSGD19]. **experiment** [BRNR15, JCA⁺¹⁹, MdOO⁺¹⁷]. **Experimental** [LWW⁺¹⁸, CCT13, CPMG19, DCBF19, IAM⁺¹⁸, MLC⁺¹¹]. **experimentation** [CPGBC16, GTSAR⁺¹⁴]. **experimentations** [VRGR16]. **experiments** [GCV⁺¹⁴, MMVS19, PBC⁺¹⁶, PBC⁺¹⁷, dOWdAS⁺¹⁸]. **Expert** [CAS⁺¹⁸, DBS14, WGM15]. **expertise** [DKFKF18, KZA⁺¹⁸, SG17]. **explain** [NZOCJ⁺¹⁹]. **explicit** [MWPVB12, TSOB15, XLZ⁺¹⁴]. **exploit** [EDH⁺¹³, GGC17]. **exploitation** [SK12]. **Exploiting** [AM17, BCF16, CGIP14, CSL17, CLP⁺¹⁴, MPP13, PQBP17, RGN⁺¹⁸, WC14, CCJ16, CPSRG14, HCC⁺¹⁴, HDO16, HMZ18, KAS⁺¹⁸, VVC⁺¹², XFJ⁺¹⁹]. **Exploration** [BBD⁺¹⁹, BMP⁺¹⁶, DBD⁺¹⁴, RTHB17, RLRC13, SGRT19]. **Exploratory** [CFM17]. **explore** [dSMAdR⁺¹⁷]. **Exploring** [BFP18, DRZ⁺¹⁹, HBN⁺¹³, LWF⁺¹⁷, MKS18, PAL⁺¹⁹, SSW⁺¹⁹, YZW⁺¹⁸, LCY19a, SNC18]. **exponential** [WSL⁺¹⁹]. **exponentiation** [WSQ⁺¹⁶]. **Exposing** [CGL15]. **exposure** [WG13, XYML19]. **expressive** [SCZ⁺¹⁴]. **extend** [MK19b]. **extended** [SCL14, ZGZ⁺¹⁰, ZWWL18]. **Extending** [BDP11b, LWT18, RGDML16, TKTG19, KSC⁺¹⁹]. **Extensible** [MEW⁺¹⁹, SB19b, LKN⁺¹³]. **Extension** [GSY⁺¹⁹, VKK14, ZXW19, ZXJ⁺¹⁴, ZWL⁺¹⁶]. **extensions** [TMJH19]. **External** [LYZC15, BAKB19, CN17, LQK⁺¹⁶].

MFT⁺¹⁷, NHH⁺¹⁹]. **extraction** [ASY⁺¹⁸, Cha11, GWC⁺¹⁶, HZW19, HWWT12, HAAR⁺¹⁹, MdMMNS⁺¹⁹, PRW14]. **Extractive** [CZ19]. **extrema** [PSS⁺¹⁸]. **Extreme** [AMPS19, FRB⁺¹⁴, KNI⁺¹⁸, LJW^{+19b}, WTG⁺¹⁹, dSFP⁺¹⁷, TKRA14]. **extreme-scale** [FRB⁺¹⁴, dSFP⁺¹⁷]. **eye** [KCCL18, MKS18]. **Eyetracking** [PKA19]. **Eyetracking-based** [PKA19].

F [KK19]. **F-DAD** [KK19]. **F2C** [SMBMT⁺¹⁸]. **Face** [GPV⁺¹⁴, CZ12, EU19, HWWT12, HNQ⁺¹⁸, HLL12, LTJK12, LLSL18, PSS⁺¹⁸, YPCK12]. **FaceDCAPTCHA** [GPV⁺¹⁴]. **faceted** [XZ14a]. **facial** [EU19]. **facilitate** [GVdBdL15, XLL18b]. **facilitating** [NAD⁺¹⁸]. **facing** [AAC⁺¹⁹]. **Factor** [AMSPL19, ED19, HDH⁺¹⁸, LWD⁺¹⁴, LNK⁺¹⁸, LW19, LZWF19, RSJ⁺¹⁴, WLS⁺¹⁸]. **factorization** [GGMS18, WTS14, WYL⁺¹⁸, ZCH⁺¹⁷]. **factors** [CN17, LCGPC19, WGM15, CsZW14]. **factory** [AJR⁺¹⁹, HMW⁺¹⁹, HMW⁺¹⁹]. **facts** [CZ14]. **failover** [AS19b]. **Failure** [SSSJ19a, BMR15, DCF19, DNW⁺¹⁹, LPMY18, LJGW18, MSI⁺¹², NLLC19, RRU⁺¹⁸, YIA17]. **Failure-aware** [SSSJ19a, YIA17]. **failures** [BDNP13, GJY18, HA19, JS13, RAdARP19]. **Fair** [CA15b, HCW⁺¹⁸, JJH19, WWW⁺¹⁶, YZ12, GSGPP⁺¹⁹, WXYL15]. **Fair-Play** [WXYL15]. **fairshare** [ÖEE13]. **false** [LY17]. **families** [ZXM⁺¹⁹]. **family** [GGS13, MCG⁺¹⁵, SLW11]. **FAMOUS** [KKA18]. **farming** [KK16]. **farms** [MD12]. **farthest** [FJ18]. **Fast** [BLAN⁺¹⁶, DSK⁺¹⁴, GGN17, GEAR13, LGP⁺¹⁹, MH19, SSK⁺¹⁹, WLP10, XKBA18, ZFY18, CHWW13, DST14, FLT17, HIA^{+18c}, JFZL17, KHMB13, LSZ⁺¹⁶, LPY⁺¹⁸, LLL⁺¹⁹, LC15, LZYC13, NS17b, RRU⁺¹⁸, WWD⁺¹⁴, YIA17, ZA14, MDA⁺¹⁹].

FastDesk [SWW⁺¹⁸]. **fat** [WWQ⁺¹⁸]. **fat-tree** [WWQ⁺¹⁸]. **Fault** [DK14, GCV⁺¹⁴, LYW⁺¹⁶, SE19, SAPA17, ABF^{+15b}, AFB⁺¹⁰, AGKZ18, AMR18, CLZ18, CXZ⁺¹⁹, CY12, CCL11, DZZ⁺¹⁵, GdVC10, LCBF13, PIP18a, RWZ⁺¹⁹, SPR⁺¹⁰, WWSL19, WDR⁺¹⁹, WHCW19]. **fault-prone** [AGKZ18]. **fault-tolerance** [WDR⁺¹⁹]. **Fault-tolerant** [DK14, GCV⁺¹⁴, LYW⁺¹⁶, AFB⁺¹⁰, CXZ⁺¹⁹, DZZ⁺¹⁵, LCBF13, RWZ⁺¹⁹, SPR⁺¹⁰, WHCW19]. **FBAC** [YWJ⁺¹⁹]. **FCA** [BCdV⁺¹⁹]. **FCA-based** [BCdV⁺¹⁹]. **FCM** [GGN17]. **FDE** [KKB⁺¹⁹]. **fear** [MGA⁺¹⁸]. **Feasibility** [OMPSPL⁺¹⁹]. **FEATHERS** [BAKB19]. **Feature** [MWQ⁺¹⁹, SLD⁺¹⁸, AUSA19, AAM⁺¹⁹, CZY⁺¹⁹, Cha11, CMI⁺¹⁹, CWUS19, DH16, FTK⁺¹⁴, GLC19, GNGG17, HZW19, HLZ⁺¹⁹, HX19, JLS19, JLQZ18, KP18, LZL⁺¹², LHY⁺¹⁹, MBC⁺¹¹, MdMMNS⁺¹⁹, MZYA19, MDD15, MGA⁺¹⁸, MBA19, NK18, PCC18, PSS⁺¹⁸, QCZH19, dSSCdL19]. **Feature-based** [MWQ⁺¹⁹, LHY⁺¹⁹]. **Features** [NS17b, AMBB18, AKP⁺¹⁸, AGA18, BLMU19, CPP⁺¹⁸, CAL⁺¹⁸, FNA12, GAFFOG12, KHO⁺¹⁹, LYC⁺¹⁹, LYXT14, LZL19b, SHL^{+19a}, WLZ⁺¹⁴, XPL19, YXY18, YGY⁺¹⁹]. **FEC** [EBCP18]. **Federate** [BCF⁺¹⁰]. **Federated** [BR10, DRZ⁺¹⁹, APAZ17, AK14, CFVP12, dCCDFdO15, CGJ⁺¹⁰, GCV⁺¹⁴, HFM19, PP10, PBV⁺¹³, PFRC16, PPL⁺¹⁵, SLB⁺¹⁷, SLZ⁺¹⁸, ZZDM⁺¹⁸, EH10, Lea13, Lea15]. **Federation** [FMN⁺¹⁷, VHML10, COC10, KBB⁺¹⁶, TOS18, YNSM12, CCM⁺¹⁴]. **federations** [Erd13, FRZ19, MLM16, MPR⁺¹⁶, PVGD⁺¹⁹, RMHMG17]. **Feedback** [GSLI12, CWJ^{+18a}, PQBP17, ZXD⁺¹⁹]. **Feedback-based** [GSLI12]. **feeding** [KO11]. **FENNEL** [SLG⁺¹⁷]. **Fermat** [WTS14]. **fetch** [GTMZ17]. **fetching** [SR12]. **FGCS** [CRW⁺¹⁶, GVTdL18, PC18b, SZV19]. **FHE**

[MS19]. **FHE-based** [MS19]. **Fi** [AKM18, DCBF19, KWB19, SLS10]. **fiber** [WXZ⁺18a]. **fidelity** [LBD⁺19]. **field** [CGIP14, HPP⁺18, KS17a, LZH⁺18, LLU⁺18, SMC18, TSTL16]. **fight** [WZH⁺18]. **File** [AHEM17, DLXR14, GTMZ17, KO11, Li15, MLG13, MFL18, MM18, MMLO18, SYQ⁺19, USK16, UDvdW⁺18, WLP10, WZS⁺18, YCY10, YSC⁺15, ZSX⁺15, MBC⁺11]. **files** [LLF⁺18a]. **filesystem** [ZYZ⁺18]. **filter** [GCTLA⁺19, HAA⁺16, HIA⁺18c, JYZ⁺18, LLW⁺19a, NUPA19, SGB⁺18, WLL⁺19a, WC14]. **filter-bank** [NUPA19]. **filter-wrapper** [HIA⁺18c]. **Filtering** [KMC18, LZY⁺19b, CLAL19, DCC13, EAA16, GCD⁺18, GDAS18, KKB18, LCL⁺16, LCW⁺18, LQLX10, MG19, MVG18, PQBP17, RW18, TQL⁺19, ZRZ⁺14]. **Filters** [ML17, LLYW19, ZL13]. **FIM** [HDH⁺18]. **financial** [AMI16, KK14, PKP19, QGT⁺18, WGC19]. **find** [BGRBA19]. **Finding** [BBH18, CSdCM⁺17, LXM⁺18, LG18]. **Fine** [SJ18, AMBB18, CZZ⁺18, JLY⁺18, LCL⁺18, LZLL18b, LZHY19, MLW⁺18a, VVB11, WWH⁺19, WC14, XTL⁺19, XYML19, YAX⁺18, ZMP10, ZSL⁺19b]. **fine-grain** [WC14]. **fine-grained** [AMBB18, CZZ⁺18, JLY⁺18, LZLL18b, LZHY19, MLW⁺18a, VVB11, WWH⁺19, XTL⁺19, XYML19, YAX⁺18, ZMP10, ZSL⁺19b]. **fine-tuning** [LCL⁺18]. **finer** [ZFS⁺18]. **finer-grained** [ZFS⁺18]. **finger** [LWF⁺17]. **fingerprint** [GAFFOG12, LZL⁺12]. **fingerprinting** [KPB18, RS17b]. **Finite** [XWW19]. **Finite-State-Machine** [XWW19]. **FinTech** [LLW⁺19a, MZL⁺19, NAAC19]. **FIPIP** [JLY⁺18]. **firefly** [LZWF19]. **firewall** [HCNT14]. **first** [Che13a, GTCZG⁺18]. **Fisher** [CLY14, HLL12]. **FitCNN** [LYL⁺19]. **Fitness** [JGB19, CZL⁺18b]. **fitting** [CLC11, MK19a]. **fixed** [LZL⁺12]. **fixed-length** [LZL⁺12]. **fixture** [LSW⁺19]. **Flame** [VETT16]. **Flame-MR** [VETT16]. **flash** [DLZ⁺14, LPK17, LPK18, SCH⁺19]. **flash-based** [SCH⁺19]. **flash-flood** [LPK17, LPK18]. **Flat** [OCCK14]. **flexibility** [CAB⁺18]. **Flexible** [CRC13, LCBF13, MWL⁺18b, YXZG18a, AHP16, BZMY10, Bar11, DKJ19, FTD17, HLL⁺11, IG12, LTC⁺19, NOF18, RPH19, SGS⁺18, TMP15, WCL⁺17a, WDZ19, YCXW18, ZAB15, ZFH⁺18]. **Flight** [JCA⁺19]. **Floating** [MDM⁺19, KXS⁺16]. **flood** [LPK17, LPK18]. **flow** [ABMESM18, CT19a, CT19b, CAL⁺18, FM10b, GS15, GXL⁺18, KLJS19, LGP⁺19, LPS19, LRC⁺18, TMJH19, XSMS15, XDH⁺17]. **flower** [GHEB⁺18, GHEB⁺23, GJ18]. **flows** [CEP19a, HAF⁺16, KDHP16, KC19b, KGT15, WBJM14]. **Flubber** [JLI⁺13]. **fluid** [GPS⁺17, WJLW18]. **Flux** [DDJ⁺13]. **fly** [BTM10, HPZL18]. **flying** [SNP19]. **focal** [AHD⁺19]. **focused** [CY12]. **Focusing** [HPP⁺18]. **foetal** [LQF19]. **Fog** [FSV⁺19, MMC⁺18, NWT19, PDH18, PGTBC18, SM18, VRS⁺19, WZH⁺18, AZH18, AkBAL⁺19, CLCY18, CdRRdCB19, FXG⁺19, FFC⁺18, GLJ19, HDA⁺19, HCW⁺18, HXC⁺18, IFD⁺19, JSMG18, KGS⁺19, KH18b, LLYW19, LDY⁺18, LLZ⁺18b, LYH⁺19, MWL⁺18b, MGA⁺19, NDA⁺19, NLS19, PRL⁺19, PSY⁺19, QRW⁺18, RGN⁺18, RR18, TuIS⁺19, TGM⁺19b, VCL⁺19, VKT⁺19, WWDF18, Wan18a, WDKV19, WPS⁺18, WSY⁺19, YSHM19, YAX⁺18, ZCX⁺18, ZCL⁺18, ZZF18, ZSL⁺19a, ZSW⁺18b, AkBAL⁺19, KK19, RLM18, SMBMT⁺18, YXA⁺18]. **Fog-2-Fog** [AkBAL⁺19]. **Fog-assisted** [VRS⁺19, NDA⁺19]. **Fog-based** [WZH⁺18, WWDF18, KK19]. **Fog-cloud** [SM18, LDY⁺18]. **fog-computing-based** [PSY⁺19]. **fog-driven** [FFC⁺18]. **fog-enabled** [FXG⁺19]. **Fog-to-Cloud** [SMBMT⁺18]. **fog/edge** [RR18]. **foggy**

[CLCY18]. **fold** [AHMS18]. **folding** [SSLF+10]. **followee** [CCJ16]. **following** [MYW+19]. **foot** [XL19]. **footprint** [BEWZ10, DYI+16, LYW+18b, VVC+12, KK11]. **footprints** [WNR19]. **foraging** [LLES19, RC13, VR12]. **Force** [VLAC+13, FZT+18]. **forecast** [LCL+18]. **Forecasting** [PLA18, CLRL18, Che14, HZL18b, JH16, KSSG16, LPK17, LPK18, LLW+18a, Lin18, PGTBC18, SG15, YGY+19]. **Forensic** [SK18, ACMM19, DC18b, KMST19, QC13, QC18, VOCHC17, XFTZ16, KKA18]. **Forensics** [JL14, AAI+19, ASA19, CDFW18, LCHW14, PD11, YHA+19]. **forest** [BYL+18, IdAP19, JNHL18]. **forest-based** [IdAP19]. **Fork** [LTC+19]. **Fork-free** [LTC+19]. **form** [GTSAR+14, HXY13]. **Formal** [PLCGS11, AMMC18, MKM11, VV16, XYLZ18]. **formalism** [BGI14]. **formalisms** [OCW14]. **Formalization** [WZ16, ZW10]. **formally** [HKA+18]. **format** [AHL11, ZWL+16]. **formation** [DBS14, FMRS18]. **forming** [FZT+18]. **forms** [YCZJ18]. **formula** [RS16]. **fortification** [KPS18]. **forward** [KDHP16, KJ18, LAQ+19, NJB19, KS17a]. **Forwarding** [KIMR15, FFL+19, LGP+19, MDB+18b, MVL18b, MRS18b, RWO+19, WZWW18, ZCW11, ZCDV19]. **FOSS** [JMAG19]. **found** [SSLF+10]. **foundation** [XLL+19c]. **four** [SYCH18, CsZW14]. **four-band** [SYCH18]. **Four-factors** [CsZW14]. **Fourier** [LZL19b]. **foxtail** [DJJ+18]. **FPGA** [ABF+15a, SAVS19]. **FPGA-based** [ABF+15a]. **FPGAs** [CJPC19]. **FPM** [CsZW14]. **FPMIPv6** [GSY+19, GSY+19]. **fractal** [IASK14]. **fraction** [WTS14]. **Fractional** [BWR12, BW13]. **fractures** [RBGA18, WWP19, WWP20]. **fragmentation** [MSE19]. **Fragmented** [ML17, CCS+10, FdAGdAFV19]. **Fragmented-Iterated** [ML17]. **frame**

[JLY+18, LYS12]. **Framework** [ACC+19a, ABTA18, GTEL+18, KV17, MK19a, MPI+18, MWMA10, SME+21, SDK19, WWVJ17, YAA+19, ABMM18, ABMC18, ABMMC18, AB19a, ABGMC19, ABM19, AB21, ABMMC22, AAF18, AK19, ASAB+18, AT18a, AASI17, AB18b, ASA19, BAKB19, BBT19, BGS+19, BOP+14, BDH14, CCL19, CVT19, CPGdS+13, CMEA+19, ÇBCA15, CKR16, CCS+10, CFPC17, CCDP19, CGM+18, DMPP16, DPS16, DLL+19, EAA16, FTA+14, FHYH15, FJA+18, FPGK18, GVB13, GGC17, GAMC19, GvBdL15, GMP+17, GIK18, GBKJ18, HAP15, HHK18, HEES19, HMA+18a, HLL+11, HXC+18, HAA+16, HIA+18c, HPL+19, IFD+19, ISS+15, JSZ+19, KSF+13, KC14, KSS19, KH19, KPA17, KuRAk+18, KIJ+19, KAS+18, KGLY18, LQK+16, LKJ+19, LLF+18b, LvW14, LLM+16, LSL+18, LYL+19, LKK+16, LSJ+14, LQF19, LWZ+19b, MML+18, MNV12, MID16, ML11, MMLO18, NK15, NJ18, NJ16, NOF18, NAAC19]. **framework** [NAM+19, Osm19, ÖE13, PBV+13, PLCGS11, PSW+19, PMT10, PcFP+17, Qur19, RBA17, RSRA18, RAdARP19, SME+19, SRZD15, SMPC12, SYJ+19a, SA14, SBAD+18, SCLC19, SMSF18, SAK+10, SG14, SDC11, SYW17, SGS+18, SBK18, SYAL13, SLB+17, SDH+19, SJSA19, TZL+18, TY11, VK17, WLLF16, WMQ+16, dOWdAS+18, WLA18b, WG13, WHYZ17, WHYZ18, XFLL16, XWRZ19, YMLT13, YSC+19, YPHZ14, YCZJ18, ZSX+15, ZCK+15, ZYTC15, ZMN19, ZZQ+13]. **frameworks** [BDP11a, DJ13, EET18, HZZ+14, IAM+18, MGT18, VEET18]. **fraud** [AAC+19, CLS+19b, SC19, ZZH+18]. **FRDT** [KK11]. **Free** [KTB18, CWL+18, CWW+16, ED19, FZW+18, GWW+19, LTC12, LZLL18a, LGP+19, LTC+19, LL16, PWA+19,

SMM⁺¹⁴, TJ18, WSU⁺¹⁰, YLJL18]. **free-riding** [WSU⁺¹⁰]. **frequency** [AQB15, CJHH13, IPCA⁺¹⁶, KANS18, KWB19]. **frequent** [CEP19b, ÇÖ13, CLM14b, IHA18, KZCW13, LY17, LC15, LHW⁺¹⁸]. **fresh** [GWC⁺¹⁶]. **freshness** [JZJ⁺¹⁸]. **friend** [MML⁺¹⁸]. **friendly** [ABB^{+19a}, KuRAk⁺¹⁸, KLW⁺¹⁶, WHZ19]. **frog** [LCW⁺¹⁸]. **front** [GRZ⁺¹⁹, LLMP13]. **front-end** [GRZ⁺¹⁹, LLMP13]. **Frontier** [KPG19, GML⁺¹³, TZST14]. **FRP** [RRU⁺¹⁸]. **fruit** [HPZL18]. **fruits** [HMA18b]. **FTL** [PLZX19]. **Full** [JZJ⁺¹⁸, BRL19, JK17, SCJ^{+19a}, WGX⁺¹⁹, ZLL17a]. **fully** [CCL11, HKS18, TY11, ZXJ⁺¹⁴]. **Function** [YWJ⁺¹⁹, MCJ19, SLL⁺¹⁸, SLY⁺¹⁹, WLXZ18, ZSL^{+19a}, ZZBZ19]. **Function-based** [YWJ⁺¹⁹]. **functional** [BBH18, BRHH18, GSV⁺¹⁰, YAO14]. **functionality** [KID⁺¹⁶, MK19b]. **functions** [BBH18, CNR19, FJKK17, HH19, KTB18, YCL⁺¹⁹]. **fundamental** [AGKZ18, EHT10, YH18]. **fungible** [ABP18]. **fungus** [Jun18]. **FuSeR** [SMZ⁺¹⁶]. **Fusing** [GJ18, LYXT14]. **Fusion** [SCG⁺¹⁸, AAM⁺¹⁹, CMZ⁺¹⁸, DGA18, FTK⁺¹⁴, GHEB⁺¹⁸, GHEB⁺²³, GCCL18, sGbKS19, HLZ⁺¹⁹, Ima19, JYZ⁺¹⁸, KCCL18, LSL⁺¹⁵, LWT18, LYW^{+18b}, LFY⁺¹⁹, LZY⁺¹⁶, PCC18, TCC18, YLVY15, YZG⁺¹⁸, dFPFG19]. **Future** [AB19a, AB21, ABMMC22, ADALZ14, BFS^{+17a}, Bo20, ChK11, Cha14b, CDFZ16, DP20, DP21a, DP21b, DO15, GHEB⁺²³, HYZS16, HZX⁺²⁰, HYS18, JLC⁺²⁰, LBJ⁺²⁴, NDZ^{+18a}, NDZ⁺¹⁹, SME⁺²¹, WWP20, WCWC20, YWG⁺²⁰, YTQ20, ZMZ⁺²⁰, wZcZN⁺²⁰, AR18, AS19a, ACSdRR17, AGMT17, BS17, CLCY18, GBMP13, KARP14, LLMP13, MYBMM18, PTD⁺¹⁸, PWA⁺¹⁹, QKC19, TSS⁺¹⁹, URC19, URKM19, Zhu14, dCTVC18]. **fuzzifying** [YH18]. **fuzziness** [FLR⁺¹⁶]. **fuzziness-embedded** [FLR⁺¹⁶]. **Fuzzy** [AS18b, HZL18b, IS18, KLV⁺¹⁸, NDZ^{+18a}, NDZ^{+18b}, NDZ⁺¹⁹, RRKA19, SMZ⁺¹⁶, XL19, Alp18, Bag16, Bu18, CPE⁺¹⁷, Che14, CAL⁺¹⁸, Che18, DNW⁺¹⁹, GBY16, KHMB13, LSZ⁺¹⁶, LZL^{+19a}, LAH10, LWYS18, MLGGB⁺¹⁷, OMD⁺¹⁸, RAKJ18, SYJ^{+19b}, YAO14, ZZS⁺¹⁹, ZDW⁺¹⁸]. **FvRS** [XTF⁺¹⁹].

G [AT19a, AVPV17, DPK⁺¹⁹, FNA12, NLS19, WTR⁺¹³, YYS⁺¹⁹]. **G-enabled** [AT19a]. **G-Hadoop** [WTR⁺¹³]. **G-SPAMINE** [AVPV17]. **GA** [HMH17]. **gain** [JCL⁺¹⁹]. **Gait** [AAN⁺¹⁸, LZL19b, WCB⁺¹⁸]. **Gait-based** [WCB⁺¹⁸]. **gallstones** [YWLL19]. **Game** [FEPC18, IS18, KIMR15, LKCS18, YLWW18, ZCDV19, AY16, DPL14, FAL⁺¹⁹, HS19, HSBE19, JLQ⁺¹⁷, JLCC12, JCL⁺¹⁹, KMC18, KK14, LJ17b, LN13, LY19, LWYS18, SSHC19, SSJ19, SBK18, TLSC17, WWRS16, YMY⁺¹⁷]. **game-based** [FAL⁺¹⁹, HSBE19]. **game-theoretic** [JLQ⁺¹⁷, JLCC12, KK14, TLSC17]. **games** [AW19, JLQ18, LCC19, YC13]. **GAMESH** [BCC⁺¹⁷]. **GAN** [TA19]. **Gang** [PK11]. **gap** [Bha18, NJKF18]. **gaps** [KAW12]. **Garbled** [WMK16, AEK⁺¹⁸]. **GARCH** [Lin18]. **gas** [HHM⁺¹⁹]. **gastroscope** [DLL⁺¹⁹]. **Gate** [RCW⁺¹⁹]. **Gateway** [FEB⁺¹⁹, MPLM18, ACCM19, DRZ⁺¹⁹, GRZ⁺¹⁹, KZS⁺¹⁹, MDA⁺¹⁹, SVB⁺¹⁹, SDF⁺¹⁹, SG19, ZZBZ19]. **Gateways** [GDZ⁺¹⁹, BOWD⁺¹⁹, GDP⁺¹⁸, GLD^{+19a}, GRCP⁺¹⁷, KS19, RGN⁺¹⁸]. **Gather** [FD12]. **Gathering** [GDP⁺¹⁸, FG18, SNP19]. **gatherings** [KVK⁺¹⁸]. **gating** [LLC14a]. **Gauss** [Jun18]. **Gaussian** [GSC⁺¹⁹, KKB⁺¹⁹]. **Gazetteer** [CAS⁺¹⁶]. **GbE** [WLRL18]. **Gbps** [KSW⁺¹³]. **GC** [SEPV19]. **GC-Wise** [SEPV19]. **gCube** [ACC^{+19c}]. **Gearing** [WMJW18]. **GenApp** [SB19b]. **gender** [CPW19, RSY⁺¹⁸]. **gene** [JLC⁺²⁰, MSS⁺¹⁶,

YWG⁺¹⁹, YWG⁺²⁰, YPJ19, KBVH14]. **Gene/Q** [KBVH14]. **Gener** [AB19a, AB21, ABMMC22, BFS^{+17a}, Bo20, Cha14b, DP20, DP21a, DP21b, GHEB⁺²³, HZX⁺²⁰, HYS18, JLC⁺²⁰, NDZ^{+18a}, NDZ⁺¹⁹, SME⁺²¹, WWP20, WCWC20, YWG⁺²⁰, YTQ20, ZMZ⁺²⁰, wZcZN⁺²⁰]. **General** [CJXX19, BRNR15, FWB13a, GXW⁺¹⁹, HQZH14, LLT⁺¹⁹, PCC18, VVB11, WJZ⁺¹⁷]. **general-purpose** [BRNR15]. **generalizable** [LvW14]. **generalization** [WWZZ18]. **generalized** [BCdV⁺¹⁹, PSLZ18]. **generated** [AHL11, DGGH11, HHXL13, LZP⁺¹⁸, LJ19b, RTHB17, SK18, ZHL⁺¹⁸]. **Generating** [JWW14]. **Generation** [ChK11, DO15, HYZS16, LJ17a, LBJ⁺²⁴, BDP11a, BGC19b, CJXX19, CsZzG⁺¹³, DCMB15, DQXW19, GLM⁺¹², GMdFPLC17, HCX⁺¹⁹, KVR15, KHMB13, MYBMM18, MVL18b, MR19, NDZ^{+18a}, NDZ^{+18b}, NDZ⁺¹⁹, OMPSP19, PJDO13, SB19b, VB18, YCZJ18, ZCX⁺¹⁸, ZNC⁺¹⁸]. **generators** [RNR18]. **generic** [DSPA18, FK11, GD10, LKK⁺¹⁶, MRT⁺¹⁹, SMSF18, TKA^{+18a}, TCN⁺¹⁴, WMC19]. **Genetic** [JGB19, PMK18, ATF11, ACCD17, BRL19, DC19, DSCJ18, GdVC10, ISS⁺¹⁵, KX11, MGA⁺¹⁸, MRN19, PC18a, SF19, WYBS11, WLQ10, ZRZL18, ZLG⁺¹⁴]. **genetic-based** [KX11]. **genomic** [JHC10, LJW^{+19a}, SBA⁺¹⁷]. **genomics** [CJPC19, OdOD⁺¹³]. **Genotypes** [JGB19]. **geo** [KB18, KKBK19, MPC⁺¹⁸, WLA18b, XWZ⁺¹⁹, ZBF14, DWJM18, YMY⁺¹⁷]. **geo-collaborative** [ZBF14]. **geo-crowdsourcing** [WLA18b]. **geo-distributed** [KB18, KKBK19, XWZ⁺¹⁹, YMY⁺¹⁷]. **Geo-QTI** [DWJM18]. **geo-replication** [MPC⁺¹⁸]. **geographic** [CES⁺¹⁹, DWJM18, LC17]. **geographical** [CSL17, MBV⁺¹⁵]. **geographically** [ZB19]. **geometric** [SHL^{+19a}]. **Geometrical** [SNXB17]. **geometry** [WWA19]. **geoparsing** [CGZL19]. **geoscience** [FFPS10]. **Geospatial** [GFD14, CCM⁺¹⁴, CPLH19, CGL⁺¹⁰, DGGH11, KZS⁺¹⁹, LJ19b, MPP13, SBD⁺¹⁸]. **geostatistics** [SDST18]. **geriatric** [HZM14]. **gestures** [CRRC18]. **getting** [PECA19]. **giga** [PDK10, PDK10]. **giga-pixel** [PDK10]. **Giga-stack** [PDK10]. **gigabit** [KDHP16]. **GIS** [FCD⁺¹⁴, WZW19b]. **GISs** [LZXW13]. **Giving** [GTSAR⁺¹⁴, GTCZG⁺¹⁸, IG12]. **GJMF** [ÖE13]. **gland** [WZF⁺¹⁹]. **gLite** [AAB⁺¹⁰, KMV⁺¹⁵, VKK14]. **Global** [MWYC12, BOWD⁺¹⁹, CLL18b, GJ18, LSAM13, LCdPMCT19, MLC⁺¹¹, MVC⁺¹³, PSJ⁺¹², RRB10, SCAC⁺¹⁹, LNK⁺¹⁸]. **Globus** [CLM⁺¹⁶]. **glottal** [YXY18]. **GMA** [WNR19]. **GMBS** [KK10a]. **GMonE** [MSM⁺¹³]. **Go** [CDH⁺¹⁹]. **good** [SOA17]. **goods** [MEBA12]. **Google** [PS13]. **GoSharing** [LWZ^{+19b}]. **gossip** [AMRM18]. **Gossiping** [Fer13, ECPF17a]. **gouty** [YTQ19, YTQ20]. **governance** [BDH14]. **Governing** [IPCA⁺¹⁶]. **Government** [LLW^{+18b}, SDK19, WLA18b]. **governmental** [PSY⁺¹⁹]. **governors** [KANS18]. **GPaaS** [HB19]. **GPGPUs** [OSC14, ZXL⁺¹⁸]. **GPOS** [JK17]. **GPU** [ADH⁺¹⁶, CDG⁺¹⁴, CPSD18, CSdCM⁺¹⁷, CSP13, DNJG17, HSP⁺¹³, KDHP16, LZX16, MAPA19, RBJ⁺¹³, VD16, WMQ⁺¹⁶, vW19]. **GPU-accelerated** [HSP⁺¹³, LZX16]. **GPU-based** [MAPA19]. **GPUs** [CJPC19, CCZ⁺¹⁹, RNR18, vWMBS14]. **GRADE** [FK11]. **gradient** [LMCSE19, MWL18a, RJS⁺¹⁹]. **grain** [WC14]. **grained** [AMBB18, CZZ⁺¹⁸, JLY⁺¹⁸, LZLL18b, LZHY19, MLW^{+18a}, SJ18, TKK⁺¹⁴, VVB11, WWH⁺¹⁹, XTL⁺¹⁹, XYML19, YAX⁺¹⁸, ZMP10, ZFS⁺¹⁸, ZSL^{+19b}]. **gram** [ZXM⁺¹⁹]. **Granary** [YZW14]. **granularity** [MVC⁺¹³]. **Graph** [MFC⁺¹⁹, VSDD13, AdI14, AB18a, ADLM18, BGC^{+19a},

CWJD19, CWJ16, CWJ^{+18b}, CGM⁺¹⁸, HO17, HB19, HDH⁺¹⁸, kHsZwJW18, HZ19, JHC18, JLD⁺¹⁹, LWXY19, NS17a, NJ19, NS19, QCZH19, SLG⁺¹⁷, SMM⁺¹⁴, WWH⁺¹⁹, HB19, KWR⁺¹³]. **Graph-based** [MFC⁺¹⁹, HO17, SMM⁺¹⁴]. **graph-regularization** [QCZH19]. **graphical** [MZL⁺¹⁹]. **graphics** [GXW⁺¹⁹]. **graphs** [BR19, BKB18a, DCMB15, DKFKF18, GRMSOG18, JWW14, KKI14, LYW^{+18a}, LSG18, LL18, MG11, Nag16, WWG^{+19b}, vdLLE19]. **GRASP** [PFRC16]. **GRASP-based** [PFRC16]. **Gravitational** [CT19b]. **gray** [CSG⁺¹⁸, GDAS18]. **gray-box** [CSG⁺¹⁸]. **Greedy** [SOD18, SOM⁺¹⁹]. **greedy-proof** [SOM⁺¹⁹]. **Green** [GDS18, KJFS12, NNLH18, YZZC19, DWS12, GCZ⁺¹⁹, HCHH19, LLW^{+12a}, LJL12, MMPF19, TuIS⁺¹⁹, WCC14, YLHJ14, BMK^{+14a}, ZSH12]. **greener** [DKK⁺¹³, VTTK17]. **Greening** [GFW⁺¹⁸]. **GreIc** [FNA11]. **grey** [CT19a]. **GREYC** [AGBR19]. **GREYC-Hashing** [AGBR19]. **Grid** [AJY15a, AJY12, AJY15b, AC10, BB13, CMA11, CPGBC16, CC11, CCM⁺¹⁴, JY15, KCH⁺¹³, MJRM16, NJ16, PAC⁺¹⁷, AMN18, AOIS10, ASW11, AT18b, ATA19, AAQ⁺¹⁹, AMT⁺¹², AEM10, AH11, BCC⁺¹⁷, BMH10, CSV⁺¹², CLL⁺¹⁴, CPSRG14, CCCT14, DST10, DW11, DLS⁺¹², EK11, EMM12, FG18, FK12, FMSSM12, FQBCF15, FFPS10, GD10, GSV⁺¹⁰, GFW⁺¹⁸, HAP11, HHW11, ISS⁺¹⁵, KVR15, KZ17, KIS11, KCK16, KCV11, KV12, KKL11, LLC11, LYJ10, LXJD18, MCN⁺¹⁸, MLC^{+18a}, ML11, MGR11, MLBS11, MW12, MVCC10, NAGD18, OB17, ÖE13, PSS13, RRS10, RC13, RLP12, RWV⁺¹³, RMCMD12, RM11, SMP12, ST11, SPR⁺¹⁰, SSKK13, TV16, TSBH11, VS13, VHML11, VR12, WY17, YHL⁺¹⁹, YY11, ZCLW18, ZZY⁺¹⁹, CS19, FGM11, MM10, AR10, AM10, BKB11, BP10, BR10, CWW⁺¹³, COC10]. **Grid** [CS12, CCD⁺¹⁰, CGL⁺¹⁰, DSD⁺¹¹, GRL11, HKPT10, HJC10, JS12, KWR⁺¹³, KMI11, KRZ12, KN10, KVHT10, Li10, LSL⁺¹⁵, MBB10, Mer13, MWMA10, MG10, NF13, NJHT11, PP10, PBC⁺¹¹, PDDS10, RMCN⁺¹⁰, RGC⁺¹⁰, SAGL10, SBB⁺¹⁰, STA17a, SIL⁺¹³, SSLF⁺¹⁰, TLL⁺¹¹, VPT⁺¹⁰, WCHL10, WXZL11, XA10, XAW⁺¹⁰, YW12, ZMP10, ZLTY10]. **grid-based** [CSV⁺¹², LYJ10, MW12, YHL⁺¹⁹]. **Grid-computing** [YW12]. **Grid-enabled** [GRL11, XAW⁺¹⁰]. **Grid-enabling** [SSLF⁺¹⁰]. **GridFTP** [RSK16]. **gridification** [MZC10]. **Grids** [HAP15, YCY10, ZS16, ACH⁺¹¹, AR15, AWN⁺¹³, ASD12, BMT12, CLH10, CH10, CCS⁺¹⁰, CGJ⁺¹⁰, DVB14, DPL14, GCBM17, Hua10, HBN⁺¹³, IAL10, KK10a, KK11, KX11, KKW⁺¹⁴, KJ12, KK10b, KIC12, LLpC12, LAH10, MLG13, MGV⁺¹⁸, MWPVB12, MVC⁺¹³, OM10, PS10, PT16, PGCC⁺¹⁰, QPTGG⁺¹², RRB10, RAaARP19, SR12, SHBP10, SPMC10, SEMJ11, SSL12, SCCS11, SAC11, SSB13, TZBK13, TJWS10, TPBS14, Tor13, VKK14, XY15, ZZL⁺¹⁰, AL14, CB10, EH10, GXL⁺¹², GBS10, Lea13, Lea15, RPMG10, SVN10b, VDTK12, WS10, XCGD10]. **GridSim** [HLW12]. **GridUFO** [MWMA10]. **GridWay** [RMHCMG15, TCR⁺¹²]. **GridWay-based** [TCR⁺¹²]. **GriF** [ML11]. **groundwater** [ZWZ19]. **Group** [AJY15a, CB10, WLL^{+19b}, Bag11, BCF16, CDDR17, CLM⁺¹⁶, CWJ16, FMRS18, GCK18, GZL⁺¹⁸, GNVST14, IOV⁺¹⁸, LO19, MHC14, NWD⁺¹⁸, RLP12, SCEC18, SOM⁺¹⁹, VCDK18, YZL⁺¹⁸, ZLL⁺¹⁹, GvBdL15]. **Group-based** [AJY15a, CB10]. **group-key** [IOV⁺¹⁸]. **grouped** [PWX17]. **groups** [BCF16, ZZ15]. **growing** [YJHZ14]. **growth** [KZCW13]. **GSA** [CGSJ18]. **GSP** [KSS11].

GSR [LC17]. **GTSIM** [ZCDV19]. **GTSIM-POP** [ZCDV19]. **guarantee** [CMG⁺19, LGL⁺17, SCZ⁺14]. **guaranteed** [KLP19, XTT18]. **guaranteeing** [CM17, LLW⁺12b, UDST19]. **guarantees** [GJF⁺12, LHPC⁺19, SBK⁺16, ZFW14]. **Guest** [BB13]. **guests** [JK17]. **GUI** [SB19b]. **guidance** [JYZ⁺18]. **Guided** [GZS14, ZSMS18, JGFB18]. **guifi.net** [BFN18]. **GWpilot** [RMHCMG15]. **GXP** [TMM⁺13].

H.264 [WC14]. **Haar** [MGA⁺18]. **Hadoop** [BAJ⁺19, CRB⁺16, GGN17, IPCA⁺16, NK17, RD14, TF18, WTR⁺13, WLHH18, YH19, YIA17, ZTD⁺18]. **Hamiltonian** [SJR13]. **hand** [KPG19, NUPA19, XL19]. **handheld** [RSRA18]. **handle** [GGDM⁺18, LZW⁺18]. **Handling** [BMZ10, HHL11, SGB⁺18, TWdLZ19, XWL⁺18]. **handoff** [SLS10]. **handover** [GSY⁺19, LLF⁺18b, YHL16]. **handshake** [LWL⁺18]. **handshaking** [CJG⁺18]. **handshaking-based** [CJG⁺18]. **Hardware** [MHY⁺18, VL19, YLJ⁺17, AMN18, FFC12, KDHP16, KKvdB⁺17, LAL⁺14, PAB⁺14, RSK16, TLC⁺15, YÁJG⁺15, CLK11]. **hardware-assisted** [RSK16]. **hardware-aware** [PAB⁺14]. **Harmonizing** [LTZ15]. **harnessing** [FQBCF15, ZZC18]. **Harris** [HTL⁺18, HMF⁺19]. **Hartmann** [MAPA19]. **harvesting** [DJJ⁺18, TSD18, VF18]. **Hash** [JL14, CHS⁺18, HLL18]. **hashing** [QZD⁺18, ZZLZ18, AGBR19]. **hashtag** [ZZJY16]. **Haskell** [BBH18]. **haul** [RSK16]. **hawks** [HMF⁺19]. **hazard** [LHJC18]. **HB** [PYH⁺18]. **HCN** [ESPN17]. **HD** [HSP⁺13]. **HDFS** [TMDZ15, WZML18, YSC⁺15]. **HDS** [PIP18b]. **head** [FJJ⁺18]. **Healing** [LHBC16, AFB⁺10, GZL⁺18, dSGD13]. **Health** [AMSPL19, BSRR18, DP20, DP21a, DP21b, KIJ⁺19, LHL15, RGN⁺18, Rao17, VRS⁺19, ABZK15, ABC⁺18, APR⁺19, CBN16, CLC⁺19, CRWZ19, DP19, EAS⁺18, GFD14, Ham19, HIA⁺18b, MID16, ML19, PKY⁺17, SPS18, TCN⁺14, WMX⁺17, YZL⁺18, YZG⁺18, YKÖ17, ZAA⁺14, LG16a]. **health-shocks** [MID16]. **Healthcare** [IFD⁺19, WRK⁺15, WLP18, ZZXL18, AASI17, ABB⁺19a, ASO14, AHMS18, APR⁺19, CPD⁺15, CLH⁺18, CZZ⁺18, FGW⁺19, FFC⁺18, FRM⁺18, HLYW17, HXA⁺17, HZM14, JNS⁺19, JP18, JTBS15, KKB18, Kim14, KLV⁺18, LWL⁺18, LZLL18b, MVL⁺18a, MGN⁺16, MGA⁺19, PMDS18, PSW⁺19, RBA17, RGN⁺18, RYH⁺19, SAVS19, SJSA19, UKK⁺19, WLS⁺18, XKBA18, ZCK⁺15, ZCDV19]. **heap** [KP12]. **Heart** [GMdFPLC17, DH16, DNW⁺19, HJA⁺19, RJN⁺19, WLZ⁺14]. **heartbeat** [SD18]. **HEFT** [ZZS⁺19]. **height** [CFL⁺18]. **HELIO** [BBC⁺13]. **heliophysics** [BBC⁺13]. **Help** [SCN⁺14]. **Help-On-Demand** [SCN⁺14]. **hemotherapy** [ATdC⁺16]. **Henry** [HHM⁺19]. **HEPart** [YWCC18]. **hepatitis** [WCWC19, WCWC20]. **heritage** [CGN18, MKS18, PPM⁺18, PC18b, WDJC18]. **heterogeneity** [BL15, PLLA18]. **Heterogeneous** [KV17, PZY16, PIP18b, VF18, ADAAD12, ABTF16, AMGCC18, ACK⁺15, ACCM19, ABP16, AB17, AB18c, ABB19b, BDNP13, BBB16, CPGdS⁺13, CDG⁺14, CSdCM⁺17, CGBAP18, CXDM18, CDDR17, ÇBCA15, CXL⁺17, CSL18, DPK⁺19, DT16, DR18, DCMW17, EP12, EMHE18, ECPF17b, FMSSM12, GS16b, GVA⁺16, GSY⁺19, IPG⁺18, JLY⁺18, KANS18, KKB14, LYJ10, LZXW13, LGY⁺16, LWZ18, MT17, MRT⁺19, MRS18b, NNRA19, NK18, OG18, PSP16, PNZ14, PZY17, PDDS10, RD14, SHP⁺16, SB19a, SAGGB17, SJTN18, SZK16, SLS10, SOIS12, SFR15, SSL13, SB16, SK12, TTH15, TMP15, VPT⁺15, VD16, WHW16, WHS⁺17, WCW18,

WZWC18, WWZC19, WSC⁺¹⁹, YLJ⁺¹⁷, YS16, YCZJ18, YHH⁺¹⁹, ZG19, ZMP10]. **Heuristic** [AA18, AL18, CSL18, ESW⁺¹⁷, GSR⁺¹⁹, KMT14, RC13, RS17a, XA10, XY15, ZZZC19]. **Heuristic-based** [AA18]. **Heuristics** [NBB18, RT15, BAB12, àCKPM19, DST14, DNP14, GVA⁺¹⁶, GGS13, Man15, WCHL10]. **HIB** [CZXL18]. **HIB-tree** [CZXL18]. **hidden** [WQG15, XZP⁺¹⁹]. **Hiding** [DSM⁺¹⁹, CCD⁺¹⁹, HZL18a, Sha16]. **Hierarchical** [BMT12, LLW^{+18a}, ABF^{+15b}, CWW⁺¹³, EK11, FK12, HYS17, HYS18, KX11, OCC14, PRC⁺¹⁴, QPTGG⁺¹², RKB18, TTC⁺¹⁴, WLGL19, ZB19, ZLTY10]. **hierarchical-deterministic** [WLGL19]. **hierarchies** [ECPF17b]. **hierarchy** [XL19, ZH17]. **High** [AJY12, APS⁺¹⁹, AQB15, FBS18, GGJ13, HGM15, KDHP16, Kha12, LYS12, MKH13, MDT⁺¹⁸, PMMAM13, PIP18b, SG14, WHMO13, WQG15, WMY⁺¹⁸, Wri19, WXGM18, YTQ19, YTQ20, ZSX⁺¹⁵, AFS16, APRC16, dRADFG18, BC17, BGMLS17, BRHH18, CND⁺¹⁹, CMS⁺¹⁸, Che14, DJPM18, DCC⁺¹⁴, DJJ⁺¹⁸, EP13, FdAGdAFV19, GAFFOG12, GSC11, GHO⁺¹¹, GG10, HAF⁺¹⁶, HKPT10, HDB18, JRJ⁺¹¹, JLC18, KHG13, KMB⁺¹⁷, KPM⁺¹⁸, KC19b, KMK⁺¹⁴, LRYJ17, LHX⁺¹⁸, LSH⁺¹¹, MWL18a, MAPA19, NWMG17, NAAC19, PDW⁺¹¹, RPA⁺¹⁸, RS17b, SB14, SPMC10, SGKC10, SEMJ11, SK18, SSZ13, SSP17, SYL18, TSWL17, TBdL16, TCN⁺¹⁶, Tur18, VSB19, WXLY16, WdL16, Wei11, YDK11, YK17, YONLY19, ZYZ⁺¹⁸, ZBCT17, ZCQ⁺¹⁶, ZYTC15, AHL11, MLC⁺¹¹]. **high-available** [SB14]. **high-dimensional** [DJPM18]. **high-level** [dRADFG18, CMS⁺¹⁸, KMK⁺¹⁴, NAAC19]. **high-order** [Che14, DJPM18]. **High-Performance** [SG14, WXGM18, KDHP16, MDT⁺¹⁸,

HKPT10, LRYJ17, LHX⁺¹⁸, SGKC10, SEMJ11, SSP17, TBdL16, Tur18, ZYZ⁺¹⁸]. **High-resolution** [YTQ19, YTQ20, DCC⁺¹⁴, JRJ⁺¹¹, YDK11]. **High-speed** [LYS12, DJJ⁺¹⁸, HDB18, KC19b, LSH⁺¹¹, MWL18a, MAPA19, RPA⁺¹⁸, VSB19]. **high-stakes** [CND⁺¹⁹]. **High-throughput** [ZSX⁺¹⁵]. **Highly** [CD16, LN18, MRH17, CWJ^{+18b}, Fri14, GVI13, JSS⁺¹², MAC14, MCA⁺¹⁸, PMLVLS⁺¹³, Tor13, ZYCZ19]. **highly-threaded** [MAC14, MCA⁺¹⁸]. **historical** [JH16]. **history** [YWJ⁺¹⁸, YSL19]. **hitting** [CSdCM⁺¹⁷]. **HM** [dSMAdR⁺¹⁷]. **HMD** [SHH⁺¹⁹]. **hoc** [AAS⁺¹⁹, BLMU19, CNP⁺¹⁹, HHK18, KKN18, KIAD17, LLYW19, LAQ⁺¹⁹, LLJ⁺¹¹, SGGCR⁺¹⁶, SVK19, VCD⁺¹⁸, YFY⁺¹³, ZF16]. **HOG** [LZL19b]. **holder** [FZT⁺¹⁸]. **holes** [SK12]. **Holistic** [BBWB⁺¹⁸, LJGW18, Ano12r]. **holographic** [CGN18]. **home** [ACPI19, AC18, CBPP18, JBC16, MVL18b, PMDS18, KADJ14]. **home-forwarding** [MVL18b]. **homes** [Bae14, LRJG19, Mat18, OCW14, TOD17, TZL⁺¹⁸, YSHM19, GMLGB⁺¹⁷, HSS17]. **Homogeneous** [TKA18b, PSCP16, SSP17]. **homomorphic** [CJXX19, MK17, RTS⁺¹⁶, ZXJ⁺¹⁴]. **Honeypot** [PD11]. **Hop** [WWTF18, KESL17, LLAW17, SAH19, TZD⁺¹⁹]. **HOPE** [LM12]. **Hopfield** [TZBK13]. **Horizons** [Hel16]. **horizontal** [KAEC⁺¹⁸]. **Horse** [CLK11]. **host** [MDB^{+18a}]. **hosted** [YKK13]. **hostile** [GL19]. **hosting** [PVN⁺¹²]. **hot** [LZL⁺¹⁷]. **HPC** [LPK18, SG14, AHEM17, ALM⁺¹⁰, BC15, BC17, BL13, CXDM18, CLDC19, CLP⁺¹⁴, CGL15, CRTN17, DYI⁺¹⁶, ETR⁺¹³, FDGR14, GDP⁺¹⁸, JOPW14, KBVH14, KKBK19, LPK17, LZX16, MAJD18, MGR11, MDO⁺¹⁵, MSM^{+18a}, RRP⁺¹⁴, SNC18, TZQ18, TKR⁺¹⁵, WMLS14,

WOPW13, WG13, WDR⁺¹⁹, YZI18, YDT19, ZGB⁺¹⁷, ZME⁺¹⁵. **HPC/cloud** [BC15]. **HPDMnet** [MLC⁺¹¹]. **HPS** [BGMLS17, PIP18b]. **HSim** [LLAH13]. **HTM** [WHZ19]. **HTML** [LYC⁺¹⁹]. **HTTP** [WLYL11, dCRL⁺¹⁹]. **HTTP-based** [WLYL11]. **HTTPS** [XZL⁺¹⁹]. **HUBzero** [SG19]. **huge** [CWW⁺¹³]. **Human** [LY19, WCB⁺¹⁸, ZTC⁺¹⁹, ABD⁺¹⁹, AS19a, BAPS14, CZXL18, CPMG19, GMP⁺¹⁷, HZW19, HUMA18, HZZ⁺¹⁸, HZM14, HMMW19, KSS19, KKP19, OPT⁺¹⁷, PYH⁺¹⁸, PB18, PKA19, UPP17, WY19, XLL^{+19c}, YXY18]. **human-chatbot** [CPMG19]. **human-computer** [WY19]. **human-workpiece** [OPT⁺¹⁷]. **humanistic** [HZM14]. **humanities** [BH13]. **Humans** [GMM18, AS19a]. **hunt** [ZSS⁺¹⁸]. **Hunting** [GGC18, HDKC18, HDA⁺¹⁹]. **HVS** [BMU18]. **HW** [XZL⁺¹⁹]. **HW/SW** [XZL⁺¹⁹]. **Hybrid** [CLL^{+18a}, CWW⁺¹³, HLZ⁺¹⁹, HEES19, LDY⁺¹⁸, MGR11, MKM11, OPO13, TCC18, VMN⁺¹⁸, WM14, YJHZ14, ABMESM18, APAZ17, ABC⁺¹⁸, AR18, AFSH⁺¹⁹, ATH⁺¹⁹, AB18a, AMGCC18, AK14, AM19a, BC15, BBB⁺¹⁹, BCD⁺¹⁸, CT19a, CRM⁺¹⁶, CVKB12, CRC13, CGBAP18, CFG⁺¹⁹, CAC⁺¹⁵, CSJ⁺¹⁷, CGSJ18, CRTN17, DBS14, EAS⁺¹⁸, FJL⁺¹⁶, FDP17, FWB13a, GAJP18, HZL⁺¹⁹, HZLH19, HIA^{+18c}, LBD18, LA19, LLC^{+14b}, LDX19, LQLX10, LZX16, LTC⁺¹⁹, LSV⁺¹⁸, dSMAdR⁺¹⁷, MFN13, MPF⁺¹⁶, MLSF16, Nag16, PPLL17, PRN14, RBN13, RS17a, ROK19, STMV18, SP18b, SLZ⁺¹⁸, TZST14, TNY17, TdPF⁺¹⁷, TSB18, VF18, VVB13a, VPT⁺¹⁵, VCKB12, WXLY16, WMQ⁺¹⁶, WXPL17, YLN15, ZCH⁺¹⁷, ZYW⁺¹⁸, ZWJ⁺¹⁸, LM12]. **hybrid-cloud** [LBD18]. **hybrid-indexed** [WXLY16]. **hybrid-multi** [HIA^{+18c}]. **HybridNN** [FWB13b]. **Hybrids** [HAA⁺¹⁶]. **hydrological** [HLZ18]. **hylomorphisms** [CHSA18]. **hyper** [AL18, RC13]. **hyper-heuristic** [AL18, RC13]. **hypercubes** [DK14]. **HyperFlow** [Bal16]. **Hypergraph** [RRKA19, SKS17, YWCC18]. **hyperheuristics** [MOBD18]. **Hyperscale** [RMRSA19]. **hyperspace** [NLM⁺¹⁶]. **hyperspectral** [Cha11]. **hypervisor** [ASB18, RS16].

I-TASSER [ZZBZ19]. **I/O** [CSL18, DLZ⁺¹⁴, DLXR14, DYI⁺¹⁶, TDFZ18, ZXL14]. **IaaS** [AA18, AMMC18, AEME⁺¹⁸, CMB17, GLNT13, LCH⁺¹⁸, MJDN15, MGG⁺¹⁷, NCS12, TTB⁺¹³, TTH15, VVB15, YDQC19, ZT19]. **iBike** [ZWQ⁺¹⁹]. **IBRIDIA** [ATH⁺¹⁹]. **iCAFE** [SSK⁺¹⁹]. **ICAuth** [SBL18]. **ICPADS** [TCG14]. **ICs** [VF18]. **ID** [Wan18a, WDZ19]. **ID-based** [Wan18a, WDZ19]. **IDE** [SCJ^{+19a}]. **identifiable** [SWW⁺¹³]. **Identification** [WLZ⁺¹⁴, AsRA⁺¹⁹, AFO⁺¹⁸, ARP⁺¹⁹, AJ19, ASAAM⁺¹⁹, BRL19, CPW19, CPP16, HNQ⁺¹⁸, HZW⁺¹⁶, KZA11, LLQS14, LWT18, VOCHC17, WLLF16, WCB⁺¹⁸, WNR19, ZWJ19b]. **identify** [HIA^{+18c}, KAS⁺¹⁸, MBL⁺¹⁹]. **Identifying** [AHS⁺¹⁸, BTP19, PSLZ18, WCM⁺¹⁹, XTF⁺¹⁹]. **identities** [TOS18]. **Identity** [HSM13, HYF18, ZDW⁺¹⁶, CLM⁺¹⁶, HCL⁺¹⁷, LK12, MLM16, PLCGS11, WMX⁺¹⁷, Wan18b, WZCH17, YWJ⁺¹⁹, YXA⁺¹⁶, Sar18a]. **Identity-based** [HSM13, HYF18, ZDW⁺¹⁶, LK12, WZCH17, YWJ⁺¹⁹, YXA⁺¹⁶]. **Idle** [CLR18]. **iDoctor** [ZCH⁺¹⁷]. **IDS** [HNCJ13]. **IEC** [YS16]. **IEEE** [AAQ⁺¹⁹, KZ17]. **IEEE/ACM** [KZ17]. **IgA** [QXZ⁺¹⁹]. **IGRC** [YHL⁺¹⁹]. **II** [RVC16a]. **III** [YDD⁺¹⁸]. **illegitimate** [WTTH19]. **illumination** [LLU⁺¹⁸]. **Image** [MSM^{+18b}, YXD18, AMBB18, AM19a, Bro19, DGA18, FMV14, GHEB⁺¹⁸, GHEB⁺²³, GPV⁺¹⁴, GDAS18, sGbKS19, HLC16, Ima19, JYZ⁺¹⁸, KO11, KZA11, hKBB11, KVHT10, LHJC18, LSZ⁺¹⁶,

LZL⁺¹², MZYA19, NOF18, OMKM⁺¹⁹, RRKA19, VOCHC17, XWX⁺¹⁷, XPL19, YDK11, YCY10, YSC⁺¹⁵, YJS18, ZFY18, ZSMS18, CSV⁺¹². **image-retrieval** [YJS18]. **imagery** [AAM⁺¹⁹, CMI⁺¹⁹, PDK10]. **Images** [YTQ19, AM19a, BCdV⁺¹⁹, Cha11, CZ19, DSM⁺¹⁹, DCC⁺¹⁴, FCD⁺¹⁴, GRS⁺¹⁹, HAM18, HWWT12, JP18, KMK⁺¹⁹, KIJ⁺¹⁹, KHO⁺¹⁹, LLU⁺¹⁸, MAPA19, QMCX19, TA19, WWCN13, XJWW15, YTQ20]. **imaging** [HLZ⁺¹⁹, OM10, SYCH18]. **imbalance** [CdSDS15, PAL⁺¹⁹]. **iMeter** [YZLQ14]. **Immersive** [WY19]. **immune** [BZMY10, CZY⁺¹⁸, LFL⁺¹⁷]. **Immunization** [ZHL⁺¹⁸]. **Immunization-based** [ZHL⁺¹⁸]. **Impact** [HAF⁺¹⁶, KESL17, RA12, dACNC16, ABMM18, AGKZ18, BOWD⁺¹⁹, CRVZ15, CRB⁺¹⁶, CBLS13, HHD⁺¹², dSCD⁺¹⁹]. **impacts** [BNJ16, HH19, PLLA18, SCG⁺¹⁸]. **impaired** [KPG19]. **impelled** [PRN14]. **imperfect** [EU19]. **Implantable** [BDM⁺¹⁹, ABS⁺¹⁸]. **Implementation** [YCY10, YCD⁺¹⁹, YCL⁺¹⁹, AMN18, AAB⁺¹⁰, ACHP19, GVDT16, GHLW18, HZDS19, HLV⁺¹⁶, HHZ19, JYJ⁺¹⁷, JNR12, KO11, KANS18, KDG⁺¹⁹, KVHT10, LJS17, LGW⁺¹⁷, MK17, OBG⁺¹⁸, PMT10, RPH19, SPR⁺¹⁰, SAVS19, TLC⁺¹⁵, TMM⁺¹³, TBB⁺¹⁷, XKJ⁺¹⁸, ZN12, ZZQ⁺¹³]. **implementations** [DFGR14, ZSW^{+18a}]. **implemented** [BTM10]. **Implementing** [CMD⁺¹⁴, KFK19, PK11]. **Implications** [PSL19, CHS⁺¹⁸, IHK⁺¹⁸, LPD⁺¹³]. **implicit** [CWJ16, XLZ⁺¹⁴]. **importance** [AMT⁺¹²]. **important** [LXM⁺¹⁸]. **imported** [XLL^{+19b}]. **imprecise** [KRD⁺¹⁹, SK12]. **IMPRECO** [CGV10]. **imprint** [CWUS19]. **improve** [CLP⁺¹⁴, GMLGB⁺¹⁷, LFH⁺¹⁵, OdOD⁺¹³, PLZX19, RMSPP17]. **Improved** [ESPN17, SE19, TA18, TV16, WLL^{+19a}, AMÇ19, BBI13, HZL18b, HLZ18, JLS19, JLQZ18, KKAS19, KI19, LZGX12, TM19, WN10, YHL⁺¹⁹, YPJ19, YDD⁺¹⁸]. **improvement** [CHS11, MJM⁺¹⁶, RJN⁺¹⁹, WQZ19, WTS14]. **improvements** [BGC19b]. **Improving** [AkBAL⁺¹⁹, AMMC18, BVFGWA15, BL13, ECPF17a, GIM16, HAF⁺¹⁶, HCNT14, HMA18b, HXL⁺¹⁸, LLC11, LYJ10, MYW⁺¹⁹, PAB⁺¹⁴, SG13, WSC⁺¹⁹, WLML17, YZI18, ASD12, GVI13, GJKP18, SAH19, SBA⁺¹⁷, XTF⁺¹⁹]. **improvisation** [VSKS19]. **imputation** [CRYG18]. **In-band** [WGX⁺¹⁹]. **In-Mapper** [MLC18b]. **In-memory** [GQLX18, BYL⁺¹⁸, GXW⁺¹⁹, HZDS19, USK16, UDvdW⁺¹⁸, WZS⁺¹⁸]. **In-network** [PJDO13, ZZDM⁺¹⁸]. **in-place** [PWMX17]. **in-transit** [AHP16]. **incentive** [DWJM18, GA13, HHK18, HDLW13, JLQ⁺¹⁷, LLW^{+19d}, LWZ^{+19b}, SOM⁺¹⁹, XY15, ZA13, ZCDV19]. **incentive-based** [XY15]. **incentive-compatible** [HDLW13, SOM⁺¹⁹]. **incentive-driven** [HHK18]. **incentives** [KRZ⁺¹⁹]. **incentivized** [BDP11a]. **incidence** [XL19]. **incident** [CES⁺¹⁹, FM17]. **incident-supporting** [CES⁺¹⁹]. **incidents** [TMS⁺¹⁷, dSGD13]. **inclusive** [FLT17]. **incompatible** [SL19]. **inconsistency** [YWJ⁺¹⁸]. **incorporate** [YMW13]. **Incorporating** [LYS⁺¹⁹]. **Increasing** [IDM⁺¹⁶, KKAS19, KH18a, WWX⁺¹⁷]. **increment** [TWG⁺¹⁹]. **Incremental** [PBL⁺¹⁸, XWM18, ArMS19, CAPG18, FRB⁺¹⁴, KMB16, LKM14, LY18a, LPY⁺¹⁸, YNLY19, ZFS⁺¹⁸]. **incrementally** [YGYW16]. **Independent** [FMSSM12, CFL⁺¹⁸, EG18, GVA⁺¹⁶]. **index** [CZXL18, CPLH19, WXPL17, Lin18]. **indexed** [LSL⁺¹⁵, WXLY16, YNLY19]. **indexing** [ARP14, FMV14, LJ19b, RTS⁺¹⁶, SB17a, WZW^{+19a}, WHMO13]. **indicative** [ZNC⁺¹⁸]. **indicators** [DPS16, HZX⁺¹⁹, HZX⁺²⁰, HAAR⁺¹⁹, NAAC19, SA19, KJFS12]. **indirect** [VS19].

INDIS [GVTdL18]. **indistinguishability** [YZW⁺18]. **indistinguishability-based** [YZW⁺18]. **individual** [CN17, HZM14, NZOCJ⁺19, PS10]. **Indoor** [SLK17, YCD⁺19, HHH⁺19, HST⁺18, HDH⁺18, HZZ⁺18, LvW14, Mat18, MLGGB⁺17, MKS18, OMD⁺18, PECA19, YYD⁺14]. **induced** [LSV⁺18]. **induction** [PMK18]. **Industrial** [ZWJ⁺19a, DM12, GHD19, LHO17, LW18a, LW19, PTD⁺18, PWA⁺19, uRYS⁺19, NSR⁺19]. **Industry** [JC15, FG18, QGT⁺18, VCL⁺19, ZSMS18, ZWJ⁺19a]. **infants** [CPE⁺17]. **Inference** [CBC⁺19, JLS19, LBD⁺19, MFT⁺17, NA19, SL19, TCC18, WMBV17]. **inferred** [YWY⁺17]. **inferring** [DYC⁺18, XTL⁺19]. **InfiniBand** [KBVH14]. **Influence** [GGH⁺19, NBB18, HMC19, MFT⁺17, TL19, WJLW18, WDD18, WGM15]. **influencing** [KSC⁺19]. **Influential** [ZSJ19, WCM⁺19, ZZC14]. **Informal** [GPJA⁺14]. **Information** [ABS11, AT18a, BBB⁺11, ChK11, CCRL18, DP17, MSO18, TAB⁺18, URKM19, ZZ15, AHL11, AAA⁺19, ATdC⁺16, AM19b, BG12, BT17, BNJ16, BGP⁺17, BMH10, CPW19, CCJ16, CWZ⁺17, CWJ⁺18a, DSM⁺19, DMPS19, DGGH11, ELAEAVAM19, FAL⁺19, GZLZ16, GRTV10, GCCL18, GCTLA⁺19, GFD14, GWC⁺16, HZC10, HPP⁺18, JTL⁺19, KPB18, KV12, KAS⁺18, KB16, LHJC18, LNB14, LWK⁺18, dSMAr⁺17, MVG18, Mat18, MMF16, OB17, PARMF14, RLL⁺17, RGC⁺10, SMF⁺19, SPT⁺18, SSL⁺19, SBD⁺18, SLD⁺18, TWG⁺19, TGM⁺19a, TJWS10, TSOB15, TQL⁺19, TGM⁺19b, TCH19, VS13, VPT⁺10, WRCC17, WXZ⁺18a, WZ18, WWZ18, XSMS15, XCGD10, XLL⁺14, XPL19, XLL⁺19c, YSL19, YHH⁺19, ZWS⁺12, ZWJ19b, vdHSL⁺15]. **Information-centric** [AT18a, RLL⁺17, TGM⁺19b]. **Information-Powered** [TAB⁺18]. **Information-theoretical** [ZZ15]. **inframetric** [FWB13b]. **InfraPhenoGrid** [PAC⁺17]. **infrared** [wZcZN⁺19, wZcZN⁺20]. **Infrastructure** [HGM15, TSTL16, VDTK12, AB19b, ATM⁺19, BBWB⁺18, BMU16, BC15, BH13, BCD⁺18, CCMP18, CCM⁺14, DWS12, FG14, GGTRRC16, GAI⁺18, GRX19, HMM18, HZW⁺16, KZ14, KuRAk⁺18, KCH⁺13, KK14, MSS⁺13, MLC⁺18a, MRT⁺19, MBS13, MGLPPJ13, PP10, PAC⁺17, RAdARP19, RMVG⁺10, XHW19, ANE13, CPGBC16, GRL11, LPD⁺13]. **infrastructure-as-a-service** [KuRAk⁺18, KK14, LPD⁺13]. **infrastructure-level** [FG14]. **Infrastructures** [CMNK19, CMZ⁺12, CRM⁺16, CA15a, DQC⁺19, ENC⁺12, EMJ⁺13, FQBCF15, FPGK18, GDP⁺18, GFD14, HZ10, KdGP⁺19, LTN10, LPK17, LPK18, LPBB⁺18, MT17, MFN13, MPR⁺16, MLSF16, PGCML⁺19, PPL⁺15, PWA⁺19, RMHCMG15, SFR15, VHML10, WTM⁺17, WHYZ18, dSGD13]. **infused** [ZSP17]. **Inhibition** [JLC⁺20, YWG⁺19, YWG⁺20]. **initialization** [PCK19]. **initiative** [ASAAM⁺19, MLC⁺11, YCH19]. **Injecting** [GRTV10]. **injuries** [PWP⁺18]. **injury** [Bo19, Bo20]. **innovations** [SSFFR19]. **Innovative** [Cuz14, TGM⁺19b]. **InOt** [PLA18]. **input** [WHCZ18]. **input/output** [WHCZ18]. **inputs** [Wan19]. **insecurity** [BP13]. **Insertion** [GK18, MAÇ17, LZLL18a]. **InsideNet** [MMAA19]. **insider** [SMF⁺19]. **insight** [BCD⁺18]. **insights** [AC16, GTSAR⁺14, WLHH18]. **inspection** [HLL⁺19, LSZ⁺18, RSRA18]. **inspired** [AT19b, BW13, CWLZ19, FM10a, GWW⁺19, IGB⁺14, KKS18b, LCW⁺18, VV16, XZZ⁺14, XZZ⁺19, ZYW⁺18, dSFD⁺19]. **instability** [Bo19, Bo20]. **installations** [ACPI19]. **installment** [SOIS12]. **instance** [FCY18, WWZ⁺19]. **instance-intensive**

[WWZ⁺19]. **instances** [CLRL18, DR18, FEÁ19, GdCP19]. **Institute** [GDZ⁺19]. **institutional** [BH13]. **institutions** [PKP19]. **instrumentation** [BDZ13]. **insurance** [ABZK15]. **integer** [GGA⁺17]. **integrate** [BOP⁺14, GRCP⁺17]. **Integrated** [AS18b, AIP⁺19, CM17, CSV⁺19, FHYH15, FCD⁺14, HFL⁺19, KAS⁺18, MPF⁺16, PDH18, SGKC10, SH19, WZW19b, WS10, WHCW19, YZLQ14, YH19]. **Integrating** [HC17, LCL14, LHY⁺19, BDZ13, CT19c, PSW⁺14, TQL⁺19]. **Integration** [APRC16, BdDPP16, CCY⁺18, DP17, FP14, HHZ19, RAA⁺18, URC19, GACM17, HAAR⁺19, JNS⁺19, LLF⁺18b, MG⁺18, RMC⁺18, SMM⁺14, SPKG18, SAC11, WLLF16, YWF⁺10, ZMP10]. **Integrity** [DL19, FLT⁺19, GSC11, HKA⁺18, JZJ⁺18, LSG18, LXRS19, LYZC15, PPG19, WWRS16, YXA⁺16]. **Intel** [CDMR19]. **Intellect** [AS18b]. **Intelligence** [ACC⁺16, Cha14a, Jun17, SLS⁺19, AB18b, Cha14b, GJKP18, GSN⁺18, HDA⁺19, HLT⁺18, JNR12, LSV⁺18, LFY⁺19, MCWP16, NPH19, NAM⁺19, Od14, OB19, QC18, SSST17, SJL⁺18, WM14, YZWG18, YJHZ14]. **intelligence-based** [OB19]. **Intelligent** [ACWJ19, BDCC19, DX14, GCD⁺18, Hsu14, Kim18, LRZ⁺18, LWZ⁺19a, NNC⁺19, XKJ⁺18, XXX⁺19, YCD⁺19, YSL19, ZWQ⁺19, AHMS18, BKS⁺18, CPDJ13, COC10, CRC⁺19, HMW⁺19, HCX⁺19, Kol18, LLZ⁺18b, LXT⁺19, LLW⁺19d, LQF19, LWZ⁺19b, MAY18, NAD⁺18, NWL17, OMD⁺18, PTD⁺18, PKY⁺17, PLP⁺19, SSI19, Śle14, SDC11, VFHB14, XB14, XTL⁺19, XZZ⁺19, XLZ18, ZDL⁺19, SSK⁺19]. **intelligent/cognitive** [BKS⁺18]. **intensity** [GZZ⁺18]. **intensity-modulated** [GZZ⁺18]. **Intensive** [DO15, ATdC⁺16, BMK⁺14b, Cuz14, DST10, GVURIVBV14, GJ15, IDCJ11, JFZL17, KS18a, KGVW14, LTTL19, LFHQ19, NSSA⁺14, RSJ⁺14, SLC⁺17, SBD⁺18, TdPF⁺17, TBdL16, TCBC18, TSB18, VVB13b, WTR⁺13, WZZ16, WWZ⁺19, WHYZ17, WHZ19, YFY⁺13, dSCD⁺19]. **intent** [KPM⁺18]. **intention** [CT19c, JLQZ18]. **intentions** [FTD17]. **Inter** [OMPSPL⁺19, CLL18b, DPK⁺19, GGLW18, LD17, LYS12, SRZD15, SB16, SBP⁺17, SBL18, VOS12]. **inter-cell** [DPK⁺19]. **inter-cloud** [CLL18b, SRZD15, SB16, SBP⁺17, SBL18]. **inter-connectivity** [VOS12]. **Inter-Pulse** [OMPSPL⁺19]. **inter-purchase** [GGLW18]. **inter-service** [LD17]. **inter-view** [LYS12]. **interaction** [AKB18b, CGN18, CPMG19, FJA⁺18, HYC⁺18, JRJ⁺11, KID⁺16, Nag16, RRH16, XZZ⁺19, ZMN19]. **interactions** [OPT⁺17, SDH⁺19, UZ11, ZGS⁺13]. **Interactive** [CAS⁺16, MG18, SHN10, ABG18, CGN18, GKW⁺12, HHZ16, OPO13, PTM⁺18, SSFFR19, SL19, WY19, XFM16]. **interception** [MGLPPJ13]. **intercloud** [Erd13]. **interconnect** [YGYW16]. **interconnected** [FCY18, FGW⁺19, MMLO18]. **interconnection** [GS13, LL18]. **intercontinental** [CKP⁺19]. **interdiction** [KPS18]. **Interdisciplinary** [AC10, NS10]. **interest** [AS19a, JXZ⁺19, LWSY18, LW18b, MRS18b, XZ16]. **Interface** [WLB11, ABS⁺18, àCKPM19, DCBF19, GHY⁺18, MFL18, MYK16, PSBB15, SRdIPG19]. **interface-adaptation** [PSBB15]. **interface-based** [GHY⁺18]. **interfaces** [ABF⁺15a, dRADFG18]. **Interference** [vdLLE19, DPK⁺19, SS13, SMM⁺14, VVB13b, ZF16]. **interferon** [WCWC19, WCWC20]. **intergenerational** [MCG⁺15]. **intermediate** [LZW⁺18, TZLL18, WZZ16]. **International** [CC11, CGJ⁺10, GDZ⁺19, MLC⁺11]. **Internet** [AMQS⁺19, DP20, DP21a, DP21b, GTEL⁺18, HZW⁺18, HAT19, IJCR19,

JBM⁺¹⁸, LKCS18, MWQ⁺¹⁹, NSR⁺¹⁹, RC18, RC19, SYJA19, SSW⁺¹⁹, VKT⁺¹⁹, YJHZ14, ZAI⁺¹⁸, LTC12, QCY⁺¹⁹, ABMM18, AKP⁺¹⁸, ACWJ19, AR18, AGR19, AT18a, AT19b, ACSdRR17, AHYF19, AVPV17, ASAA18, AMPZ16, BA17, BAJ⁺¹⁹, BS17, BZ19, BRH18, BGS⁺¹⁹, BdDPP16, BRB19a, BRB^{+19b}, BWG19, CT19a, CCRL18, CMI⁺¹⁹, Che14, CBT⁺¹⁹, CMP⁺¹⁷, CBPP18, CDFW18, CMZ⁺¹⁸, CDH⁺¹⁹, DSK⁺¹⁴, DPK⁺¹⁹, DZH18, DYY⁺¹⁹, DGR⁺¹⁹, DP19, DC18a, ESW⁺¹⁷, EAS⁺¹⁸, FG18, FJJ⁺¹⁸, FTK17, FRM⁺¹⁸, FPL⁺¹⁹, GLC19, GMLGB⁺¹⁷, GBB18, GHYK18, GMD19, GCK18, GZW18, GLD^{+19b}, GBMP13, HAJ⁺¹⁹, HDKC18, HKA⁺¹⁸, Ham19, HZL18a, HHW⁺¹⁹, HHK⁺¹⁶, HPP⁺¹⁸, HFL⁺¹⁹, HIA^{+18b}, HCL⁺¹⁷, HNQ⁺¹⁸, HXL⁺¹⁸, HSS17, JKAU19, JYY⁺¹⁷, JYZ⁺¹⁹, KWK⁺¹⁸, KK19, KOT18, KSK⁺¹⁹, KCM19, Kim18, KLH⁺¹⁸, KLMB19, KLJS19, KMST19, LLMP13]. **Internet** [LKJ⁺¹⁹, LBD⁺¹⁹, LS10, LHO17, LGL⁺¹⁷, LYC18, LWZ^{+19a}, LW19, LXF19, LDS⁺¹⁸, LYYW19, LLW^{+19d}, LZJL19, LRBW17, LWW⁺¹³, MK17, MVL^{+18a}, MGL⁺¹⁸, MLGGB⁺¹⁷, MMC⁺¹⁸, MDM⁺¹⁹, MGN⁺¹⁶, MPLM18, NWT19, NJ18, NLS19, OFD17, PC18a, PTD⁺¹⁸, PLGMCdF18, PPM18, PC18b, PVHTP19, QZM⁺¹⁸, QCZH19, RGN⁺¹⁸, RMSPP17, RJS⁺¹⁹, RACA18, RHPV17, RGM⁺¹⁹, RMDB18, SAGGB17, SYJ^{+19a}, SHS⁺¹⁹, SST18, SAH19, SWY⁺¹⁸, SHL^{+19a}, SDDG17, SYW17, SCZ⁺¹⁴, SLH⁺¹⁹, SCG⁺¹⁸, TLSC17, TLL⁺¹⁹, TSS⁺¹⁹, URKM19, WWX⁺¹⁷, WZW^{+19a}, WYJ⁺¹⁹, WZ18, WWZ18, WLZ⁺¹⁹, WDW⁺¹⁹, XWW19, XXQ⁺¹⁹, YLVY15, YWZ⁺¹⁸, YCT15, YWLL19, YHA⁺¹⁹, YN18, YAP16, ZPPE17, ZYA⁺¹⁸, dFBP⁺¹⁷, uRYS⁺¹⁹]. **Internet-based** [VKT⁺¹⁹, LWW⁺¹³]. **Internet-of-Things** [FRM⁺¹⁸, GCK18,

LKJ⁺¹⁹, LW19, RGN⁺¹⁸].

Interoperability

[FKBG10, AFS16, ACWJ19, BA17, BNJ16, BGNI19, CXDM18, DGCGH⁺¹⁷, EHT10, GTCZG⁺¹⁸, HA18, MRS^{+18a}, NAD⁺¹⁸, SEMJ11, SGM11, TKK⁺¹⁴]. **Interoperable** [KH19, CMD⁺¹⁴, DMMM11, KK10a, KKB14, NWT19, SCY⁺¹⁸]. **interpretability** [BDA19]. **intersection** [NWL17]. **interval** [FZT⁺¹⁸]. **Intervals** [OMPSPL⁺¹⁹]. **Interweaving** [RM16]. **InTime** [PBA18]. **intra** [GZLZ16, HMW14, JLY⁺¹⁸]. **intra-AC** [HMW14]. **intra-domain** [GZLZ16]. **intra-frame** [JLY⁺¹⁸]. **intrinsic** [AIP⁺¹⁹]. **Introducing** [ACSdRR17]. **introduction** [BB13]. **Intrusion** [GLXF17, ABDH19, ATX13, DYY⁺¹⁹, FZHH14, HNCJ13, KHWW18, LYJ10, LTMW19, PMK18, SI18, SBK18, VSBN19, XFTZ16]. **intuitive** [MKS18]. **Invariant** [WWSL19, GMdFPLC17]. **Investigating** [CWZ⁺¹⁷, NAM⁺¹⁹]. **Investigation** [PWP⁺¹⁸, AAN⁺¹⁸, KR14, PLLA18]. **Investigations** [AMM16, DC18b]. **Investment** [YAA⁺¹⁹]. **investments** [HA18]. **Invited** [ECPF17a, RW13]. **Invocation** [MBB10]. **IO** [MYW⁺¹⁹]. **IoFClimate** [MLGGB⁺¹⁷]. **IOFollow** [MYW⁺¹⁹]. **IoMT** [HJA⁺¹⁹, KIJ⁺¹⁹, LQF19, RYH⁺¹⁹, SJSA19, TSAER18]. **IoMT-based** [LQF19]. **ionic** [SWW⁺¹³]. **iOS** [DC17, DC18b]. **IoT** [ABMM18, AT18a, AHYF19, ASAA18, BZ19, GBMP13, KK19, PPM18, RMDB18, SME⁺²¹, ZYA⁺¹⁸, Zhu18, AZH18, AHS⁺¹⁸, AUSA19, AMSPL19, AMKC19, AJ19, AT19a, ATA19, AHU⁺¹⁹, AMR⁺¹⁹, AKB^{+18a}, AGA18, AMBC19, APR⁺¹⁹, BDL⁺¹⁹, BKS⁺¹⁸, BGNI19, Bu18, BW19, CFP⁺¹⁹, CBC⁺¹⁹, CES⁺¹⁹, CGM⁺¹⁹, DRC⁺¹⁹, DSBC19, DdSdN⁺¹⁹, DSPA18, EBCP18, FSY⁺¹⁹, FXG⁺¹⁹, FFC⁺¹⁸, FJA⁺¹⁸, FMN⁺¹⁷, GAI⁺¹⁸, GZL⁺¹⁸, HC17,

HLL18, HHK18, HSBE19, HST⁺18, HLT⁺18, IHA18, JP18, JSC⁺15, KSS19, KH19, KS18b, KPS18, hKRM17, KPJ19, KLP19, Kol18, KMST19, KLV⁺18, KCCL18, LJS17, LOR⁺18, LTMW19, LJ19b, LYZC15, LMM19, LYL⁺19, LMCSE19, LWF⁺17, LYH⁺19, Mat18, MDB⁺18b, MPI⁺18, MOFGP18, MWL⁺18b, MRS18b, MGA⁺19, NAD⁺18, NGB18, NDA⁺19, OSANAM19, PFPJ18, PDH18, PGCML⁺19, PCK19, PWA⁺19, PPS⁺18, RTHB17, RMC⁺18, SME⁺19, SISGS18, SDST18, SCY⁺18]. **IoT** [SSL⁺19, SGB⁺18, SB18, SPS18, SL19, SPKG18, SLD⁺18, SZW⁺19, TF18, TOD17, TZL⁺18, TMB⁺19, TSGVRGS19, TAS⁺18, TGM⁺19b, URC19, UGBM⁺17, VF18, VRS⁺19, Wan18b, WWZ⁺19, WLP18, WYH⁺17, WGX⁺19, XLL⁺19a, XYML19, YZC⁺19, YWJ⁺19, YH18, YZG⁺18, YSHM19, YAGG18, ZYZ⁺18, ZLY⁺19, dCRL⁺19]. **IoT-** [TOD17]. **IoT-aware** [AMR⁺19]. **IoT-based** [CES⁺19, FJA⁺18, PPS⁺18, TZL⁺18, UGBM⁺17, ZLY⁺19]. **IoT-Cloud** [HSBE19]. **IoT-enabled** [ATA19, AKB⁺18a, TAS⁺18, XLL⁺19a]. **IoT-FBAC** [YWJ⁺19]. **IoT-NDN** [MRS18b]. **IoT-wireless** [SCY⁺18]. **IoTBD** [CCRL18]. **IoTs** [MKS⁺19, ZSW⁺18a]. **IoTSim** [BGC⁺19a]. **IoTSim-Stream** [BGC⁺19a]. **IoV** [CWL⁺19, SLS⁺19]. **IoVs** [TZD⁺19, WLH⁺19]. **IP** [JL14, KHJ10, RS17b, SK18]. **IPV6** [LLL⁺19]. **Iris** [GTEL⁺18, CTU19, NWMG17, MCAS19]. **iRobot** [HMW⁺19]. **iRobot-Factory** [HMW⁺19]. **iron** [YLL⁺19]. **irrelevant** [KMC18]. **irrigation** [SDST18]. **islands** [LG16b]. **isolation** [CW13a, JK17, MK19b, ZGB⁺17]. **isometry** [YSZW18]. **Isomorphisms** [TX14]. **ISP** [ASA19]. **ISSM** [CT19c]. **Issue** [ADALZ14, CSYY18, DPDS14, DO15, GMP⁺18, HYZS16, JY15, TCG14, TKRA14, YGS16, YJHZ14, ADLW12, ARB12, BB13, BDF⁺16, CRW⁺16, CPSRG14, DFRW17, DDB14, KZ14, KJ12, LNB14, PC18b, SZV19]. **Issues** [GTSAR⁺14, LLWZ18, LKA⁺19, UKK⁺19, HHZ19, KLH⁺18, LNB14, MKS⁺19, SWY⁺18, SYK⁺17, URC19, YKÖ17, ZZF18, ZL12]. **item** [LCL⁺16]. **item-based** [LCL⁺16]. **ITEMa** [CGM⁺19]. **Items** [BB17, CEP19b, CCMP18, ÇÖ13]. **itemsets** [CLM14b, LHW⁺18, YK17]. **Iterated** [ML17, SOD18, WH19]. **iteration** [DGR⁺15]. **iterative** [CCL11, FM10b, GZWQ13]. **ITö** [WDD18]. **IV** [HHXL13].

JACEP2P [CCL11]. **JACEP2P-V2** [CCL11]. **jammer** [WWTF18]. **Java** [CDMR19, PLL⁺18, SEPV19]. **JetStream** [TCN⁺16]. **JGRIM** [MZC10]. **Job** [BCMM18, CCD⁺10, CRTN17, KSC⁺19, AAB⁺10, BZMY10, BCC⁺17, FCY18, GD10, GPS13, KHG13, KPJ19, LZ10, LLC11, LGL⁺17, MLBS11, ÖE13, QPTGG⁺12, SWG⁺16, TZBK13, TZST14, WWC14, WMLS14, WS10, WXZL11, XY15]. **Job-resource** [CCD⁺10]. **job-shop** [BZMY10]. **JobPruner** [SNC18]. **jobs** [GD10, JLL17, LAH10, LBU⁺10, RM11, RMHCMG15, WDR⁺19, ZQB⁺18, ZA14]. **Joint** [AAQ⁺19, KK10b, AMAY19, ECA⁺18, HLL⁺19, HXY13, MSA⁺19, PSW⁺19, WZF⁺19, YHL⁺19, YZWG18]. **jointly** [HMZ18]. **JPEG** [HSP⁺13, QMCX19]. **July** [Ano19o]. **June** [Ano19p]. **JXTA** [AMHJ10].

K-LZF [JJH19]. **K-Tree** [WTG⁺19]. **Kalman** [WLL⁺19a]. **KEcruiser** [TMJH19]. **Keeping** [KCCL18, MPC⁺18, SSC⁺19]. **Kernel** [CAPG18, JP18, LLSL18, LZY⁺16, PRW14, TMJH19, vW19]. **kernels** [CRYG18]. **Key** [ABB19b, BBvdB⁺11, GLB⁺18, PDH18, VCDK18, WSQ⁺16, ZZH⁺16, AQRH⁺18, APK⁺18, CRRC18, FHZW18, FNA12,

GAYTC18, GMdFPLC17, GZL⁺¹⁸, HAAWH⁺¹⁸, IOV⁺¹⁸, JSMG18, KLW⁺¹⁶, LLH⁺¹⁷, LYY⁺¹⁸, LZYC13, MLC^{+18a}, ODK⁺¹⁷, OSANAM19, PSLZ18, Wan19, WDKV19, WZ18, WHZ19, XZ14b, XYML19, YZL⁺¹⁸, ZXW⁺¹⁸, ZXWA18].
Key-aggregate [GLB⁺¹⁸, Wan19].
key-agreement [APK⁺¹⁸]. **key-delegation** [JSMG18]. **key-value** [GAYTC18, WHZ19].
keyless [ZXW⁺¹⁸]. **keynote** [CCRL18].
keys [LH13b, LLL⁺¹⁸]. **keystroke** [FZW⁺¹⁸, MCRB19, MR19]. **keyword** [CZ⁺¹⁸, DLLZ17, HZL⁺¹⁹, L XK⁺¹⁴, LWZ^{+19a}, TDBR18, WHMO13, WXLY16, XTZ⁺¹⁹, YD18, YQZ⁺¹⁹, ZSZ14]. **KID** [HMMW19]. **kind** [WTTH19]. **kinds** [WGM15]. **Kinect** [AKG⁺¹⁷].
Kinect-based [AKG⁺¹⁷].
kleptographically [WLGL19].
kleptographically-secure [WLGL19].
Knapsack [WH19, HXWW18, OB19]. **knee** [AMAY19]. **Knowle** [XWL⁺¹⁵].
Knowledge [BBCN18, NS19, ZSP17, ZS16, ABTF16, BBC⁺¹⁷, BCdV⁺¹⁹, DMPP16, FFPS10, GZS14, GRMSOG18, LLS⁺¹⁹, LvW14, LTZ15, MED16, NJ19, PMT10, SHS⁺¹⁹, Śle14, TCC18, TNY17, TF17, WWH⁺¹⁹, XLL^{+19c}, YPHZ14, NJ18].
knowledge-based [TNY17].
Knowledge-infused [ZSP17]. **Korea** [HPP⁺¹⁸]. **KP** [HQZH14]. **KP-ABE** [HQZH14]. **KRAS** [JLC⁺²⁰, YWG⁺²⁰, YWG⁺¹⁹]. **Kronecker** [BKB18a]. **Kruskal** [MSA⁺¹⁹]. **Kuaa** [dOWdAS⁺¹⁸].

L [TSAER18]. **L-RNN** [TSAER18]. **L2P2** [SLL⁺¹⁷]. **label** [GLVC18, SLL⁺¹⁷, XHL⁺¹⁹]. **labeled** [LWT18]. **labeling** [CFM19]. **laboratories** [BOWD⁺¹⁹]. **laboratory** [BDZ13, CGL⁺¹⁰, ZDL⁺¹³, SVN^{+10a}].
LACO [AMSPL19]. **LADRA** [LWR⁺¹⁹].
LAG [DW11]. **lambda** [GIK18, PT16, GAMC19]. **land** [LLN⁺¹⁸].
landing [TYWZ18]. **Landmark** [RCM17].
Language [DZLA19, EHT10, EP12, JSZ⁺¹⁹, SDWS13, Sun10, XLL^{+18a}]. **LANs** [HMW14]. **Laplacian** [DGA18]. **Large** [CGJ⁺¹⁰, EGV18, FQBCF15, GSV⁺¹⁰, LKM14, PB17, AMBB18, AR15, ASAAM⁺¹⁹, ARP14, AB19c, AQB15, BC15, BR19, BAPS14, BKB18a, BCD⁺¹⁸, CEP19a, CZT⁺¹⁵, CZY⁺¹⁸, CRVZ15, CA13, CA15b, CLY14, CZXL18, CWJ^{+18b}, CGM⁺¹⁸, CSP13, DEL19, DC19, DKJ19, DDB14, DPL14, FDP17, FPGK18, FWB13a, GLNT13, GRMSOG18, GLVC18, GIM16, HB19, HST⁺¹⁸, HLCL16, HZ10, IPG⁺¹⁸, IS18, JRJ⁺¹¹, JHC10, JTBS15, KKI14, KAS⁺¹⁸, LTN10, LSZ⁺¹⁶, LYW^{+18a}, LM12, MPR⁺¹⁶, MMVS19, NBB18, NS10, NJKH13, PPZ12, PLA18, PGCC⁺¹⁰, PF17, PPLL17, PKP19, STMV18, SJL⁺¹⁸, TDFZ18, TJWS10, TY11, THT12, WSZH18, WTG⁺¹⁴, WLLF16, WWH⁺¹⁷, WRCC17, WCH⁺¹⁸, WDD18, WCW18, WY19, WWG^{+19b}, WBJM14, WS10, XWL⁺¹⁵, YDK11, YDT19, ZG19, ZAB15, ZWW⁺¹³, ZSFZ19, ZW10, ZYTC15, ZXL14, ZA14, dSK⁺¹⁹].
large-dimension [ZAB15]. **Large-Scale** [EGVT18, FQBCF15, GSV⁺¹⁰, LKM14, PB17, BAPS14, BCD⁺¹⁸, CZT⁺¹⁵, CZY⁺¹⁸, CRVZ15, CA13, CA15b, CZXL18, CGM⁺¹⁸, DEL19, DPL14, FDP17, FWB13a, GLVC18, HB19, HST⁺¹⁸, HLCL16, HZ10, IPG⁺¹⁸, IS18, JTBS15, LTN10, LSZ⁺¹⁶, MPR⁺¹⁶, MMVS19, NS10, PPZ12, PLA18, PF17, PPLL17, TJWS10, TY11, THT12, WRCC17, WCH⁺¹⁸, WDD18, WCW18, WY19, WWG^{+19b}, WBJM14, WS10, ZSFZ19, ZW10, ZYTC15, ZXL14, ZA14, dSK⁺¹⁹].
large-scale-application [TDFZ18]. **Lark** [ZBCT17]. **Late** [MLBS11]. **Latency** [AS19b, MHC14, CW13a, FFL⁺¹⁹, GSC⁺¹⁹, HSP⁺¹³, KIS11, SLL⁺¹⁸, WPGN⁺¹⁸, WWZZ18, ZSZ18]. **Latency-aware** [AS19b]. **latency-sensitive** [CW13a].

latterly [AAYL19]. **lattice** [CJS19, ZaTZ+17, ZDW+18]. **lattice-based** [CJS19, ZaTZ+17]. **lattices** [ECE+19]. **law** [QCZH19, XLL+19c]. **Layer** [SVK19, AKCY+17, AAM+19, BGNI19, FNA11, GZW18, HDA+19, JBM+18, KSK+19, LXMW15, LWW+16, MYK16, NWT19, SCS+18, TZL+18, TJ18, VL19, WPGN+18, YJL+19, ZN12, ZFY18, ZJW+14, dCRL+19, dSBN19]. **layered** [AMQS+19, PDK10, PSBB15, SSG19, SKF+11, SBK18, WJS+18, KJFS12]. **LayerMover** [ZFY18]. **layout** [KR14]. **lazy** [TV16]. **LBBA** [SC16]. **LBBSRT** [ZFC18, ZFC17]. **LBS** [SLL+17]. **LDA** [ZZJY16]. **LDA-based** [ZZJY16]. **Leading** [KZ17]. **Leading-edge** [KZ17]. **Leakage** [Wan18a, DLZ16, LZL+19a, YAX+18]. **leakage-resilient** [DLZ16, YAX+18]. **leaking** [AMRM18]. **leaping** [LCW+18]. **learners** [GAA19]. **Learning** [AAM+19, BCMM18, CLL+18a, IdAP19, LRJG19, MHdS19, MGL+18, RT16, ZTC+19, ZWMC19, AD18, AAN+18, ABDH19, ASAAM+19, AMKM18, ASY+18, AMBC19, BRL19, BDA19, BTP19, BW19, BMP+16, CMEA+19, CFMC19, CMT16, CJN+15, CMI+19, CLL+14, CAL+18, CRWZ19, DRC+19, DFG+19, DA16, DGR+19, DC18a, DGCGH+17, ECPF17a, FSV+19, FFGP+19, GLC19, GHGP19, GPJA+14, GHP+18, GLD+19b, HSV+17, HUMA18, HPGMM18, HX19, HXL+18, HHS+18, JSZ+19, JOSD19, KMK+19, KI19, KAP19, KMI11, KKS18b, LHJC18, LLH+17, LLY+18, LJW+19a, LXT+19, LYYW19, LJW+19b, LZWF19, MFSV19, NK18, NGB18, NAAC19, NAM+19, NLV+19, PZC19, PBL+18, PWW18, QCY+19, QCZH19, RGAT18, RSY+18, RHH+19, RGM+19, SD18, SI18, SRP19, SYT+19, SNC18, dSSCdL19, SZD+17, SR19, SHL+19b, TNY17, TYWZ18, VRGR16, WZF+19, dOWdAS+18, WLB11, WXZL11, XZZ+14, XHW19, XKBA18, XLL+18a, XLL+14, YYW+19, YWLL19, ZGV19]. **learning** [ZXM+19, ZZ19, ZSQ+19, ZYC+19, ZSL+19b, dFVPSHL+14, ZBF14]. **Learning-based** [ZWMC19, HHS+18, NAAC19]. **leave** [KMJ18]. **left** [DNW+19]. **legacy** [DW11]. **legal** [CCIP18]. **legal-rule** [CCIP18]. **LEGIoT** [MPLM18]. **length** [LZL+12]. **lens** [CTU19]. **Let** [MOBD18, BKY18]. **Level** [LYW+16, AD18, AFS16, AJY12, AMR18, dRADFG18, CMS+18, CXC+18, Ciu10a, CCD+10, CHY+18, EMHE18, FG14, FWB13a, GOBL16, GJF+12, GLXF17, JLI+13, KKK+19, KMK+14, LA19, LBB+19, LSG+19, MZP+19, MTD18, MJRM16, MLBS11, NAAC19, PLLA18, PRS12, QPTGG+12, RZ16, RPMG10, RS17b, RMHCMG15, SRZD15, SVN+10a, SEMJ11, SK18, SSL13, TSBH11, WLYL11, WWC14, WZWC18, WDR+19, YDT19, ZLZ13, ZCK+15, ZZH+16]. **levels** [Kim18, LYJ10, LWT18, TTB+13, UDST19]. **Leveraging** [CFM19, CFMC19, LLF+18a, DW11, DLZ+14, HXL+18]. **LHC** [RWV+13]. **libraries** [DSS19]. **library** [AFS16, JLRS18]. **licensed** [SLH+19]. **licenses** [CMZ+12]. **life** [AFO+18, CBBC+17, CRWZ19, GCBM17, GPS+17, JOPW14, LWZ+19a, ML19, RCW+19, SFR15, SCJ+19a, WOPW13, ML19]. **life-long** [ML19]. **life-threatening** [AFO+18]. **lifecycle** [KAS+18, LYW+16, SPS18]. **Lifetime** [CXZ+19, PLZX19, KCM19]. **Lifetime-aware** [CXZ+19, PLZX19]. **light** [AKB+18a, Eng14, LLZ+18b, LLU+18, PCK19, SJR13, YSL19, ZWX+19]. **light-based** [SJR13]. **light-weight** [Eng14]. **lighten** [ZDM+19]. **lightpaths** [CGD10]. **Lightweight** [AMSPL19, GAI+18, HKT+19, MPLM18, ZLY+19, AMN18, AMKC19, BLL+19, CMS+18, CRRC18, DL19, HZL+19, HZ10,

MCN⁺¹⁸, MHY⁺¹⁸, MLBS11, OSANAM19, dRRRR⁺¹⁸, SCS⁺¹⁸, WSL⁺¹⁹, WLS⁺¹⁸, YCT15, ZZX⁺¹⁹, ZZY⁺¹⁹, ZSW^{+18a}). **limb** [KPG19]. **limitations** [DGY⁺¹⁸, NS17b]. **limited** [JLCC12, YDQC19]. **limits** [LN13]. **line** [BMR15, CCZ⁺¹⁹, CCDP19, LLW^{+19c}, TJ18]. **linear** [ADAAD12, BCdV⁺¹⁹, BDNP13, CZT⁺¹⁵, CLY14, GGA⁺¹⁷, JLRS18, JLQ18, TGM11, WWX⁺¹⁷, YPCK12, ZZC18]. **lines** [MdOO⁺¹⁷]. **lingual** [CGZL19]. **linguistic** [CPE⁺¹⁷, ECPF17b]. **Link** [GCCPGBGS10, HQ10, KP18, LTC12, Sun10, WFQ⁺¹⁰, Zhu10, AK18a, BCF16, CGM⁺¹⁸, GGC17, GXL⁺¹⁸, MDB^{+18b}, NLLC19, RRU⁺¹⁸, SMG18, SRP19, SGS⁺¹⁸, XWL⁺¹⁵, XHL⁺¹⁹, YCZJ18, ZGL19, ZS10]. **linkable** [ZLL⁺¹⁹]. **linkage** [TTC⁺¹⁴]. **Linked** [CDH⁺¹⁹, DMMM11, Ans11, BBD⁺¹³, CPSRG14, Li10, CAS⁺¹⁶, PVHTP19]. **linking** [GTM19]. **links** [ACD⁺¹⁹, CWJD19, KCM19, WLRL18]. **LiReK** [CRRC18]. **LISA** [PCK19]. **list** [BBI13, DNP14, LY18a, YK17, YONLY19]. **list-based** [DNP14]. **literature** [ABP18, AMS19, MND⁺¹⁹, MCWP16, SDWS13]. **Live** [DK17, FS19, JDW⁺¹⁴, AS14, CFMC19, HZW⁺¹⁶, JFZL17, KO11, KSK⁺¹¹, LJLW13, LRZ⁺¹⁸, LFHQ19, MYW⁺¹⁹, MCAS19, SLA⁺¹⁶, TCN⁺¹⁶, YMD⁺¹³]. **live-broadcasting** [LRZ⁺¹⁸]. **live-streaming** [MCAS19]. **liveness** [GAFFOG12]. **liver** [wZcZN⁺¹⁹, wZcZN⁺²⁰]. **living** [FKT14, SJS19, TMB⁺¹⁹, VKT⁺¹⁹]. **load** [AA18, AB19c, AS18a, BBMG10, CT19a, CRC13, DLS⁺¹², DXL⁺¹⁸, GOBL16, HLW12, IS18, KRZ12, KIC12, LZWX13, LLW^{+18a}, LN18, MKM11, PAL⁺¹⁹, PRC⁺¹⁴, PBC⁺¹⁶, PBC⁺¹⁷, QCY⁺¹⁹, SDTA19, SL11, SMG18, SJTN18, SYL18, TDC⁺¹⁴, TZLL18, VVB15, ZGB⁺¹⁷, ZGL⁺¹⁸, ZFC17, ZFC18]. **load-aware** [KIC12, ZGL⁺¹⁸]. **load-balance** [DXL⁺¹⁸]. **load-balanced** [SDTA19]. **load-balancing** [AA18, LZWX13, SJTN18]. **loading** [HSC15]. **loads** [NJKF18]. **loan** [WGC19]. **LoC** [WGC19]. **Local** [LBB⁺¹⁹, PSS⁺¹⁸, ABMESM18, BCdV⁺¹⁹, FMRS18, GJ18, Hua10, HLL12, KMT14, LZL⁺¹², PM14, RCMT18, SWW⁺¹³, WCM⁺¹⁹, WH19, XZW⁺¹⁹]. **Locality** [HSC15, SDTA19, ZXL⁺¹⁸, HNKÖ18, JLD⁺¹⁹, NNRA19, QZD⁺¹⁸, SCCS11, USK16, WWC14, WWQ⁺¹⁸]. **Locality-aware** [SDTA19, SCCS11, WWQ⁺¹⁸]. **locality-sensitive** [QZD⁺¹⁸]. **Localization** [MWL18a, DdSdN⁺¹⁹, GAI⁺¹⁸, HHH⁺¹⁹, HXY13, SYJ^{+19b}, SJL⁺¹⁷, WWSL19]. **locally** [BRL19]. **Location** [AHEM17, CT19c, DA18, LLW^{+19a}, LNLA19, DGY⁺¹⁸, FWB13b, GCCL18, GBKJ18, HZW⁺¹⁸, HHW⁺¹⁹, HMC19, MQL⁺¹⁹, MVCC10, NWD⁺¹⁸, NZL⁺¹⁵, PLW⁺¹⁹, SLL⁺¹⁷, WZE19, XCS⁺¹⁸, XCZ⁺¹⁹, YXA⁺¹⁸, YZL⁺¹⁹, ZCLW18, ZLT⁺¹⁹, ZWS⁺¹², SCH⁺¹⁷]. **Location-based** [CT19c, DA18, LNLA19, HMC19, MQL⁺¹⁹, NZL⁺¹⁵, PLW⁺¹⁹, XCZ⁺¹⁹, ZCLW18, ZLT⁺¹⁹]. **location-label** [SLL⁺¹⁷]. **location-sharing** [XCS⁺¹⁸]. **locations** [Alp18, dFVPSHL⁺¹⁴]. **LOFAR** [BBB⁺¹¹]. **Log** [LWR⁺¹⁹]. **Log-based** [LWR⁺¹⁹]. **logging** [EH10, LBB⁺¹⁹, LM12]. **Logic** [KB16, GBY16, LLJ⁺¹¹, LvW14, MYHZ18, MLGGB⁺¹⁷, OMD⁺¹⁸, SYJ^{+19b}, SZR18, TWW⁺¹⁸]. **Logic-based** [KB16]. **Logistic** [RRKA19]. **logistical** [Zhu18]. **logistics** [ATH⁺¹⁹, YLL⁺¹⁹]. **logs** [PKB19, WLZ⁺¹⁹]. **Long** [RSK16, DQXW19, DLS⁺¹², HKU⁺¹¹, HKG⁺¹⁶, JLS19, ML19, PM14, WWD⁺¹⁴]. **long-distance** [HKU⁺¹¹]. **Long-haul** [RSK16]. **long-range** [PM14]. **long-term**

[HKG⁺16]. **look** [WYBS11, YH18]. **look-ahead** [WYBS11]. **Loom** [BCD⁺18]. **loop** [EKGS14, LTC12]. **loop-free** [LTC12]. **loops** [ACD⁺19]. **Lop** [RGDML16]. **LoRa** [DBP19]. **loss** [JCL⁺19, KDHP16, RMDB18]. **losses** [DJJ⁺18]. **lossless** [CCD⁺19, HDB18]. **lossy** [ASO14]. **Low** [ABP16, GVURIVBV14, KWK16, LLU⁺18, MMC⁺18, RS17b, SLL⁺18, BTG19, BSE⁺13, DMC⁺19, FFL⁺19, GSC⁺19, HSP⁺13, JCMPPC⁺18, LA19, LEW19, LYL⁺19, LZHY19, SPT⁺18, TLC⁺15, TWW⁺18, VVC⁺12, WPGN⁺18, WWG19a, vdLLE19]. **low-cost** [BSE⁺13, LEW19, LYL⁺19]. **low-footprint** [VVC⁺12]. **Low-latency** [SLL⁺18, FFL⁺19, GSC⁺19, HSP⁺13, WPGN⁺18]. **low-level** [LA19]. **Low-power** [MMC⁺18, DMC⁺19, WWG19a, vdLLE19]. **low-resource** [TLC⁺15]. **Low-time** [ABP16]. **LP** [SISGS18]. **LPCMsim** [HKT⁺19]. **LPTD** [ZZX⁺19]. **LR** [GHMX10]. **LR-WPANs** [GHMX10]. **LSTM** [YGY⁺19, ZDM⁺19]. **LSTM-EFG** [YGY⁺19]. **LTE** [GSP⁺17, VL19]. **lucrative** [SH19]. **lung** [HLZ⁺19, JLC⁺20, KMK⁺19, LYYW19, YWG⁺19, YWG⁺20]. **LZF** [JJH19]. **LZSS** [OSC14].

m [ZCDV19]. **m-healthcare** [ZCDV19]. **MAC** [CLL⁺18a, CJG⁺18]. **Machine** [BCMM18, DGR⁺19, LY19, MHdS19, MGL⁺18, NK18, XHW19, XWW19, ZTC⁺19, AD18, AAN⁺18, AD19, ASY⁺18, AGKZ18, AMBC19, BDA19, CFMC19, CFVP12, CMI⁺19, CLY14, CGZL19, dCCDFdO15, DRC⁺19, DPBK16, DA16, FSV⁺19, GHP⁺18, GLD⁺19b, HSV⁺17, HPGMM18, HSC15, HXL⁺18, HAA⁺16, HHS⁺18, JNR12, JOSD19, KI19, KCS14, LJS17, LYYY18, LLWW18, LLY⁺18, LFHQ19, LXRS19, LLZ⁺19, LJW⁺19a, LSW⁺19, LPBB⁺18, LZY⁺16, LJW⁺19b, NAAC19, NAM⁺19, PZC19, PFPJ18, Pon19, RHH⁺19, RGM⁺19, RCTY19, SI18, SHLJ13, SNC18, dSSCdL19, SBP⁺17, VVB13b, dOWdAS⁺18, XJWW15, YLHJ14, YPLZ17, ZXW19, ZYZ⁺18, ZHHC17, ZFY18, ZGV19, ZXM⁺19, ZLL⁺16, ZSL⁺19b]. **machine-based** [LZY⁺16].

Machine-Learning [MHdS19, DA16, GHP⁺18, JOSD19]. **Machines** [DK17, LYYY17, AS19a, ADA⁺19, AAM⁺16, AS14, CHS⁺18, DEG⁺17, DQLW15, DCMW17, GVI13, HMH17, HZZ⁺14, JLRS18, JLL17, JDW⁺14, KSSG16, LLF⁺18a, LJL12, LC13, Man15, MK19b, PRC⁺14, SS13, SDDG17, SLA⁺16, TMMVL12, WQG15, WHCZ18, XWX⁺17, ZWHC17]. **Macular** [TBS⁺18]. **magnetic** [HZX⁺19, HZX⁺20, RDSA18]. **Main** [BLMU19, HX19, TTC⁺14]. **main-belt** [TTC⁺14]. **maintain** [Mat18]. **maintenance** [CPLH19, DPS16, LWTL19a, ZH17]. **Major** [HSS17]. **make** [SI19, TMM⁺13]. **Maker** [JBR⁺16]. **makes** [MMC⁺18]. **Makespan** [JZWL17, JLL17, WYBS11, ZZS⁺19]. **Making** [RRP⁺14, ZDW⁺16, APR⁺19, JXZ⁺19, KK10a, KKS⁺18a]. **malapps** [WWH⁺17]. **Malicious** [YJL⁺19, BTP19, LLQS14, LMM19, MRL14, PZC19, WLW⁺18]. **malware** [AD18, HDKC18, HLH⁺18, HAA⁺16, HIA⁺18c, HAAR⁺19, MHdS19, MAY18, QKC19, ZRZR19]. **mammals** [WMBV17]. **mammograms** [SYT⁺19]. **mammographic** [BMU18, FMV14]. **man** [JCL⁺19, LSW⁺19]. **man-in-the-middle** [JCL⁺19]. **man-machine** [LSW⁺19]. **manage** [CCMP18, CdRRdCB19, EAS⁺18, MAB⁺15, OAMS18, SFR15, TMS⁺17]. **managed** [CRM⁺16, LHPC⁺19, NJHT11]. **Management** [AR10, ABB19b, CDH⁺19, DP20, DP21a, DP21b, GS16a, SE19, WXYL15, AB19a, ABGMC19, AB21, ANG⁺19, AAB⁺10, ACHP19, AMPS19, AEME⁺18, ACC⁺16,

AK18b, BAJ⁺¹⁹, BLO⁺¹⁸, BBWB⁺¹⁸, BFP18, BCF⁺¹⁰, BAB12, BN17, BDH14, BCD⁺¹⁸, BRNR15, BR10, CMZ⁺¹², CMEA⁺¹⁹, CXDM18, CPD⁺¹⁵, CFG⁺¹⁹, CLL18b, CLM⁺¹⁶, CYZK15, CLS19a, CLDC19, CAB⁺¹⁸, CS19, CR14, DVJ⁺¹⁵, DMPP16, DP19, DYI⁺¹⁶, DSPA18, EG18, ECPF17b, FA11a, FG14, FM17, FTH16, GCM⁺¹¹, GLM⁺¹², GEG14, GBS10, GKW⁺¹², GCK18, GBF⁺¹², GGD⁺¹⁸, GHJ⁺¹⁹, HAP15, HMM18, HCJ14, HST⁺¹⁸, HZP⁺¹⁴, HHS⁺¹⁸, JBM⁺¹⁸, KSF⁺¹³, KRZ⁺¹⁹, KMI11, KADJ14, KS17a, KGS⁺¹⁹, Kol18, KH18b, KARP14, KAS⁺¹⁸, KVHT10, LKN⁺¹³, LMZ⁺¹⁴, LLW^{+12b}, LKK⁺¹⁶, LYW⁺¹⁶, MJGW18, MPCAF15, MBS13, MSBA16, MED16, MKRD19, NJH⁺¹⁸, NHH⁺¹⁹, NSSA⁺¹⁴, NJKH13, OB17, OE13].

management [PVG⁺¹⁹, PSJ⁺¹², PRS⁺¹³, PB17, PLCGS11, PMT10, PF17, PPB16, PPA18, QLM⁺¹⁸, RGS18, RMVG⁺¹⁰, RM11, SMS14a, SH19, SCL14, SPS18, SAK⁺¹⁰, SSW⁺¹⁹, SCJ^{+19a}, SCH⁺¹⁹, TOD17, TTB⁺¹³, TF17, TSGVRS19, TAHS14, TY11, TCBPR16, URKM19, VAdIP12, VDK12, VCDK18, WW11, WCF⁺¹⁵, WMY⁺¹⁸, WGC19, WDKV19, WLA18a, WZS⁺¹⁸, XLL⁺¹⁴, XLL18b, XAW⁺¹⁰, YMLT13, YZL⁺¹⁸, YCD⁺¹⁹, YJL⁺¹⁹, YMD⁺¹³, ZCM19, ZWW⁺¹³, ZCS⁺¹⁶, ZYK17, ZLR⁺¹⁵, ZWGC19, dSFP⁺¹⁷, dSGD19, dSFD⁺¹⁹, dCTVC18, SJV⁺¹⁵].

manager [KMT14]. **managers** [GDR⁺¹⁴].

Managing [BBCN18, DGGH11, HLN11, HKP10, MBMTJR18, SDF⁺¹⁹, ZG19, CFGM16, LRJG19, SG14, TBB⁺¹⁷, YLHJ14].

Mandatory [BL13]. **MANET** [AdI14]. **MANETs** [ZYW⁺¹⁸]. **maneuvering** [BRL19, LWX13]. **Manifestations** [PKP19]. **manifold** [XLL⁺¹⁴]. **manipulate** [VOCHC17]. **manner** [kHsZwJW18]. **manufacturing** [HMW⁺¹⁹, HCX⁺¹⁹, SSST17, SSW⁺¹⁹, XWjZyF19].

Many [HYZS16, CLH10, EDH⁺¹³, JLY⁺¹⁸, LC14, MAC14, MCA⁺¹⁸, MGMT18, YLJ⁺¹⁷, YDT19, ZAB15, ZCL⁺¹⁴, ZLG⁺¹⁴].

Many-core [HYZS16, EDH⁺¹³, JLY⁺¹⁸, LC14, MAC14, MCA⁺¹⁸, MGMT18, YLJ⁺¹⁷, YDT19, ZAB15, ZCL⁺¹⁴].

many-task [MGMT18]. **manycore** [HTL⁺¹⁸, JPB17, Li18]. **map** [Bro19, HX19, LLW^{+18a}, LWK⁺¹⁸, MZL⁺¹⁹, SCCS11, STA17a]. **map-based** [LWK⁺¹⁸, MZL⁺¹⁹]. **Mapper** [MLC18b, MSS⁺¹⁶]. **Mapping** [MRT⁺¹⁹, Mil11, MFT⁺¹⁷, YG18, AUSA19, DSK⁺¹⁴, DKV14, DST10, DST14, HSC15, LvW14, MBM18, MEBA12, YWZ⁺¹⁸].

MApReduce [FDGR14, ACK⁺¹⁵, DDJ⁺¹³, DFGR14, GAMC19, GZWQ13, HSC15, JGFB18, JZWL17, JS13, LKM14, LQK⁺¹⁶, LLC⁺¹⁶, LSZ⁺¹⁶, LC14, LLAH13, LSJ⁺¹⁴, MNV12, MLC18b, NNRA19, SEMJ11, SDTA19, SB17a, SJV12, VETT16, WTR⁺¹³, XX14, XTT18, YWF⁺¹⁰, ZCK⁺¹⁵, ZFS⁺¹⁸, ZWZ18]. **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, JSS⁺¹², Lin18, RT16, RA12, SSJ19, SCMS12, WBR19]. **market-based** [SCMS12].

marketplace [JBR⁺¹⁶, MVG⁺¹⁴, VMSRM12].

marketplaces [ABH18]. **markets** [BAB13, MG16, PRS12, VPT⁺¹⁰].

Markov [CLL18b, LvW14, LW18b, WQG15].

Mashup [PC18a]. **mashups** [dVXB⁺¹¹].

MASi [GHJ⁺¹⁹]. **masking** [BMU18]. **mass** [KVK⁺¹⁸, SYT⁺¹⁹]. **mass-gatherings** [KVK⁺¹⁸]. **masses** [BR18, BMU18].

massive [DGD⁺¹⁶, FGM11, LXL⁺¹⁷, NS17a, SGB⁺¹⁸, WMLS14, YYS⁺¹⁹, ZRZR19].

massively [NOF18, PDK10]. **Master** [LC14, PCC18]. **Master-worker** [LC14]. **Matching** [LZP⁺18, TOS18, AHYF19, FLT17, GWW⁺19, LLC⁺16, LLAW17, MWQ⁺14, NWMG17, PRN14, QGX18, TJ18, WHCZ18, XWjZyF19, YZL⁺18, YZWG18, YSZW18]. **Matchmaking** [DT16, CCD⁺10, LCBF13, LDS⁺18, LZJL19, YAO14]. **MatchTree** [LCBF13]. **materials** [HLCL16, MZD⁺16]. **maternal** [APR⁺19]. **matrices** [WHCZ18]. **Matrix** [XZ14b, GGMS18, Jun18, KR14, LXM⁺18, LGZY18, SJL⁺17, VS19, WYL⁺18, ZWL⁺16, ZCH⁺17, ZZC18]. **Matrix-based** [XZ14b]. **matrix-vector** [ZWL⁺16]. **matroids** [YH18]. **matters** [PD11]. **maximal** [LHW⁺18, SLD⁺18]. **maximization** [HMC19, KCM19, MG14, NBB18, TL19, WDD18]. **maximize** [YDQC19]. **Maximizing** [MFL18, SMS14b, WJLW18]. **maximum** [CZ12]. **May** [Ano19r]. **MC1** [LPS19]. **MCA** [SAH19]. **MCA-V2I** [SAH19]. **MCDM** [HFL⁺19, SMZ⁺16]. **MCMC** [LvW14]. **MCS** [FY19]. **MCS-Chain** [FY19]. **MDP** [MRS18b]. **MDP-IoT** [MRS18b]. **mdtmFTP** [ZWD18]. **meager** [DV13]. **meal** [MOFGP18]. **mean** [CGIP14, HKP10]. **means** [AMHJ10, Bu18, DNW⁺19, LSZ⁺16, LZY⁺19b, PT16]. **measure** [RAKJ18]. **measurement** [BDZ13, CZT⁺15, GSY⁺17, LXRS19, LRC⁺18, WLRL18, XLL⁺19c]. **Measurements** [CSC18]. **measures** [DLDTGMMP16, GJY18, LG18]. **Measuring** [HRVW18, KdGP⁺19, PARMF14, VLAC⁺13, dSCD⁺19, vKLA⁺19]. **MEC** [SISGS18]. **Mechanism** [ABB19b, WDW⁺19, AR15, ABF⁺15b, AZO⁺19, CSJ⁺17, CWL⁺19, CB10, CWLZ19, DWJM18, DLS⁺12, EK11, ECPF17b, GA13, GZW18, HLW12, HAP15, HDLW13, KKN18, LZCX19, LJY12, LXMW15, LHX⁺18, LQLX10, LLGY18, LLW⁺19d, MVL18b, PWW18, RYH⁺19, SYJ⁺19b, SMG18, SJTN18, SSL⁺19, SOM⁺19, TGM⁺19a, TMP15, TAKV12, WZE19, XDHL12, YLJL18, YXA⁺16, ZA13, ZXZL18, ZCDV19, ZA14]. **mechanisms** [BDZ13, CLAL19, CCCT14, DC18b, GHYK18, KRZ⁺19, KKW⁺14, PLGMCdF18, PMFH11, SGN⁺17, SSB13, TMMVL12, WRCC17, YNY⁺14]. **Mechatronics** [CJN⁺15]. **MECOM** [JDW⁺14]. **Media** [MLC⁺11, MPI⁺18, BTP19, DVD12, GHO⁺11, GTM19, LLG⁺16, MCG⁺15, NO19, WSN18, WdL16, WLA18b, YXZG18b, ZG18]. **Media-based** [MPI⁺18]. **median** [KPS18]. **mediated** [ZGS⁺13]. **mediation** [RVST17]. **mediator** [ABTF16]. **mediators** [BGNI19]. **Medical** [BDM⁺19, CT19a, CMI⁺19, GLD⁺19b, sGbKS19, JYZ⁺19, MZYA19, OM10, AIA⁺18a, AIB⁺18, AM19a, DSM⁺19, KVHT10, LYYW19, LHBC16, PMBS14, PSW⁺19, SB17b, SPS18, SZG⁺19, TIHT14, VSKS19, VFHB14, WLS⁺18, WPS⁺18, XPL19, YCY10, YSC⁺15, YLN15, YWLL19, ZCH⁺17, AMKC19]. **medicine** [BJM⁺17, FFC⁺18, LWK⁺18]. **medium** [BAKB19, GHMX10]. **medium-sized** [BAKB19]. **meet** [BR18]. **meets** [CCT13, MGR11, PYH⁺18]. **member** [SCZ⁺19]. **membership** [GNVST14, PF17]. **MemEFS** [UDvdW⁺18]. **Memory** [DLZ16, HKT⁺19, MWQ⁺19, BYL⁺18, BEWZ10, CPSD18, DKK⁺13, DKJ19, FJL⁺16, GQLX18, GXW⁺19, GVI13, HHXL13, HZDS19, HMMW19, JLS19, JDW⁺14, KP12, LAL⁺14, LLWW18, LFHQ19, LYW⁺18b, LBU⁺10, MAC14, MCdA16, RKB18, SEPV19, USK16, UDvdW⁺18, WHZL10, WZS⁺18]. **memory-based** [MCdA16]. **memory-performance** [SEPV19]. **MEnSuS** [AK18b]. **merging** [CPGdS⁺13, TSOB15]. **mesh**

[DCBF19, XZ14b]. **meshes** [ZGV19]. **Mesos** [LHPC⁺19]. **Message** [WHZL10, CJXX19, FFL⁺19, GSC⁺19, LC17, LBB⁺19, NWL17, ROK19, RMDB18, SL19, ZA14, LM12]. **Meta** [CBS17, ESW⁺17, PT16, PB17, TCCC11, WZH⁺19, XL19, ZSQ⁺19]. **meta-analysis** [WZH⁺19]. **meta-database** [PB17]. **meta-heuristic** [ESW⁺17]. **meta-learning** [ZSQ⁺19]. **Meta-model** [CBS17]. **meta-scheduling** [PT16, TCCC11]. **Metabolic** [DDJ⁺13]. **metacomputing** [BBMG10]. **metadata** [GHJ⁺19, LFH⁺15, MRT⁺19, Mil11, YMW13]. **metadata-driven** [GHJ⁺19]. **metagenomics** [DMC⁺19, MMC⁺18]. **metaheuristic** [TF18]. **Metal** [SPSP17]. **Metal-as-a-service** [SPSP17]. **metamodel** [GHGP19, WBKL16]. **metascheduler** [TCR⁺12, VHML10]. **Meteor** [ZHW19]. **meteorological** [HCMJ19, LHJC18]. **metered** [YVCB10]. **metering** [JLC18, RAaARP19, TAS⁺18]. **meters** [MK17]. **Method** [KPG19, AFSH⁺19, AIA⁺18a, BLL⁺19, CZXL18, CYW⁺19, DHL18, DCC13, DXL⁺18, DZLA19, EMM12, FJ18, FW19, FWB13a, GAFFOG12, GOBL16, GPS13, GLXF17, HCMJ19, HNKÖ18, IAL10, JLS19, KIS11, LZXW13, LLC⁺16, LYYY17, LCW⁺18, LYYY18, LLW⁺18a, LXRS19, LJ19b, LZL⁺12, LZX16, LZW⁺18, LXT⁺19, LZL19b, LSW⁺19, MQL⁺19, OA17, PdASM18, PNZ14, PVHTP19, PDK10, SMC18, SWW⁺13, SOIS12, dSSCdL19, SAG19, SYQ⁺19, TDC⁺14, TMDZ15, TSS⁺19, TYWZ18, VS19, VOCHC17, WCM⁺19, XZZ⁺19, XLL⁺19a, XXQ⁺19, XJZ⁺19, YLHJ14, YJS18, YJY⁺18, ZXW19, ZZBP19, ZDL⁺19, ZCZ⁺18, ZZZ17, Zhu18]. **methodical** [MS19]. **methodological** [CVT19, CGM⁺19]. **Methodology** [Ham17, ACMM19, KKS18b, LCY19a, MSBA16, MED16, TF17]. **Methods** [ALFR16, AAC⁺19, AMM16, BMP⁺16, CXZC18, CLR18, Cuz14, FLT17, GK18, KVvE18, LY19, MLG13, MG19, MYBMM18, PRW14, SPR⁺10, XA10, ZN12, dLB10]. **metocean** [KNI⁺18]. **metric** [LYW⁺18a, LWSY18, PSL19]. **metric-based** [LYW⁺18a]. **metrics** [AdVAGF18, BBI13, CdSDS15, GJF⁺12, LCGPC19, SPT⁺18, WMA⁺19]. **Metropolitan** [PP10]. **MGPV** [VGD⁺19]. **MiCADO** [KKK⁺19]. **micro** [ZWWL18]. **micro-blog** [ZWWL18]. **microarchitectural** [VEET18]. **microarray** [CZY⁺19]. **microblog** [ZZJY16]. **microblogging** [CCJ16, DCF19, HO17, MNC⁺18]. **microgrids** [RWZ⁺19]. **microscopic** [Wei11]. **microservice** [MFC⁺19, ŠCJ⁺19b, KKK⁺19]. **microservice-based** [ŠCJ⁺19b, KKK⁺19]. **microservices** [KFK19]. **Microsoft** [QC13]. **MID** [GLXF17]. **middle** [JCL⁺19]. **Middleware** [BS17, GLXF17, KT17, PZY16, SCL18, ARSMY19, AMPZ16, BGNI19, FTP14, FKT14, GACM17, GVBG17, GTMZ17, KK10a, KKJJ10, LGW⁺17, MKM11, MWL⁺18b, NJHT11, PZY17, TDLC17]. **middleware-layer** [BGNI19]. **Middleware-level** [GLXF17]. **Midgar** [SAGGB17, GMLGB⁺17]. **MidHDC** [PZY16, PZY17]. **MidSHM** [SCL18]. **MIFaaS** [FMN⁺17]. **MIFIM** [BS17]. **MIFIM-Middleware** [BS17]. **MigPF** [dRRdQGR⁺18]. **migrating** [ALM⁺10, GVDT16]. **Migration** [DK17, AS14, CPDJ13, DKV14, DPBK16, FNCR11, GGTRRC16, HH19, HZW⁺16, JDW⁺14, LJLW13, LWTL19b, LFHQ19, LLZ⁺19, MYW⁺19, PFPJ18, RCTY19, SE19, SLA⁺16, ZMTT16, ZZJ17, ZHHC17, ZFY18, ZZ19, ZSL⁺19a]. **migrations** [PK11, ZG19]. **MIH** [GSY⁺19]. **Milky** [SVB⁺19]. **millet** [DJJ⁺18]. **million** [Eng14]. **Mimic** [LZS18]. **MIMO**

[WCW18, YYS⁺19]. **Miner** [ZSQ⁺19]. **mini** [TF18]. **mini-batch** [TF18]. **minimal** [TVV13]. **minimization** [APAZ17, HLL⁺17, JZWL17, LGL⁺17, MFN13, TWG⁺19, ZF16]. **Minimizing** [JLL17, ZAC⁺18, ZZS⁺19, DLXR14, LSCL19]. **minimum** [LY17]. **Mining** [CEP19b, CLM14b, FGM11, FZHH14, IHA18, JL14, MNC⁺18, MRL14, XLZ⁺14, YXZG18b, YK17, ZDW⁺18, AMKM18, CPA14, DGD⁺16, HS19, HXC⁺18, KOP⁺17, LY17, LY18a, LC15, RAKJ18, SGKC10, SSLF⁺10, THA⁺17, TNY17, TIHT14, WTG⁺14, WWZ18, YLVY15, YLG⁺16, YL16, YNLY19, ZZC14]. **MIoT** [BLMU19]. **mismatch** [MCG⁺15]. **Missing** [APR⁺19, EBOY14, TSAER18]. **mission** [RRU⁺18]. **mission-critical** [RRU⁺18]. **Misty** [AMQS⁺19]. **misunderstood** [CSL19]. **mitigate** [SMF⁺19]. **Mitigating** [LYW⁺18b, OWX19, ASB18, TA18, WSQ⁺18]. **mitigation** [HA19]. **mitigations** [KdGP⁺19]. **mix** [LMM19, QC18]. **Mixed** [GGA⁺17, SSFFR19, SZK16, CXZ⁺19, WHW16]. **mixed-criticality** [CXZ⁺19]. **mixed-parallel** [WHW16]. **mixing** [ZMH⁺18]. **Mixture** [BBMG10]. **ML** [GGLD10]. **mmWave** [NLLC19]. **MOBILE** [KKA18, AR17, AT18b, BDE17, BRB19a, BRB⁺19b, CFL⁺15, CT19c, FG18, FMN⁺17, FLR13, KIAD17, KRZ⁺19, KIMR15, MAD⁺16, NKB19, QKC19, RLM18, SVK19, TMW⁺17, VFHB14, WZM⁺18, WZWW18, YHL16, ZSL⁺19a, AHS⁺18, ANG⁺19, ADLW12, AHU⁺19, AB18a, AB19c, ADH⁺16, AMGCC18, AMPZ16, AMRM18, ALL⁺18, BJ12, BDP11a, BOP⁺14, BN17, BCP18, CGBAP18, CWJ16, CZM⁺18, CZZ⁺18, CMVA18, DSD⁺11, DdSdN⁺19, DYC⁺18, EAA16, EZTL19, FHZW18, FY19, GD10, GSP⁺17, GMM18, GSY⁺17, GGC18, GNVST14, HHK18, HMZ18, HXC⁺18, HLT⁺19, JLQ⁺17, JXC⁺19, JKLK17, JOSD19, KKKM13, KB18, KGLY18, LW18a, LLL⁺19, LH13b, LCZR12, LXMW15, LWH⁺18, LLJ⁺11, LCMX16, LPL⁺16, LWL⁺18, LWT18, LLGY18, LZLL18b, Lok12, LFY⁺19, LLAW17, LWZ⁺19b, MCAS19, MKS18, ODK⁺17, PZA18, PRS⁺13, PKY⁺17, QZD⁺18, QGT⁺18, RS17a, RCOP⁺11, SB19a, SPJ17, SLK17, STA17a, SYK⁺17, SOM⁺19, TLC⁺15]. **mobile** [TGM⁺19a, TLL⁺19, VNAMM19, VL19, VSDD13, VCDK18, VGD⁺19, WLZ⁺16, WWVJ17, WCL⁺17b, WWG19a, WWTF18, WLA17b, WMJW18, XZZ⁺14, XCS⁺18, XXX⁺19, YLWW18, YCXW18, YWY⁺17, YCX18, ZF16, ZZ19, ZYC⁺19, ZDW⁺16, ZLL⁺17b, SGN⁺17, ZHL⁺18]. **Mobile-aware** [ZSL⁺19a]. **mobile-IoT** [AHS⁺18]. **Mobile-IoT-Federation-as-a-Service** [FMN⁺17]. **Mobility** [GD10, LNK⁺18, BRB19a, BRB⁺19b, EAED18, FAMA⁺17, GVBG17, GCK18, GSP⁺17, GMP⁺17, MDB⁺18b, MGN⁺16, PC17, PRL⁺19, SBP⁺17, WZM⁺18, WHBC19, YCX18]. **Mobility-aware** [GD10, YCX18]. **MOBT** [WLGL19]. **modal** [CCL19, CZ19, XPL19]. **mode** [JKLK17, LYS12, dSSCdL19, WMQ⁺16, YZZC19, ZZJ17]. **Model** [Ans11, DWS12, EHT10, FMN⁺17, LCH⁺18, PSS13, RBN13, SST18, TCBC18, WHCZ18, ZCM19, AOIS10, AMAY19, AFSH⁺18, AQAR⁺18, ArMS19, ABTF16, AJY12, AL14, AB18a, ATdC⁺16, AMGCC18, AK14, AMKM18, AKM18, Bal16, BAKB19, BKS⁺18, BBvdB⁺11, BdM11, BR19, BDMO11, BWG19, CGIP14, CIK10, CW16, CSG⁺18, CBS17, Che14, CAC⁺15, CCY⁺18, CYJ19, CPLH19, CdRRdCB19, CBBdL16, DDMPG17, DNW⁺19, DZLA19, EAS⁺18, EMJ⁺13, FLR⁺16, FKOC11, FWB13b, GLC19, GS13, GZZ⁺18, HAJ⁺19, Ham17, HPZL18, HAM18, HZM14, HMMW19, HLZ18, HKG⁺16, IG12, JFZL17, JCL⁺19, JSS⁺12, Jun18, KMK⁺19, KYZ19, Kim14, KKP19, LHJC18, LZL⁺17, LZLL18a,

LYC⁺¹⁹, LZT⁺¹⁹, LLL⁺¹⁹, LC14, LWW⁺¹⁸, LLJ⁺¹¹, LDS⁺¹⁸, LWSY18, LW18b, LZJL19, LBU⁺¹⁰, MAC14, MWL18a, MYHZ18, MG16, MJM⁺¹⁶, MK17, MS19, MCR⁺¹⁶, MBA19, NSR⁺¹⁹, NV11, NRV⁺¹⁷, NA19, PGCC⁺¹⁰, RRKA19, RDSA18]. **model** [RZ16, RR18, RWV⁺¹³, RGDML16, RMCMD12, SSHC19, SMF⁺¹⁹, SHP⁺¹⁶, SS13, SHBP10, SL11, SZ12, SGM11, SFR15, SCL14, SKS17, TLSC17, TZL⁺¹⁸, TMDZ15, TQL⁺¹⁹, TGM^{+19b}, WWC14, WY17, WYH⁺¹⁷, WWA19, XWW19, XZ16, YNSM12, YMW13, YZLQ14, YWLL19, YCH19, YXY18, YWY⁺¹⁷, YJL⁺¹⁹, ZZDM⁺¹⁸, ZRZL18, ZZF⁺¹⁹, ZLTY10, ZME⁺¹⁵, ZZJY16, ZNC⁺¹⁸, ZDM⁺¹⁹, ZL18, dSGD19, CsZW14, GM11, HLCL16, ML19, Mil11, MCF⁺¹¹, SB11]. **Model-based** [LCH⁺¹⁸, DZLA19, MJM⁺¹⁶, NSR⁺¹⁹, SZ12]. **Model-driven** [DWS12, RBN13, TCBC18, ZCM19, Ham17]. **Modeling** [AY16, BDWM17, CC19, DLZ⁺¹⁴, DCC⁺¹⁴, DYC⁺¹⁸, FX10, GL19, GLNT13, GS16a, HHD⁺¹², LJ19a, LZH⁺¹⁸, MZP⁺¹⁹, MG18, Nag16, RLL⁺¹⁷, VCL⁺¹⁹, WRCC17, WBJM14, Wri19, YKK13, AKP⁺¹⁸, AT18a, ABS⁺¹⁸, AMMC18, BRL19, BCF16, BGMLS17, CPGBC16, CAC⁺¹⁰, CPSD18, CAPG18, CSL19, CRWZ19, DJH⁺¹⁹, FSM^{+18a}, GIK18, HLT⁺¹⁹, KVR15, KMJ18, KB16, LN18, LPD⁺¹³, LZHY19, LHY⁺¹⁹, MGT18, MR19, MSS⁺¹⁶, MHY⁺¹⁸, NKP16, NO19, RMRSA19, SRP19, SLD⁺¹⁵, SHL^{+19a}, TZQ18, TSS⁺¹⁹, WBR19, XFM16, ZYTC15, ZCW19]. **Modelling** [BGC^{+19a}, CFP⁺¹⁹, DPBK16, HCB16, Kyr19, Lin18, MHW⁺¹⁶, WCH⁺¹⁸, AEM10, CWW⁺¹³, EPB18, KMB⁺¹⁷, KGVW14, LSD⁺¹⁷, LASL16, OCW14, SWW⁺¹³, SCN⁺¹⁴]. **Models** [BAP17a, BAP17b, BS17, BGI14, BCdV⁺¹⁹, BBC⁺¹², BNJ16, CMS⁺¹⁸, CHSA18, FEÁ19, HAP11, HLV⁺¹⁶, IKLL12, KI19, KRZ⁺¹⁹, LOR⁺¹⁸, Lin18, LKJ17, LTZ15, dSMAdR⁺¹⁷, MHZK18, Mér17, NBB18, OCCK14, RB12, RHH⁺¹⁹, RLRC13, SWW⁺¹³, SLW11, VVB13b, WJZ⁺¹⁷, XA10, YZW⁺¹⁸, vdHSL⁺¹⁵]. **modern** [LRYJ17, MDT⁺¹⁸, TKR⁺¹⁵, ZME⁺¹⁵]. **modes** [FAA⁺¹⁸]. **modifiable** [CLS^{+19b}]. **Modified** [BRL19, KSS19, SLTK19, ST11]. **MODIS** [HRR⁺¹⁴]. **Modular** [DSPA18, WSL⁺¹⁹, Bro19, FSP⁺¹⁸, PSW⁺¹⁴, YP12]. **modulated** [GZZ⁺¹⁸]. **module** [WPGN⁺¹⁸]. **MOEA** [WHCW19]. **MOF** [DKJ19]. **MOF-BC** [DKJ19]. **moldable** [HZZ⁺¹⁴, MLBS11]. **molecular** [ASV⁺¹³, TKTG19]. **momentum** [DHL18]. **monitor** [SHLJ13, ZYZ⁺¹⁸, vdLLE19]. **Monitoring** [DP20, DP21a, DP21b, KS18d, LRZ⁺¹⁸, RMCN⁺¹⁰, VLAC⁺¹³, YCD⁺¹⁹, ABC⁺¹⁸, AASI17, AB19b, ASO14, APK⁺¹⁸, AB19c, AMR⁺¹⁹, AIB⁺¹⁸, BKB11, BBWB⁺¹⁸, BCC⁺¹⁷, CA15a, CJHH13, CZH⁺¹⁸, DP19, EET18, FZW⁺¹⁸, FGG13, FAMA⁺¹⁷, FWB13a, FCD⁺¹⁴, GMP⁺¹⁷, GKTK15, GJKP18, HEES19, JNHL18, KSF⁺¹³, KBdLG18, LCCM18, LQF19, MVL^{+18a}, MSM⁺¹³, MOFGP18, MMLO18, NDZ^{+18a}, NDZ^{+18b}, NDZ⁺¹⁹, NDA⁺¹⁹, PMLVLS⁺¹³, RRS10, RYH⁺¹⁹, RAA⁺¹⁹, SB19a, SSL13, TCN⁺¹⁴, TSTL16, TSBH11, WHMO13, WXZ^{+18b}, WPS⁺¹⁸, YCL⁺¹⁹, ZSZ18, ZZQ⁺¹³]. **Mono** [CCL19]. **Mont** [OBG⁺¹⁸]. **Mont-Blanc** [OBG⁺¹⁸]. **Monte** [CPGdS⁺¹³, CPGBC16, DDJ⁺¹³, JH16]. **Monte-Carlo** [CPGBC16]. **mood** [CC19]. **Morpho** [LSJ⁺¹⁴]. **Morphological** [YP12, GDAS18]. **MOSIX** [MKM11]. **mosquito** [SM18]. **most** [CLC11]. **Moth** [CT19b]. **motifs** [GAB⁺¹⁴]. **motion** [KZCW13, SYW17]. **motions** [CRRC18]. **motivators** [NZOCJ⁺¹⁹]. **motor** [AAM⁺¹⁹, CMI⁺¹⁹, RMSPP17, XZZ⁺¹⁹]. **motorized** [ZMN19]. **Motus** [GK18]. **mouth** [XL19]. **MOVE** [BJ12]. **Movement** [BRB19a, KSW⁺¹³, KPG19]. **movements**

[AKM18, NUPA19, RCMT18]. **MOVICAB** [HNCJ13]. **movie** [MBC⁺11]. **movies** [Wei11]. **Moving** [LSAM13, ATS14, ASA19, BTG19, TTC⁺14]. **MP** [GLXF17]. **MP-MID** [GLXF17]. **MPI** [ACH⁺11, IPG⁺18, JS13, LBB⁺19, LZHY19, PSK⁺10, RGDML16, WDR⁺19, ZA14]. **MPLS** [BLO⁺18]. **MQRP** [FG18]. **MQTT** [RMDB18]. **MR** [DSM⁺19, GRS⁺19, VETT16, YWF⁺10]. **MRA** [ACK⁺15]. **MRI** [GSV⁺10]. **mrMoulder** [CQW⁺19]. **MRPL** [BRB19a]. **MSNP** [WWVJ17]. **MUC** [QCYJ17]. **Multi** [AJY15a, AJR⁺19, AB18c, BMU16, BB17, CGZL19, DNJG17, DNP14, FJJ⁺18, GTEL⁺18, GOBL16, GHEB⁺18, GHEB⁺23, GCCL18, GLXF17, HMH17, JLQ18, JYZ⁺18, KA19, LBD⁺19, LLH⁺17, LPL⁺16, LPV⁺16, LZWF19, MZH⁺17, MGMT18, MLSF16, MFSV19, MMRL17, PdASM18, PWWD18, RCW⁺19, SA14, SAH19, SKF⁺11, SS17, TZL⁺18, WZW⁺19a, WW11, WWTF18, XPL19, YDT19, ZFW14, ZCL⁺14, AD18, ABDH19, AFSH⁺19, AAM⁺19, ABN19, BGI14, Bar11, BPC⁺14, BTP19, BWG19, CCL19, CZY⁺18, CJXX19, CZ19, CXC⁺18, CCCT14, DLLZ17, DEG⁺17, FTK⁺14, FLT17, FHZW18, FZT⁺18, FNA12, GQXL18, GLVC18, GTSP⁺19, GPS13, GHJ⁺19, GJKP18, sGbKS19, GDR⁺14, GGLW18, HGG⁺14, HLZ⁺19, HFL⁺19, HIA⁺18c, HLZ18, Ima19, IDCJ11, IGB⁺14, JRJ⁺11, JP18, JTBS15, KDHP16, KKB18, KMT14, KIS11, KESL17, KKKM17, KKKM18, KB16, KGLY18, KLW⁺17, LJ17b, L XK⁺14, LWD⁺14, LYYY18, LWTL19b, LLZ⁺19, LDJL19]. **multi** [LH13b, LYS12, LG16b, LW18b, LPD⁺13, LSG⁺19, LLAW17, MWYC12, MZP⁺19, MDD15, MYK16, MRN19, PK11, PRC⁺14, PDW⁺11, PMLVLS⁺13, QCYJ17, QZM⁺18, QCZH19, RHH⁺19, RMJ⁺18, RRU⁺18, RB18, RMHCMG15, RRH16, STMV18, SSG17, SBAD⁺18, SEHS19, SWG⁺16, SCS⁺18, SCLC19, SOIS12, Sko19, SWW⁺18, SBK18, SLY⁺19, SVN10b, TKA⁺18a, TZD⁺19, TCBPR16, TCN⁺16, VD16, WHMO13, WWC14, WHW16, WJZ⁺17, WJS⁺18, WSH⁺16, WXZL11, WSQ⁺16, WLXZ18, WHCW19, XWZ⁺19, XYLZ18, YJS18, YQZ⁺19, YZ12, YJL⁺19, ZGB⁺17, ZWL13, ZZH⁺18, ZTKX19, ZLG⁺14, ZLL⁺16, ZHHQ18, ZT19, Zim18, dFPFG19, AB17, HLL⁺19]. **multi-** [ZLG⁺14]. **Multi-agent** [MFSV19, Bar11, GJKP18, KB16, LJ17b, SSG17, Sko19, WXZL11, WHCW19]. **Multi-Algorithmic** [GTEL⁺18]. **multi-aspects** [MZP⁺19]. **multi-attribute** [FLT17]. **multi-camera** [YJS18]. **Multi-Capacity** [BB17, HMH17]. **multi-category** [GGLW18]. **multi-channel** [GQXL18]. **multi-class** [RHH⁺19]. **multi-Cloud** [JTBS15, ABDH19, DEG⁺17, KKKM17, KKKM18, RMJ⁺18, SBAD⁺18, TKA⁺18a]. **multi-cloud-server** [KLW⁺17]. **multi-cluster** [WHW16]. **multi-community** [GHJ⁺19]. **multi-component** [SVN10b]. **multi-copy** [ZTKX19]. **Multi-core** [MGMT18, MMRL17, LG16b, MWYC12, PK11, PRC⁺14, QZM⁺18, VD16, WJZ⁺17, WSH⁺16, YZ12, ZHHQ18]. **multi-cores** [HLZ18]. **multi-CPU** [VD16]. **Multi-criteria** [FJJ⁺18, KA19, MLSF16, ZZH⁺18]. **multi-criterion** [FTK⁺14]. **Multi-device** [LPL⁺16]. **Multi-dimensional** [SS17, WZW⁺19a, WW11, ZFW14, FNA12, SWG⁺16]. **multi-domain** [SLY⁺19, XWZ⁺19]. **multi-exponentiation** [WSQ⁺16]. **multi-factor** [LWD⁺14]. **multi-feature** [HLZ⁺19]. **Multi-fidelity** [LBD⁺19]. **multi-formalism** [BGI14]. **multi-function** [WLXZ18]. **multi-generation** [CJXX19]. **multi-gigabit** [KDHP16]. **multi-GPU**

[VD16]. **Multi-GPU-based** [DNJG17]. **multi-grid** [CCCT14]. **Multi-Hop** [WWT18, SAH19, KESL17, LLAW17, TZD⁺19]. **Multi-information** [GCCL18]. **multi-installment** [SOIS12]. **multi-job** [WWC14]. **multi-kernel** [JP18]. **Multi-key** [LLH⁺17]. **multi-keyword** [LXK⁺14, WHMO13, YQZ⁺19]. **multi-label** [GLVC18]. **Multi-layer** [TZL⁺18, AAM⁺19, SCS⁺18, YJL⁺19]. **multi-layered** [WJS⁺18]. **Multi-level** [YDT19, AD18, CXC⁺18, GOBL16, LSG⁺19, RMHMG15]. **Multi-lingual** [CGZL19]. **multi-link-failure** [RRU⁺18]. **multi-modal** [CCL19, CZ19]. **Multi-objective** [AJR⁺19, DNP14, GOBL16, JLQ18, LPV⁺16, LZWF19, ZCL⁺14, CZY⁺18, FZT⁺18, GPS13, HFL⁺19, LWTL19b, LDJL19, STMV18, SEHS19, WWC14, ZLL⁺16, Zin18]. **multi-order** [LW18b]. **multi-party** [KKB18]. **Multi-point** [SKF⁺11]. **multi-processor** [MRN19]. **multi-projection** [BWG19]. **Multi-Protocol** [GLXF17]. **Multi-provider** [BMU16, IGB⁺14]. **Multi-QoS** [AB18c, AB17]. **multi-relay** [ZWL13]. **multi-resolution** [sGbKS19]. **multi-resource** [LYYY18, LLZ⁺19, ZT19]. **Multi-scale** [JYZ⁺18, RCW⁺19, Ima19, XYLZ18]. **Multi-scheduler** [AJY15a]. **multi-sensor** [dFPFG19]. **multi-server** [FHZW18, LH13b]. **Multi-site** [SA14, TCN⁺16]. **Multi-spectral** [GHEB⁺18, GHEB⁺23]. **multi-stage** [SCLC19]. **multi-start** [KMT14]. **multi-tenancy** [BPC⁺14, TCBPR16]. **multi-tenant** [GTSP⁺19, MDD15, PMLVLS⁺13, RB18, SWW⁺18, ZGB⁺17]. **Multi-threaded** [PWWD18]. **multi-tier** [GDR⁺14, HGG⁺14, IDCJ11, KIS11, LPD⁺13]. **multi-touch** [PDW⁺11]. **multi-trusted** [WW11]. **Multi-UAV** [HLL⁺19]. **multi-user** [DLLZ17, JRJ⁺11, KGLY18, PDW⁺11, RRH16]. **Multi-valued** [MZH⁺17]. **multi-version** [QCYJ17]. **multi-view** [BTP19, LYS12, QCZH19]. **multi-wireless** [MYK16]. **multi-workflow** [ABN19]. **Multiagent** [RML⁺19]. **multibiometrics** [GEAR13]. **multicast** [ZWJ⁺18]. **multicasting** [EBCP18]. **Multicenter** [BJM⁺17]. **multichannel** [MYBMM18]. **Multicore** [LJC⁺19, ADH⁺16, BFP18, CHS⁺18, HAF⁺16, JLRS18, KR19, KR14, LRYJ17, PSPP16, RGDML16, WCC⁺16, WTG⁺19, WPJ16, WLRL18, HYZS16]. **multicores** [SHP⁺16]. **Multidimensional** [CLR16, PLW⁺19, JLC18, YC13]. **Multifaceted** [ABTA18, GBF⁺12]. **MultiGrain** [MSS⁺16]. **MultiGrain/MAPPER** [MSS⁺16]. **Multilayer** [SEHS19]. **Multilevel** [SRP19]. **Multimedia** [ACM⁺18, HXA⁺17, KCM19, LBD⁺19, WDW⁺19, YWL⁺17, AMPS19, AMPP19, CdRRdCB19, GSY⁺17, HLYW17, HYX⁺19, HXL⁺18, HPL⁺19, HCHH19, IG12, KLJS19, LXF19, PKY⁺17, RHH⁺16, SLS⁺19, TGM⁺19a, WLH⁺19, vKvWD⁺13]. **Multimodal** [Sar18a, AHM⁺18, EAA16, HUY⁺19]. **Multimodel** [KVK⁺18]. **multinode** [WTG⁺19]. **Multiobjective** [CZL⁺18a, CZY⁺19]. **multipath** [HYX⁺19, KN10, VSKS19]. **Multiple** [CWW⁺16, SKS⁺18, YZZC19, Ans11, AM19b, BBB16, CTVB12, CMB17, CAPG18, CSL18, DPL14, EG18, GOLL19, GAA19, HQ10, KSK⁺11, LLY⁺18, Li18, LMM19, LSMVML13, MJM⁺16, PC17, RM11, RMHMG17, SG17, SLA⁺16, SVN10b, TMMVL12, WTM⁺17, WLGL19, XDHL12, YXZG18b, YD18, YQZ⁺19, YL18, ZYB⁺18, ZYCZ19, dlFVPSHL⁺14, dCTVC18, dFPFG19]. **Multiple-combinational-channel** [CWW⁺16]. **multiple-mix-attack**

[LMM19]. **multiple-perspective** [HQ10]. **multiplexing** [HFM19]. **multiplication** [ZWL⁺16]. **multiplicative** [TWW⁺18]. **multipliers** [WMLS14]. **multiply** [CSQL17]. **Multipolarization** [FLN⁺18]. **multiprocessor** [DKV14, SC16, ZMTT16]. **multiprocessors** [HHXL13]. **multiresolution** [GRS⁺19]. **Multiscale** [APS⁺19, BC15, BC17, BEWZ10, MSS⁺16, RBC⁺15]. **multiside** [CRYG18]. **multisite** [DST10, LPV⁺16]. **multispectral** [Ima19, SYCH18]. **multistage** [GS13, KYB⁺19]. **multitask** [MSO18]. **Multisuser** [NRR⁺15, dSBN19]. **Multisuser-centered** [NRR⁺15]. **multivariate** [WSL⁺19]. **multiworkflow** [AHEM17]. **MUSCLE** [BC17]. **MUSCLE-HPC** [BC17]. **music** [PMFH11]. **mussel** [PRW14]. **Mutation** [SH19, JGFB18, JLC⁺20, TM19, YWG⁺19, YWG⁺20, YDD⁺18]. **mutual** [Bag19, BDL⁺19, JKAU19, KLW⁺16, VCD⁺18, XPL19]. **MWM** [WMLS14]. **MyGeoHub** [KZS⁺19]. **myocardial** [WXZ⁺18a].

name [ACSdRR17]. **named** [RWO⁺19, ADBM19]. **Naming** [ACSdRR17, LKJ⁺19]. **NAND** [SCH⁺19]. **nanoprobe** [wZcZN⁺19, wZcZN⁺20]. **Narrow** [WYJ⁺19]. **Narrow-band** [WYJ⁺19]. **Nash** [GPVN19]. **nasopharyngeal** [MGA⁺18]. **National** [SVN⁺10a]. **native** [SB19b, SCJ⁺19a, ŠCJ⁺19b, TBB⁺17]. **natural** [DCC⁺14, FS19, RRH16, XLL⁺18a]. **Nature** [VV16, MOBD18]. **Nature-inspired** [VV16]. **navigation** [LLS⁺19, XZ14a]. **NB** [HEES19]. **NB-WOA** [HEES19]. **NBA** [JLQZ18]. **NBA-based** [JLQZ18]. **NDGF** [KVR15]. **NDN** [ADBM19, MDB⁺18b, MRS18b]. **NDN-over-ZigBee** [ADBM19]. **NDN/IoT** [MDB⁺18b]. **near** [PGTBC18, wZcZN⁺19, wZcZN⁺20]. **nearest** [FJ18, GLVC18]. **necessary** [XWL⁺18]. **need** [SOA17]. **needs** [GFD14]. **Negative** [YLH⁺19, DYC⁺18, HZX⁺19, HZX⁺20, QCZH19]. **negotiation** [COC10, LZYC13, MG14, MG16, RT16, RZ16, SSL12]. **neighbor** [CZL⁺18b, FJ18, GLVC18]. **Neighborhood** [ZF16, CZ12, CSL17, NAGD18, TM19, WYH⁺17, ZSJ19, ZRZ⁺14]. **Neighborhood-based** [ZF16, ZRZ⁺14]. **neighbors** [CSL19]. **Nephropathy** [QXZ⁺19]. **nervous** [UPP17]. **net** [YDQC19, dLB10]. **NetCoM** [RW13]. **NetCoM-2009** [RW13]. **Netflow** [KC19b]. **nets** [AEM10]. **Network** [ACC⁺19a, AS18b, BZHV19, BHE⁺19, BCR⁺12, CBN16, CW13a, CWL⁺19, DDD⁺19, FS19, HDKC18, JL14, MLC⁺11, MBM18, TMW⁺17, TCCC11, VDTK12, WWTF18, WLRL18, ZHHC17, AAYL19, AFO⁺18, ABD⁺19, AQAR⁺18, AAQ⁺19, ABF⁺15a, AFB⁺10, AR10, ASA19, BMU16, CEP19a, CWL⁺18, CFL⁺15, CJXX19, CWW⁺16, CZH⁺18, CS12, CFPC17, CDB⁺19, CS19, CNR19, DPK⁺19, DCBF19, DBP19, DPBK16, DVB14, DCF19, FBM19, FZHH14, Fer13, FJKK17, FWB13b, FFL⁺19, GOBL16, GBY16, GVdBdL15, GSC⁺19, GGC18, HZW19, HPZL18, HAF⁺16, HUY⁺19, HLYW17, HHH⁺19, HCNT14, HH19, HSP⁺13, HSB⁺18, HZL18b, HDH⁺18, KR19, KSS19, KLJS19, KbDLG18, KMST19, KK10b, KAS⁺18, KS18c, LJ19a, LZXW13, LNB14, LMZ⁺14, LYYY17, LXL⁺17, LLT⁺19, LLZ⁺19, LZT⁺19, LLL⁺19, LLW⁺19b, LSYC18, LCL⁺18, LDX19, LSH⁺11, LWT18, LCdPMCT19, LMCSE19, LKTC14, MYHZ18, MHC14, MVG18, MBC⁺11, MWCK19]. **network** [MBL⁺19, MGA⁺18, NAGD18, PP10, PJDO13, PMK18, PBL⁺18, PECA19, Pip10, PTT12, RR18, RGCC18, SSG19, SGRT19, SB19c, SP18b, STC15, SKS⁺18, SCMS12,

SNP19, SYAL13, TZBK13, TBS⁺18, TCR⁺12, UZ11, UDvdW⁺18, VL19, VCDK18, VOS12, WTG⁺14, WRCC17, WCB⁺18, WWZZ18, WCW18, WZF⁺19, WMA⁺19, WLA18a, XWL⁺15, YMLT13, YCL⁺19, YCXW18, YHH⁺19, ZGB⁺17, ZZDM⁺18, ZZF⁺19, ZGV19, ZSFZ19, ZWJ⁺18, ZS10, ZCW19, ZWMC19, AS18a, BRH18, BSE⁺13, GPJC17, GKTK15, HQ10, MCJ19, RGS18, Sun10, WFQ⁺10, Zhu10]. **network-aided** [GSC⁺19]. **Network-aware** [BCR⁺12, TCCC11, VDTK12, ZHHC17, PP10, TCR⁺12, UDvdW⁺18]. **network-based** [LYYY17, RGS18]. **network-driven** [YMLT13]. **network-failure** [DCF19]. **Network-on-Chip** [MBM18]. **network-on-chips** [SSG19]. **networked** [PMFH11]. **Networking** [SMG18, ABG18, CJK⁺18, GXL⁺12, GZLZ16, LLF⁺18b, LGP⁺19, MCJ19, MT17, PYM18, RLL⁺17, RWO⁺19, SP18a, SCZ⁺19, SL19, TGM⁺19a, TBdL16, WWVJ17, WGX⁺19, ZBCT17, ZWJ19b, ADBM19]. **Networks** [AZO⁺19, EGV18, FPPD14, HGM15, KIAD17, LY19, MWQ⁺19, PLLP19, RQN⁺19, RCW⁺19, SYJ⁺19b, SVK19, SRP19, SMS16, TKA18b, WZWW18, AsRA⁺19, AJ19, AQRH⁺18, ARSMY19, ASO14, APK⁺18, ACM⁺18, AMPS19, AMPP19, ASYF18, AIB⁺18, AMM19a, AAS⁺19, AC18, ASA19, BAA⁺19, BDP11a, BLAN⁺16, BMK⁺14b, BCR⁺12, CEP19b, CZY⁺18, ÇÖ13, CJ14, CWJ16, CJG⁺18, CZM⁺18, Che18, CZZ⁺18, CW13b, CSC18, CdRRdCB19, CGJ⁺10, CHY⁺18, DBP19, DKJ19, DYC⁺18, ELAEAVAM19, ESPN17, EYY19, EA13, FG18, FJJ⁺18, FZHH14, FW19, FAL⁺19, FP14, FLN⁺18, GRTV10, GS13, GJY18, GSP⁺17, GHO⁺11, GBKJ18, GWC⁺16, GLXF17, GXL⁺18, GZL⁺18, GSN⁺18, GGMS18, GNVST14, HKA⁺18, HAAWH⁺18, HA19, HCC⁺14, HAM18, HMC19, HYG⁺19, HDB18, HYF18, HAAR⁺19, IASK14, JLQ⁺17, JXC⁺19, JWW14, KWK⁺18, KRZ12, KPM⁺18, KC19b, KCV11, KV12, KESL17, KLV⁺16, LZY⁺19a, LLYW19, LC17]. **networks** [LBD⁺19, LWD⁺14, LLQS14, Li15, LFL⁺17, LCW⁺18, LZLL18a, LZP⁺18, LW18a, LL18, LLW⁺19c, LAQ⁺19, LCZR12, LY18b, LWH⁺18, LQLX10, LLJ⁺11, LZXC12, LWX13, LvW14, LWL⁺18, LYW⁺18b, LGZY18, LMM19, LWXY19, LO19, LHBC16, LLU⁺18, LFY⁺19, LZY⁺16, LLAW17, LWZ⁺19b, LJW⁺19b, MML⁺18, MG19, MNC⁺18, MDB⁺18a, MDB⁺18b, MFL18, MSS⁺16, MLW⁺18b, MSO18, MYK16, MSM⁺18b, MMAA19, NBB18, NLLC19, NS10, NJKF18, NSSA⁺14, NJKH13, ODC19, OSANAM19, PSJ⁺12, PRS⁺13, PC17, PDH18, PMMAM13, PPS18, PWWD18, PF17, RWY⁺18, RHMGC14, RWZ⁺19, SJ14, SPT⁺18, SGGCR⁺16, SISGS18, SOD18, SCY⁺18, SCS⁺18, SLS10, STC15, SGBK19, SCEC18, SJL⁺18, SLZ⁺18, SLY⁺19, TSD18, TY11, TL19, VSBN19, VCD⁺18, WSQ⁺18, WSZH18, WLP10, WN10, WWD⁺14, WJLW18, WDD18, WDJC18, WCM⁺19, WMC19, WdL16, WLQ10, WLS⁺18, WLZ⁺19, WSY⁺19, XCS⁺18, XLL⁺14, XZ14b, XDH⁺17, XXX⁺19, YPLZ17, YHL⁺19, YL18, YLA18]. **networks** [YLH⁺19, ZF16, ZSJ19, ZGL19, ZLL17a, ZSSZ18, ZZH⁺18, ZTKX19, ZWS⁺12, ZNC⁺18, ZBL⁺14, ZCL⁺19, ZZC14, ZZLH18, ZSS⁺18, ZCDV19, BMK⁺14a, IDKD19, LNK⁺18, ZHL⁺18]. **networks-based** [FG18]. **Networks-Generated** [ZHL⁺18]. **Neural** [DDD⁺19, FS19, GKTK15, HDKC18, LMCSE19, SKS⁺18, AAYL19, AsRA⁺19, AFO⁺18, ASYF18, CZH⁺18, Che18, GSC⁺19, HZW19, HPZL18, HUY⁺19, HHH⁺19, HZL18b, KLV⁺18, KS18c, LBD⁺19, LZT⁺19, LLW⁺19c, LCL⁺18, LYW⁺18b, LLU⁺18, MDB⁺18a, MGA⁺18, MMAA19, PWWD18, SB19c, TZBK13, TBS⁺18,

WCB⁺¹⁸, WZF⁺¹⁹, WLA18a, dLB10].
neutrosophic
 [ABMMC18, ABM19, ABMMC22]. **news**
 [CC19, LRL⁺¹⁴, XLW⁺¹⁵]. **Newton**
 [Jun18]. **Next** [VB18, BDP11a, GLM⁺¹²,
 JXZ⁺¹⁹, MVL18b]. **next-generation**
 [MVL18b]. **nextgen** [VCE⁺¹⁹]. **Nexus**
 [CLM⁺¹⁶]. **NFV** [ASA19]. **NIR** [TA19].
NLP [ACMM19]. **NMCDA** [ABMC18].
NN [STA17a]. **node** [CWJD19, HHZ16,
 LC17, LWD⁺¹⁴, LJJ18, LKFB18, QZM⁺¹⁸,
 ROK19, SYJ^{+19b}, ZSJ19]. **nodes**
 [AC18, GZW18, JXC⁺¹⁹, KS11, LLYW19,
 LMM19, RYH⁺¹⁹, RBJ⁺¹³, ZZC14]. **noise**
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 [KKB⁺¹⁹, SCEC18]. **nomadic** [EA13]. **Non**
 [NGB18, RNR18, YC13, AFO⁺¹⁸, AM19a,
 BBB16, CZT⁺¹⁵, CW16, CLR18, GHYK18,
 GOLL19, JLC⁺²⁰, KKB⁺¹⁹, QCZH19,
 UMUB19, WWX⁺¹⁷, WCHL10, XZW⁺¹⁹,
 YAO14, YWG⁺¹⁹, YWG⁺²⁰]. **non-cloud**
 [CW16]. **Non-cooperative** [YC13].
non-dedicated [BBB16].
non-deterministic [GOLL19].
non-functional [YAO14]. **non-Gaussian**
 [KKB⁺¹⁹]. **non-increasing** [WWX⁺¹⁷].
non-linear [CZT⁺¹⁵].
non-local-convergent [XZW⁺¹⁹].
non-medical [AM19a]. **non-negative**
 [QCZH19]. **Non-parametric** [NGB18].
non-patchable [GHYK18].
non-preemptive [CLR18]. **non-reserved**
 [WCHL10]. **non-shockable** [AFO⁺¹⁸].
non-small [JLC⁺²⁰, YWG⁺¹⁹, YWG⁺²⁰].
Non-standard [RNR18]. **non-stationary**
 [CZT⁺¹⁵, UMUB19]. **nonlinear** [KHO⁺¹⁹].
Norm [SZR18]. **Norm-based** [SZR18].
normal [RJN⁺¹⁹, WLZ⁺¹⁴]. **normative**
 [BDP11a]. **normed** [AB19c]. **Nornir**
 [DDD18]. **North** [PKP19]. **NoSQL** [BGI14,
 Cha15, FSM^{+18a}, GAYTC18, LZL⁺¹⁶].
note [RTHB17, TKR⁺¹⁵]. **notebook**
 [ZDL⁺¹³]. **nothing** [KMB16]. **notice**
 [AB21, ABMMC22, Bo20, DP21a, DP21b,
 GHEB⁺²³, HZX⁺²⁰, JLC⁺²⁰, LBJ⁺²⁴,
 WWP20, WCWC20, YWG⁺²⁰, YTQ20,
 ZMZ⁺²⁰, wZcZN⁺²⁰]. **notions** [DGY⁺¹⁸].
nourishing [QXZ⁺¹⁹]. **NovaGenesis**
 [ACSDRR17]. **Novel**
 [BLO⁺¹⁸, CDB⁺¹⁹, FGM11, ABM19, AS19a,
 AK19, ArMS19, ASY⁺¹⁸, ATX13, CPDJ13,
 CGCB⁺¹², CMI⁺¹⁹, CZ12, CAL⁺¹⁸,
 CGM⁺¹⁸, CHY⁺¹⁸, DdM10, DC19, HZW19,
 HLL18, HHM⁺¹⁹, HHH⁺¹⁹, HXWW18,
 HHZ16, JLY⁺¹⁸, JXZ⁺¹⁹, KHWZ18,
 KPG19, LLF^{+18b}, LYW^{+18a}, LXRS19,
 LJY12, LH13b, LJ19b, LLJ⁺¹¹, LLSL18,
 LHW⁺¹⁸, LZW⁺¹⁸, ML19, MdMMNS⁺¹⁹,
 NPP12, NZL⁺¹⁵, Osm19, QCY⁺¹⁹, RAKJ18,
 RRU⁺¹⁸, SMS⁺¹⁹, SAM⁺¹⁹, SGJ18,
 SYW17, ŠCJ^{+19b}, TLL⁺¹⁹, TMJH19,
 TYWZ18, TMS⁺¹⁷, UPP17, VGD⁺¹⁹,
 WLLF16, WDD18, WXZL11, XZW⁺¹⁹,
 YAO14, YK17, ZAA⁺¹⁴, ZA13, ZYW⁺¹⁸,
 ZCQ⁺¹⁶, ZWZ19, wZcZN⁺¹⁹, wZcZN⁺²⁰].
November [Ano19m]. **NOVI** [vdHSL⁺¹⁵].
NP [BP13]. **NP-complete** [BP13]. **NSGA**
 [YDD⁺¹⁸]. **NSST** [GDAS18]. **NUCA**
 [BFP18]. **NUCA-based** [BFP18]. **NUMA**
 [HTL⁺¹⁸, LRYJ17]. **number**
 [BGC19b, LSG18, PSS⁺¹⁸, RNR18].
numbers [SAM⁺¹⁹]. **numerical**
 [CCY⁺¹⁸, ZRZL18, ZXL14]. **Nuoux**
 [CdRRdCB19]. **nutrition** [CAS⁺¹⁸]. **NVM**
 [CSJ⁺¹⁷].
O [CSL18, DLZ⁺¹⁴, DLXR14, DYI⁺¹⁶,
 LLW^{+12b}, TDFZ18, ZXL14]. **Oak**
 [SVN^{+10a}]. **Oasis** [XFLL16]. **obfuscation**
 [MdFTGM19]. **Object** [AMBB18, GSY⁺¹⁷,
 ATS14, BTG19, BBB⁺¹⁹, GWW⁺¹⁹,
 GTSP⁺¹⁹, MGA⁺¹⁸, PSLZ18, RACA18,
 SLK17, Sun10, XFLL16, YARH18, Sun10].
Object-oriented
 [AMBB18, PSLZ18, Sun10]. **objective**
 [AJR⁺¹⁹, CZY⁺¹⁸, CGSJ18, DNP14,
 FZT⁺¹⁸, GOBL16, GPS13, HFL⁺¹⁹, JLQ18,
 LWTL19b, LDJL19, LPV⁺¹⁶, LZWF19,

STMV18, SEHS19, WWC14, ZCL⁺¹⁴, ZLL⁺¹⁶, Zin18]. **Objects** [MDA⁺¹⁹, SAGGB17, GSGPP⁺¹⁹, HC17, TTC⁺¹⁴]. **oblivious** [Tso19, ZWL⁺¹⁶]. **Observation** [LCdPMCT19, PD11, RVST17]. **Observer** [KS17a]. **obstacle** [ZDL⁺¹⁹]. **Obstacles** [KT17]. **Obstructive** [DDD⁺¹⁹]. **OCCIware** [ZCM19]. **occupancy** [GXL⁺¹⁸, PAB⁺¹⁴]. **oceanographic** [CGL⁺¹⁰]. **October** [Ano19k]. **ocular** [MAPA19]. **ODROID** [LPS19]. **ODROID-MC1** [LPS19]. **OFDM** [KKB⁺¹⁹]. **OFDMA** [ZN12]. **off** [BDA19, CPSD18, DGCGH⁺¹⁷, GBS10, KCM19, PMBS14, SMM⁺¹⁴]. **off-chip** [CPSD18]. **off-the-shelf** [SMM⁺¹⁴]. **offering** [CMB17]. **office** [BdM11]. **offline** [CYJ19, SHLJ13, WLGL19, XTZ⁺¹⁹]. **Offloading** [AZH18, WLZ⁺¹⁶, AHU⁺¹⁹, BGS⁺¹⁹, EZTL19, HHK18, HLT⁺¹⁹, JOSD19, KPJ19, KGLY18, LPL⁺¹⁶, MCAS19, SGN⁺¹⁷, WMJW18, XLL^{+19a}, XXQ⁺¹⁹, YZC⁺¹⁹, YCH19, YCX18, ZYC⁺¹⁹]. **offs** [DMM14]. **offset** [HLL18, KK10b]. **oil** [FCD⁺¹⁴]. **OLAP** [EDD⁺¹⁰]. **older** [CAS⁺¹⁸]. **OLTP** [KMB16]. **OMAS** [Bar11]. **omnipotence** [MBV⁺¹⁵]. **omnipresence** [MBV⁺¹⁵]. **omniscience** [MBV⁺¹⁵]. **OMPI** [ACH⁺¹¹]. **OmpSs** [YÁJG⁺¹⁵]. **OMS** [WLZ⁺¹⁴]. **OMS-WPD** [WLZ⁺¹⁴]. **on-campus** [GLD^{+19a}]. **on-chip** [CPSD18]. **on-demand** [DEG⁺¹⁷, LWH⁺¹⁸]. **On-line** [BMR15, LLW^{+19c}, CCDP19, TJ18]. **On-siteDriverID** [SGGCR⁺¹⁶]. **One** [CCD⁺¹⁹, FLT⁺¹⁹, RM19, MZP⁺¹⁹, SYCH18, Tso19]. **One-pass** [CCD⁺¹⁹]. **Online** [AMPP19, HHW11, KOP⁺¹⁷, MG18, RGGH18, SRP19, dSSCdL19, VVB13a, AMQS⁺¹⁹, AQRH⁺¹⁸, AMKM18, ADBO18, ABH18, BCMM18, CYJ19, CYW⁺¹⁹, CSQL17, DHW⁺¹⁷, DdSdN⁺¹⁹, GWC⁺¹⁶, GGC18, GSN⁺¹⁸, HLT⁺¹⁸, HYF18, JWW14, Jun18, KAP19, KVvE18, LRL⁺¹⁴, LPY⁺¹⁸, LBU⁺¹⁰, MML⁺¹⁸, MSM^{+18b}, NZOCJ⁺¹⁹, NJ17, PQBP17, SSHC19, SC16, SKS⁺¹⁸, SGBK19, SYW17, TL19, WXYL15, WHW16, WJLW18, WXZ^{+18b}, XCS⁺¹⁸, XWL⁺¹⁵, XTZ⁺¹⁹, YLA18, ZLL17a, ZYB⁺¹⁸, ZXZL18, ZCL⁺¹⁹, dSFD⁺¹⁹]. **online/offline** [XTZ⁺¹⁹]. **Ontological** [SCN⁺¹⁴, OCW14]. **Ontologies** [CBS17, KGdL11]. **Ontology** [BNJ16, GMP⁺¹⁶, TOD17, TF17, AC16, Bae14, CXDM18, CFL⁺¹⁵, GTM19, HCX⁺¹⁹, LKN⁺¹³, RGVGGSSZ14, SBLW14, SMZ⁺¹⁶, SSZ⁺¹⁷, TJWS10, TZL⁺¹⁸, TNY17, VPP⁺¹⁹, WMBV17]. **Ontology-based** [TOD17, Bae14, SBLW14, TJWS10, TZL⁺¹⁸]. **ontology-centric** [LKN⁺¹³]. **Ontology-driven** [GMP⁺¹⁶, VPP⁺¹⁹]. **opcodes** [ZXM⁺¹⁹]. **Open** [CAS⁺¹⁶, PVHTP19, QC18, ASAAM⁺¹⁹, ACC^{+19b}, BFN18, CCM⁺¹⁴, HKP10, KS11, KS18b, KTTK17, MG11, MKS⁺¹⁹, MQN19, PWA⁺¹⁹, SJV⁺¹⁵, SWY⁺¹⁸, SGM11, Sko19, SYK⁺¹⁷, TSGVRGS19, TCB⁺¹⁷, YHA⁺¹⁹, GM11, Mil11, MCF⁺¹¹, SB11]. **OpenCL** [CJPC19]. **OpenMOLE** [RLRC13]. **OpenNebula** [KMT14]. **OpenStack** [CFF14]. **Operating** [WCWC19, WCWC20, ZYA⁺¹⁸, BBI13, DDMPG17, LSW⁺¹⁹, ZAI⁺¹⁸, Zin18]. **operation** [ALL⁺¹⁸, ODC19, Sun10, WC14, ZTC⁺¹⁹]. **operational** [RB12]. **operations** [EG18, GDAS18, LHCC18, LHY⁺¹⁹, MBB10, TMDZ15, ZZC18, vWMBS14]. **operator** [SH19, YDD⁺¹⁸]. **operators** [ECPF17b, TSOB15]. **opinion** [ZNC⁺¹⁸]. **opinionated** [MZP⁺¹⁹]. **OPM** [FKOC11, LLCF11]. **OPM-compliant** [LLCF11]. **Opportunistic** [CFP⁺¹⁹, OFMZ18, ZHL⁺¹⁸, FFL⁺¹⁹, JXC⁺¹⁹, JCA⁺¹⁹, MCAS19, PJDO13, WSZC18, WZWW18]. **Opportunities**

[AR17, Jun17, PYM18, AZH18, ALK15, CLCY18, CBBC⁺17, CDFW18, GS16a, GRL11, GFD14, JC15, MWW⁺15, OFMZ18, QCD16, RMC⁺18, WGX⁺19]. **Optical** [MSM⁺18a, CGJ⁺10, GHO⁺11, KK10b, LKTC14, YGYW16]. **Optimal** [AOIS10, CT19b, DEG⁺17, JGB19, KMK⁺19, KCM19, LXD17, BAA⁺19, BGRBA19, CXWT19, CJS19, EBCP18, FTK⁺14, HZLH19, IDKD19, KA19, Len16, LSMVML13, SRKS18, SMS13, XYLZ18, ZLTY10, ZWL13, ZYCZ19, ZaTZ⁺17, ZB19]. **OPTIMIS** [Ano12r]. **Optimisation** [XRPT18, AL18, AR10, HFL⁺19, PTD⁺18, TVB18, VVB15, WHW17]. **Optimising** [KACN16]. **Optimistic** [LM12, Pon19, WWW⁺16]. **Optimization** [LXJD18, SSG17, TA18, WPS⁺18, ZCS⁺16, ABMESM18, ANA16, AKP⁺18, AT18a, AC18, BRL19, BMU16, CT19a, CPGBC16, CZL⁺18a, CHC⁺17, DDD⁺19, ECA⁺18, FZT⁺18, GSLI12, GHEB⁺18, GHEB⁺23, GGA⁺17, GLJ19, GZZ⁺18, HPZL18, HAP15, HHM⁺19, HMF⁺19, HZP⁺14, HZL18b, HLZ18, HCHH19, HKP10, ISS⁺15, JCL⁺19, KKS18b, LLWW18, LAH10, LLW⁺12b, LJW⁺19b, MGMT18, MFSV19, PFRC16, QWCW19, RD14, SCY⁺18, SEHS19, SSJ19, SGN⁺17, SH19, SSI19, SGB⁺18, SLS⁺19, SHL⁺19b, TWZP18, TV16, VR12, WWX⁺17, WCL⁺17b, WWQ⁺18, WZWC18, WWZC19, WYJ⁺19, WZ13, XHW19, XZW⁺19, XDHL12, YDD⁺18, YKK13, ZRZL18, ZN12, ZZJ17, ZWZ18, ZYW⁺18, ZWZ19, ZLG⁺14, ZLL⁺16, ZQB⁺18, ZSMS18, ZHHQ18, ZXL14, MWMA10, PT16]. **optimization-based** [BRL19, HAP15]. **optimize** [CdSDS15, HPGMM18]. **Optimized** [CAB⁺18, FDPR17, GTMZ17, KR19, TKA18b, AKCY⁺17, AAD⁺13, BKKM11, DR18, DKJ19, GS16b, GSY⁺19, LXL⁺17, LLF⁺18b, LWTL19b, LJY10, TF18, TMMVL12, UMUB19, VS19, ZCDV19, dSBN19]. **optimizer** [DHL18, SJ19]. **Optimizing** [BBB⁺19, dCCDFdO15, MNY⁺19, NF13, OSC14, SSI19, WYBS11, WLQ10, ZHW19, Zin18, ZSBB19, vWMBS14, FEPC18, HSC15, MFL18, VSDD13, WBJM14, WLH⁺19, ZSMS18, vW19]. **optimum** [IdAP19]. **optimum-path** [IdAP19]. **oracles** [KGS⁺19]. **orbit** [LY18b]. **Orchestrating** [CKP⁺19]. **Orchestration** [MT17, EKSDN19, JTS13, SLL⁺18, SLY⁺19, VCE⁺19, XWZ⁺19]. **Orchestrator** [KKK⁺19]. **order** [Che14, DJPM18, LW18b, TJ18]. **ordered** [Bag11]. **Ordering** [HMH17, Bag19, BBI13]. **OREA** [TKA18b]. **organisations** [SMF⁺19]. **Organism** [ANA16]. **organisms** [EA17]. **Organization** [MG10, ZZH⁺18]. **Organizational** [HKG⁺16, GCTLA⁺19, KS19]. **Organizational-based** [HKG⁺16]. **Organizations** [YAA⁺19, Li10, SCZ⁺19, SMSF18, SR19]. **organized** [RP18]. **organizing** [MPR⁺16, dRRRR⁺18, dRRdQGR⁺18, SJL⁺18, VRGR16, XWL⁺15]. **orientated** [ZDL⁺13]. **Oriented** [BZS18, GLXF17, SCL18, VDTK12, YAA⁺19, AMBB18, AWN⁺13, AB18b, AQB15, BAA⁺19, BR18, CJPC19, CPDJ13, CLL⁺14, DVD12, DM12, EAED18, EG18, FLR⁺16, FKT14, GVURIVBV14, GA13, HYX⁺19, HLT⁺18, JKLK17, KK16, LX13, LWZ18, MLSF16, MRS⁺18a, NK15, ÖE13, PSLZ18, PBA18, SBLW14, SSJ19, SZD⁺17, SLL⁺18, SAC11, TAKV12, VDK12, WDJC18, WZWW18, XLW⁺17, XDHL12, YNSM12, YZW14, Sun10]. **OSG** [VHML10]. **OSINT** [QC18]. **OSLN** [Sun10]. **OSNs** [GSN⁺18, TWG⁺19]. **OSPF** [WMA⁺19]. **Osseous** [DGA18]. **osteocondral** [Bo19, Bo20]. **osteoporotic** [WWP19, WWP20]. **other** [HXA⁺17, ZZC18]. **outdoor** [MLGGB⁺17]. **outlier** [DJPM18, NGB18]. **outliers**

[SAG19]. **outpatients** [JYZ⁺19]. **Output** [JKLK17, GOLL19, HPZL18, WHCZ18]. **Output-oriented** [JKLK17]. **outputs** [CCRL18]. **outsource** [XTZ⁺19]. **Outsourced** [GZQ⁺19, DLMS15, FS18, LYZC15, WWRS16, WCL⁺17a, XXB19, ZSW⁺18b]. **outsourcing** [BGRBA19, ED16, HCW⁺18, JCL⁺15, ZCL⁺18, dACAM13]. **Over-sampling** [MK19a]. **over-the-air** [ZXW⁺18]. **overbooked** [LPBB⁺18]. **Overcoming** [USK16]. **overcommitted** [CJHH13, ZHHC17]. **overhead** [CXWT19, LZHY19, MVL18b, RS17b]. **Overlap** [KKB⁺19, LJJ18]. **overlapping** [BR19, SEHS19, SJL⁺18, SAC11]. **Overlay** [SCMS12, CW13b, EA13, MLBS11, Pip10, PTT12, PIP18a, TY11]. **Overload** [CNR19, LYYY18]. **overloaded** [SPJ17]. **oversubscription** [MCdA16]. **Overview** [ZG18, AT19a, ATA19, AB19b, BCP18, FBS18]. **own** [VPA⁺18]. **Owner** [HLH⁺18, SBL18]. **owners** [YQZ⁺19]. **Ownership** [AMSPL19, KH18b, LCL⁺19, RACA18, SK18].

P [JLL17, FK11, MHZK18, SSLF⁺10]. **P-batch** [JLL17]. **P-found** [SSLF⁺10]. **P-GRADE** [FK11]. **P-Spec** [MHZK18]. **P2P** [AR10, BCR⁺12, CEP19b, CsZW14, CW13b, GDJ⁺13, HCC⁺14, HNKÖ18, HDLW13, LS10, LJY12, LQLX10, OPO13, OCCK14, PRS⁺13, RLP12, RHMGC14, SAGL10, SYL18, SYQ⁺19, WN10, WW13, YMD⁺13, ZZL⁺10]. **P2P-assisted** [HDLW13]. **P2P-based** [GDJ⁺13, SAGL10]. **P2P-content** [BCR⁺12]. **PaaS** [KKKM18, KKKM17]. **paced** [SYT⁺19]. **packet** [KDHP16, LLL⁺19, MSM⁺18a, ZCDV19]. **packets** [HCL⁺17]. **Packing** [BB17, LLZ⁺19, LZCX19, MAA⁺19, SK12, ZT19]. **Page** [LLZ⁺19, BRXdS11, LXL⁺17]. **Page-sharing-based** [LLZ⁺19]. **PageRank** [MK19a, RCM17]. **Pages** [Ano19q, Ano19n, Ano19p, Ano19o, Ano19r, Ano19m, JDW⁺14]. **Pairing** [MLC⁺18a, LL16, WMC19]. **pairing-free** [LL16]. **Pairwise** [CRWZ19, XZ14b, YWJ⁺18]. **Palmprint** [BG12, CPW19]. **panchromatic** [GHEB⁺18, GHEB⁺23, Ima19]. **pansharpening** [YJY⁺18]. **paper** [ECPF17a]. **Papers** [TCG14, CC11, CCRL18, KZ17, RW13]. **para** [LC13]. **para-virtualized** [LC13]. **paradigm** [AHS⁺18, AHP⁺18, BLMU19, BDP11b, BRHH18, GBY16, LC14, WMC19, XLW⁺17, ZAA⁺14]. **paradigms** [GSN⁺18, OB17, RR18, SISGS18]. **Parallel** [AJY15a, BTM10, CDG⁺14, CLZ18, EDD⁺10, KKI14, KAP19, dRRdQGR⁺18, TCG14, TKRA14, ZHHQ18, dRADFG18, AS14, BBH18, BC17, BKB18a, BGMLS17, CGCB⁺12, CVT19, CPGdS⁺13, CZY⁺18, CZL⁺18a, CZY⁺19, CRVZ15, CMS⁺18, CHSA18, CCL11, CXL⁺17, dCCDFdO15, CSP13, DST14, FGM11, FM10b, GVDT16, GBS10, GGLD10, GZWQ13, HZ19, HHZ16, HLZ18, ISS⁺15, JPB17, JLY⁺18, JEB18, LYW⁺18a, Li18, LJ19b, LSD11, MFL18, NFK10, NQQL13, NOF18, OdOD⁺13, PRN14, QPTGG⁺12, dRRRR⁺18, SHN10, SLC⁺17, SJL⁺18, SVN10b, TTC⁺14, TF18, WKC⁺13, WHW16, WJZ⁺17, WWZC19, WPY19, WZF⁺19, WHYZ17, YSC⁺19, ZXW19, ZXL14, dLB10, dOOO⁺13, vKvWD⁺13, NS17b, VD16, WTG⁺19]. **parallelism** [CDG⁺14, HPGMM18, WSC⁺19, WC14, XFJ⁺19]. **parallelizable** [Tor13]. **Parallelization** [MMVS19, SMC18]. **Parallelizing** [GWC⁺16]. **parameter** [CQW⁺19, SNC18, SIL⁺13, SVN10b]. **parameters** [HLZ18, KSC⁺19, NBB18, SWW⁺13]. **parametric** [NGB18]. **Pareto** [PS19, TZST14, WWX⁺17]. **Pareto-based**

[PS19]. **Parkinson** [AAN⁺18, ARP⁺19, AASI17]. **ParSA** [ZSX⁺15]. **Part** [MK16b, PZY16, PZY17, RVC16a]. **Partial** [WWT⁺16, PBC⁺16, PBC⁺17, YCX18]. **partial-load** [PBC⁺16, PBC⁺17]. **Partially** [XZP⁺19, HKS18]. **participant** [MLW⁺18b]. **participating** [TDC⁺14]. **participation** [CAB⁺18, EKGS14, NZOCJ⁺19]. **participatory** [LLGY18]. **Particle** [WCL⁺17b, XRPT18, LAH10, XZW⁺19, ZSMS18]. **particularization** [CPSRG14]. **partition** [JLY⁺18, LZW⁺18, RSJ⁺14, TF18]. **partition-based** [TF18]. **partitioned** [DLXR14]. **Partitioner** [LZW⁺18]. **Partitioning** [ATF11, kHsZwJW18, SLG⁺17, LXD17, VSDD13, WWG⁺19b, YWCC18]. **partitions** [SAC11]. **party** [ED19, KKB18, OSANAM19]. **PASCAL** [LMA⁺19]. **pass** [CCD⁺19, LY18a]. **passing** [Ciu10a, GSC⁺19]. **passive** [BGC19b, CsZW14]. **password** [IOV⁺18, LZS18, MZL⁺19, ZXWA18]. **password-based** [IOV⁺18]. **Past** [AGMT17]. **PAT** [WHS⁺18]. **patchable** [GHYK18]. **Path** [AHEM17, Che13a, DLS14, IdAP19, KN10, NJHT11, SJR13, WWT⁺16, ZWMC19]. **pathological** [DSM⁺19]. **paths** [TWdLZ19, WW11, YXZG18b, ZCW19]. **patience** [dACNC16]. **patient** [AIB⁺18, JNS⁺19, RRS10, WCWC20, ZCDV19]. **patient-centered** [JNS⁺19]. **patient-optimized** [ZCDV19]. **patients** [ABM19, DNW⁺19, FHHM19, HEES19, HZX⁺19, HZX⁺20, MSA⁺19, NDA⁺19, VFHB14, WCWC19, WWA19]. **Pattern** [JHC18, dRADFG18, KZCW13, KPJ19, LHJC18, LY18a, MRS⁺18a, PSS⁺18, RAKJ18, THA⁺17, TNY17, TSOB15, YL16, YNLY19]. **Patterns** [APS⁺19, AM17, AVPV17, ABG17, AW19, CDG⁺14, IHA18, LRJG19, LY17, LC15, MRL14, NAM⁺19, PSK⁺10]. **PAU** [FW19]. **Paving** [dRADFG18]. **Pay** [CDH⁺19]. **Pay-As-You-Go** [CDH⁺19]. **payer** [ZLL⁺19]. **Payload** [VOV17, JKAU19]. **payload-based** [JKAU19]. **payment** [CLM⁺14a, SYW17, ZWX⁺19]. **payments** [HCW⁺18]. **PCP** [WWT⁺16]. **PCP-B** [WWT⁺16]. **PCRLB** [LWX13]. **PCRLB-based** [LWX13]. **PD** [PKI⁺18]. **PDDRA** [SR12]. **PDE** [BEWZ10]. **peak** [NJKF18]. **peaks** [LZZ19]. **pearls** [BBH18]. **pedestrian** [KVK⁺18, RSY⁺18]. **peer** [CCT13, ÇÖ13, KIC12, Li15, MROD10, PSJ⁺12, PMMAM13, PRS12, PIP18a, PPLL17, SM10, WLP10, WLQ10, XKBA18, ZA13, FX10, HJC10, TPBS14]. **peer-to-peer** [CCT13, ÇÖ13, KIC12, Li15, MROD10, PMMAM13, PRS12, PIP18a, PPLL17, SM10, WLP10, XKBA18, ZA13, FX10, HJC10, TPBS14]. **PeerAppear** [CPLH19]. **Pegasus** [DVJ⁺15]. **pegylated** [WCWC19, WCWC20]. **pegylated-interferon** [WCWC19, WCWC20]. **penalty** [GZZ⁺18]. **people** [GMLGB⁺17, GGMS18, KPG19, RMSPP17]. **people-to-people** [GGMS18]. **per-application** [XLL⁺14]. **perceived** [XJY⁺18]. **perceived-constraint** [XJY⁺18]. **Perception** [KSK⁺19, GGH⁺19, LWH⁺18, ZYW⁺18]. **perceptron** [LMM19]. **perceptron-based** [LMM19]. **percolation** [Pal13]. **percolation-driven** [Pal13]. **percutaneous** [WWP19, WWP20]. **Performance** [AFSH⁺18, AHL11, APS⁺19, AAS⁺19, BGI14, BDZ13, CHC⁺17, DQC⁺19, EPB18, ETR⁺13, FBS18, HMW14, JS13, KI19, KJFS12, KSW⁺13, LPS19, LRC⁺18, LPD⁺13, LZHY19, MLC⁺11, MYBMM18, PIP18b, RPMG10, SI18, SG14, VRS⁺19, WDJC18, WYJ⁺19, Wri19, WXGM18, dOOO⁺13, AkBAL⁺19, AKB18b, ASB18,

AEME⁺¹⁸, BARMB14, BDA19, BFS^{+17a}, BFS^{+17b}, BC17, BGMLS17, BRHH18, CN17, CCRV13, CSG⁺¹⁸, CW13a, CLP⁺¹⁴, CS12, DCBF19, DPS16, DGCGH⁺¹⁷, EP13, FSM^{+18a}, FPR18, GVDT16, GAFFOG12, GS13, GGJ13, GVI13, GSC11, GLNT13, GAMC19, GEAR13, GRMSOG18, GIK18, GJKP18, GG10, HAF⁺¹⁶, HKPT10, JLC18, KDHP16, KMB⁺¹⁷, KBVH14, Kha12, KPM⁺¹⁸, KSC⁺¹⁹, KCV11, KKW⁺¹⁴, KS17b, KAEC⁺¹⁸, LRYJ17, LSD⁺¹⁷, LLT⁺¹⁹, LHX⁺¹⁸, LFH⁺¹⁵, MJM⁺¹⁶, MYW⁺¹⁹, MAJD18, MBMTJR18, MKH13, MD12, MSBA16, MSM^{+18a}, MFL18, MDT⁺¹⁸, MROD10, MWMA10].

performance [NNRA19, OG18, OKF10, PLZX19, PS10, PSL19, PMBS14, PKA19, PDDS10, QWCW19, RMJ⁺¹⁸, RS16, RLL⁺¹⁷, RKB18, RCTY19, SPMC10, SHN10, SGKC10, SEMJ11, SEPV19, SSI19, SSZ13, SBA⁺¹⁷, SSP17, SCH⁺¹⁹, SVN10b, Tao10, TMDZ15, TBdL16, TuIS⁺¹⁹, Tur18, WJS⁺¹⁸, WMY⁺¹⁸, WZWC18, WHW17, XTF⁺¹⁹, XDHL12, YZLQ14, ZG19, ZMP10, ZN12, ZYZ⁺¹⁸, ZLTY10, ZZJ17, ZCQ⁺¹⁶, ZYTC15]. **performance-aware** [KKW⁺¹⁴]. **performance-critical** [XTF⁺¹⁹]. **performance-to-power** [RCTY19].

performances [CGIP14, GIM16, SAH19, UNM⁺¹⁶].

performing [SOD18]. **perimeter** [RR18].

periocular [TA19]. **periodic** [IHA18, SHP⁺¹⁶, SMS14b].

periodic-frequent [IHA18]. **permission** [LXZ⁺¹⁸, MRL14]. **permissions** [KKA18].

permutation [ABMESM18]. **perpetual** [RA12]. **persistence** [MEW⁺¹⁹].

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

Personal [GTCZG⁺¹⁸, Rao17, WLP18, ALL⁺¹⁸, HCC⁺¹⁴, KZA11, LWF⁺¹⁷, XCZ⁺¹⁹, BSRR18, LHL15].

personalisation [SCN⁺¹⁴].

personalization [APR⁺¹⁹, FHYH15, MVG18]. **Personalized** [CT19c, NWD⁺¹⁸, ZCH⁺¹⁷, BJ12, GJ18, PARMF14, WWH⁺¹⁹, WMA18, WLS⁺¹⁸, ZZJY16, ZSGJ19]. **personnel** [CLS19a].

perspective [BDH14, GVBG17, HQ10, TBR⁺¹⁹, WWRS16, WZ16]. **Perspectives** [SBB⁺¹⁰, AC10, KKvdB⁺¹⁷]. **Pervasive** [AT18b, CMA11, RAA⁺¹⁹, CPDJ13, CC11, Kol18, NDZ^{+18a}, NDZ^{+18b}, NDZ⁺¹⁹, OB17, Pal13, SCN⁺¹⁴, SMM⁺¹⁴, ZGZ⁺¹⁰].

Pessimistic [LM12]. **pet** [KS18d]. **peta** [LSH⁺¹¹]. **peta-scale** [LSH⁺¹¹]. **petabyte** [KLW⁺¹⁸]. **Petri** [AEM10]. **Petroleum** [CFH⁺¹⁹]. **PFRF** [LLpC12]. **Phase** [HKT⁺¹⁹, PM14, BG12, FM10b, HZP⁺¹⁴, HZ19, WH19]. **phase-based** [FM10b]. **phase-difference** [BG12]. **phased** [AWN⁺¹³]. **phases** [KRZ12]. **phenomena** [CC19]. **phenomics** [PAC⁺¹⁷]. **PHESS** [SA19]. **PHFS** [KIS11]. **phishing** [LYC⁺¹⁹, SZ12, WFQ⁺¹⁰]. **phone** [DYC⁺¹⁸, HHH⁺¹⁹, YWY⁺¹⁷].

photodynamic [ZMZ⁺¹⁹, ZMZ⁺²⁰].

photoelectric [XKJ⁺¹⁸]. **photography** [DJJ⁺¹⁸]. **photonic** [WdL16].

Photoplethysmogram [RAA⁺¹⁹].

phylogenetic [OdOD⁺¹³]. **phylogenomic** [dOOO⁺¹³]. **Physical** [CFH⁺¹⁹, GMM18, HLV⁺¹⁶, LWW⁺¹⁶, SHS⁺¹⁹, ABD⁺¹⁹, ABF^{+15a}, AAM⁺¹⁶, BDE17, BK16, CM17, DWJM18, EAED18, EG18, GVBG17, GAW⁺¹⁸, GHD19, GMP⁺¹⁷, HAAR⁺¹⁹, JHC10, KB16, LLS⁺¹⁴, LSL⁺¹⁵, LZY⁺¹⁶, MMPF19, NLM⁺¹⁶, OFD17, OA17, PKF14, PTD⁺¹⁸, RVC16b, RVC16a, SMS14a, SZK16, Sko19, SZD⁺¹⁷, SM18, VL19, WLZ⁺¹⁶, XLZ18, YS16, APRC16, Zhu14].

physics [HHM⁺¹⁹]. **physics-based** [HHM⁺¹⁹]. **physiological** [GGH⁺¹⁹].

PICADOR [BGP⁺¹⁷]. **PiCo** [MDT⁺¹⁸].

Picos [YÁJG⁺¹⁵]. **picture** [LYZC15, RM19]. **pictures** [WM14]. **PID** [dSFD⁺¹⁹]. **PID-inspired** [dSFD⁺¹⁹].

piecewise [GZZ⁺¹⁸]. **pillar** [RHH⁺¹⁹].

pillbox [HZM14]. **pilot** [RMHCMG15]. **pinning** [KAEC⁺18]. **Pipeline** [PPG19, KN10, ZZJ17, HRR⁺14]. **Pipeline-integrity** [PPG19]. **pipelined** [PWMX17]. **pipelines** [MDT⁺18]. **pipsCloud** [WMY⁺18]. **Pixel** [XTL⁺19, PDK10]. **Pixel-wise** [XTL⁺19]. **PKI** [JLX⁺19]. **place** [PWMX17]. **placement** [AD19, AK14, ACK⁺15, BBB⁺19, CRTN17, EBCP18, GLJ19, LLWW18, LWTL19b, LWZ18, LPBB⁺18, MLG13, MNV12, MDD15, Pon19, SMBMT⁺18, TZLL18, TMW⁺17, TMMVL12, YPLZ17, YYLC10, ZWHC17, ZLL⁺16]. **Placing** [HZ19, KN10]. **plagiarism** [AIP⁺19]. **plan** [ABZK15, LWS⁺12]. **plane** [CBBdL16, GZLZ16, HYG⁺19, LLW⁺19c]. **Planning** [WTM⁺17, BA17, CMB17, CYJ19, DCC⁺14, SSHC19, SA14, XCZ⁺19, ZWMC19]. **plant** [PAC⁺17]. **Platform** [GPS⁺17, PECA19, SV16, AMQS⁺19, ABB⁺19a, AAA⁺19, AAI⁺19, CQW⁺19, CVKB12, CGSV17, CSQL17, FPP⁺18, FCD⁺14, FSP⁺18, GTMZ17, JNS⁺19, JCA⁺19, KSS19, KSC⁺19, KGS⁺19, KKS⁺18a, KKKM17, KKKM18, LYJ10, LC14, LSH⁺11, LXL⁺19, LLW⁺18b, MAD⁺16, NV11, NKB19, NDZ⁺18a, NDZ⁺18b, NDZ⁺19, PWB⁺13, PPLL17, QZD⁺18, SAGGB17, SA19, SBD⁺18, TKA⁺18a, TSGVRS19, TCN⁺14, TCB⁺17, VF18, WQG15, WCC⁺16, WZW19b, XFLL16, YWL⁺17, ZZBP19, dSK⁺19, CLM⁺16]. **Platform-as-a-Service** [CLM⁺16]. **platforms** [AUSA19, àCKPM19, CCT13, CA15b, DXL⁺18, HA16, HA18, KMK⁺14, LCH⁺11, LOR⁺18, LLW⁺18a, LRZ⁺18, LZX16, MCdA16, NNC⁺19, PPPS18, PPA18, RML⁺19, RB18, SB16, SBP⁺17, SG15, ZCL⁺14, ZZQ⁺13, dSBN19]. **play** [dRRRR⁺18, WXYL15]. **Playing** [Mér17]. **PLC** [XKJ⁺18]. **plot** [ARP⁺19]. **plot-based** [ARP⁺19]. **plug** [dRRRR⁺18]. **plug-and-play** [dRRRR⁺18]. **plumes** [Sha16]. **PM** [XTL⁺19]. **PMC** [BBC⁺12]. **PMC-based** [BBC⁺12]. **PMI** [TLC⁺15]. **PMSM** [VS19]. **Point** [KPG19, CWL⁺19, JXZ⁺19, LWSY18, LW18b, SKF⁺11, XWL⁺18]. **point-of-interest** [JXZ⁺19, LWSY18, LW18b]. **pointer** [KP12, KPG19]. **pointing** [MKS18]. **Points** [YZZC19, DNJG17, LZL19b]. **Poisonedwater** [WN10]. **Poisson** [LZLL18a]. **PoKeMon** [FZW⁺18]. **policies** [ADBO18, BFP18, CXC⁺18, DT16, EPB18, KDG⁺19, Lea13, LHM14, MG14, MVC⁺13, PZA18, SMSF18]. **Policy** [NCS12, Rao17, SME⁺21, SVK19, AEK⁺18, BBI13, DLH⁺17, FS18, GCTLA⁺19, HZL18a, Hua10, JFZL17, JSMG18, LJY10, LDZW19, MHZK18, QRW⁺18, SME⁺19, XZP⁺19, XLL18b, LAL⁺15, LHL15]. **policy-based** [GCTLA⁺19]. **policy-hidden** [XZP⁺19]. **pollination** [GHEB⁺18, GHEB⁺23]. **polling** [WWG19a]. **polyadic** [Bu18, GLC19]. **polymorphic** [AMM16]. **Polynomial** [CLS⁺19b]. **Polynomial-based** [CLS⁺19b]. **Polynomials** [TX14]. **polysomnographies** [KCH⁺13]. **pools** [HS19]. **POP** [ZCDV19]. **Popularity** [WZML18, ZLL17a]. **Popularity-based** [WZML18]. **population** [KX11]. **pornographic** [LYXT14]. **port** [ESPN17]. **portability** [HA18, PSL19]. **portable** [MMC⁺18, PMPC13]. **portal** [FFPS10, RMA⁺16, FK11, FNA12]. **portfolio** [HKP10]. **ports** [CSL18]. **Position** [FZW⁺18, YXA⁺18, BSE⁺13, ZF16]. **position-based** [ZF16]. **positioning** [CCC19, HDH⁺18, LLW⁺16, OMD⁺18]. **positive** [WJLW18]. **positives** [LY17]. **possession** [Che13b, GZQ⁺19, SYY⁺17, YZN⁺15]. **post** [BDMO11]. **post-production** [BDMO11]. **posts** [HO17, NO19]. **posture** [TMB⁺19].

Potential [WZH⁺19, ABD⁺19, AAC⁺19, KPS18, LZH⁺18, MKS18, WLYL11]. **Power** [ADAAD12, AAM⁺16, AEME⁺18, CLL⁺18a, JLCC12, KESL17, KAEC⁺18, LLC14a, MP17, PZA18, SCEC18, TKA18b, XLL⁺19c, AAQ⁺19, BBC⁺12, CT19a, CT19b, CRB⁺16, DMC⁺19, DDD18, DHC⁺17, FAA⁺18, FPL⁺19, GRTV10, GVdBdL15, GFW⁺18, HH19, JOPW14, JNR12, JKLK17, KCM19, LWW⁺18, MMC⁺18, NSSA⁺14, Qur19, RMRS19, RCTY19, VGC⁺13, WZWC18, WWG19a, WOPW13, YZLQ14, YLHJ14, YGY⁺19, ZAC⁺18, vdLLE19]. **Power-Aware** [TKA18b, ADAAD12, AEME⁺18, LLC14a, DDD18, JNR12, Qur19]. **power-awareness** [GRTV10]. **Power-efficient** [AAM⁺16, JLCC12]. **Power-performance** [KAEC⁺18]. **power/rate** [KCM19]. **Powered** [TAB⁺18, CFMC19, GDS18, GCZ⁺19, PSW⁺14, ZZBZ19]. **powerful** [ABM19, BSE⁺13]. **PP** [WZML18]. **PPDP** [ZZXL18]. **PPFSCADA** [FTA⁺14]. **PPG** [RAA⁺19]. **PPQ** [MTD18]. **ppXen** [ASB18]. **Practical** [ÇÖ13, KGT15, WOPW13, BGS⁺19, HCL⁺17, MdOO⁺17, QMSG12, WDR⁺19, ZSW⁺18a]. **Practice** [CDFZ16, XDWL15, PMPC13, WGM15]. **practices** [KS19, TIHT14]. **pre** [SR12, ZCQ⁺16]. **pre-cache** [ZCQ⁺16]. **pre-fetching** [SR12]. **precaution** [AQRH⁺18]. **precedence** [MRN19, TLL⁺11]. **precise** [AMÇ19, GGN17, WHS⁺18, HYF18]. **precoded** [KKB⁺19]. **precoding** [ZWL13]. **precompiler** [BEWZ10]. **preconditioning** [BTM10]. **Predatory** [XRPT18]. **predicate** [FH13, HFT16]. **predication** [RGM⁺19]. **predict** [AS19a, ABG17, CLP⁺14, ZLTY10]. **predictability** [BVFGWA15]. **predictable** [MWPVB12]. **Predicting** [BDA19, CND⁺19, MAJD18, MDB⁺18a, SPSP17, DRC⁺19, LLT⁺19, WQG15, YWLL19]. **prediction** [AFSH⁺18, AQAR⁺18, ADA⁺19, AMKM18, AK18a, BMR15, BZHV19, BBMG10, BRB19a, CHWW13, CGV10, CSL17, CAL⁺18, CSL19, CGM⁺18, CRWZ19, DMZ12, DdM10, DLS⁺12, FEÁ19, GAW⁺18, GSP⁺17, GP11, GAA19, HPZL18, HUY⁺19, HSV⁺17, HHS⁺18, IKLL12, JHC18, JLY⁺18, Jun18, KXS⁺16, KLJS19, KLV⁺18, KS18c, Kyr19, LWSY18, LMCSE19, LCY⁺19b, LJW⁺19b, MZH⁺17, MID16, MCT⁺15, MPF⁺16, MQL⁺19, NWD⁺18, PSI19, PNGFJ13, PTD⁺18, RGAT18, RRKA19, RLP12, RCW⁺19, SMRM13, SL11, SRP19, TYWZ18, VVB15, WHW17, WYH⁺17, WYL⁺18, XHL⁺19, YLH⁺19, YHH⁺19, ZZXL18, ZZBP19, ZZBZ19, ZWYH19, ZXL14, FGG13]. **predictions** [CRTN17, NF13]. **Predictive** [BMP⁺16, JYZ⁺19, LBD18, ML19, NJH⁺18]. **predictor** [XJY⁺18]. **preemptible** [GdCP19]. **preemptive** [CLR18]. **Preface** [ARB12, KJ12, LH13a, LSHW17, Śle14, XKC13]. **Preference** [ZZC14, MTD18, SRP19, ZL18]. **Preference-based** [ZZC14]. **preferences** [BCF16, LLGY18, MBL⁺19, OAMS18]. **Preferred** [LZY⁺19b]. **prefetching** [WZWC18]. **prefix** [DZLA19]. **pregnancy** [MRS⁺18a]. **premiere** [MBC⁺11]. **preprocessing** [MCSA18, RHKC15]. **Preprocessor** [VOV17]. **prescription** [HIA⁺18b]. **presence** [KDHP16, MFT⁺17, RBLvM14]. **present** [AGMT17]. **preservation** [KRZ⁺19, PLW⁺19, SYJA19, URC19, XXQ⁺19]. **preserved** [CRYG18, ZCL⁺19]. **Preserving** [TSOB15, YDNN16, ALL⁺18, CZ12, DHW⁺17, FTA⁺14, FH13, FXG⁺19, FLL⁺19, FRZ19, GQXL18, GAI⁺18, GSR⁺19, IOV⁺18, JCMPPC⁺18, JYY⁺17, JLC18, JLY⁺19, KKB18, KC19a, KLMB19, KH18b, LLC⁺14b, LCL⁺16, LLH⁺17, LYY⁺18, LLY⁺18, LXMW15, LLM⁺16, LDY⁺18, LNY⁺18, LLAW17, MML⁺18, MQL⁺19, NK17, NLS19, PSY⁺19, QZD⁺18,

QGX18, RBA17, SYY+17, SLW11, SLL+17, TAS+18, VCD+18, Wan18b, XCS+18, YLN15, YZG+18, YZL+19, YCXW18, YHH+19, ZYK17, ZZXL18, ZZX+19, ZCDV19, ZRZ+14]. **pressure** [RAA+19]. **pretense** [NNC+19]. **preterm** [PSI19]. **prevalence** [RAKJ18]. **prevent** [LTN10]. **Preventing** [WTTH19, SM18, TWG+19]. **prevention** [HA19, KIAD17, SMF+19]. **prevention-based** [SMF+19]. **preventive** [PPMM+18]. **Price** [CLRL18, FEÁ19, GGLW18, JTB13, JHC18, SSHC19, WBR19]. **pricing** [ADA+19, DVB14, DEG+17, JBR+16, RA12, YLJL18, YVCB10, ZXZL18, GVA+16]. **primitives** [BH13]. **principal** [MZYA19]. **Principles** [VRGR16, GS15]. **printed** [YCZJ18]. **priorities** [GS13]. **prioritization** [SRN+18]. **prioritized** [YH19]. **priority** [AS18a, ÇBCA15, DSCJ18, VAdIP12, ZZZC19]. **priority-based** [ZZZC19]. **Privacy** [AWYJ16, ACC+19a, ABB+19a, ALL+18, CBC+19, CRYG18, FTA+14, FRZ19, GQXL18, JYY+17, JLX+19, KH18b, LLC+14b, LYY+18, LLY+18, LLGY18, LLAW17, MHZK18, MQL+19, NK17, PMBS14, PSY+19, QGX18, SAK19, TAS+18, URC19, WSN18, XDWL15, YDNV16, YZG+18, ZYK17, ZWS+12, ZCL+19, ACL+18, AdvAGF18, AIA+18b, AM10, CD16, DA18, DGY+18, FH13, FXG+19, FLL+19, GAI+18, GBKJ18, GLD+19b, GSN+18, HAJ+19, HHW+19, HHK+16, HPL+19, IOV+18, JCMPPC+18, JLC18, KKB18, KYB+19, KRZ+19, KC19a, KLMB19, LCL+16, LLH+17, LYC18, LLW+19a, LXMW15, LLM+16, LSHW17, LDY+18, LNY+18, LRBW17, MML+18, NJB19, NWMG17, NLS19, PARMF14, PLW+19, QZD+18, RHH+16, RBA17, SYJA19, SYY+17, SCL14, SCZ+14, SLW11, SCH+17, SLL+17, TBR+19, VCD+18, Wan18b, WZE19, XCS+18, XXQ+19, YLN15, YZW+18, YXA+18, YZL+19, YCXW18, YKÖ17, ZCLW18, ZZXL18, ZCYZ18, ZLT+19, ZZX+19, ZZY+19, ZCDV19, ZRZ+14, FW19]. **Privacy-aware** [MHZK18, DA18, SCH+17]. **Privacy-based** [LLGY18]. **Privacy-friendly** [ABB+19a]. **privacy-preservation** [KRZ+19]. **Privacy-preserved** [CRYG18, ZCL+19]. **Privacy-Preserving** [YDNV16, ALL+18, FRZ19, GQXL18, JLX+19, KH18b, LLC+14b, LLY+18, LLAW17, MQL+19, PSY+19, QGX18, TAS+18, YZG+18, ZYK17, GAI+18, JLC18, KC19a, KLMB19, LCL+16, LLH+17, LXMW15, LLM+16, LDY+18, LNY+18, MML+18, QZD+18, SYY+17, Wan18b, XCS+18, YZL+19, YCXW18, ZZXL18, ZZX+19, ZCDV19]. **Privacy-protected** [WSN18]. **privacy-protecting** [CD16]. **Privacy/performance** [PMBS14]. **Private** [RBLvM14, BDCC19, CLL+14, FDP17, GSLI12, HYF18, KKL11, PMBS14, SGKC10, WLL+19a, ZLXZ18]. **privatized** [SB17b]. **PrivBox** [ABH18]. **privilege** [QRW+18, XWRZ19]. **PRNU** [VOCHC17]. **PRNU-based** [VOCHC17]. **Proactive** [GHYK18, LW18a, NHH+19, QGT+18, WZML18, ABDH19, CdRRdCB19, KAW12, LMA+19, NJH+18, SC19]. **Probabilistic** [AB19c, RT16, SGBK19, Bag16, Bag19, EMM12, LZJL19, SB18, WPY19]. **probabilities** [DK14]. **Probability** [HLC16, LYYY18]. **Probability-based** [HLC16]. **Problem** [WH19, ABMESM18, ABMMC18, ABMMC22, AK18a, BZMY10, BP13, DV13, DC19, DSCJ18, GMMM18, HXWW18, KPS18, OB19, SJR13, SK18, SV15, TV16, WLH16]. **Problems** [SSG17, CMT16, FFPS10, GOLL19, LPS19, MGMT18, SJV12, WWX+17, XA10, XRPT18, YDD+18, ZRZL18, ZTKF17]. **procedure** [AS19a, LYS12]. **procedures** [RB12]. **Process** [ANG+19, SJV+15, BGRBA19, CRVZ15, CAS+18, DLZ+14, EG18, HXC+18, JXZ+19,

KYZ19, LZLL18a, LWS⁺¹², LHW⁺¹⁸, LCCM18, MKM11, PTD⁺¹⁸, dRRdQGR⁺¹⁸, SSSJ19b, TIHT14, WZ16, YSC⁺¹⁹, YJL⁺¹⁹. **process-based** [LHW⁺¹⁸]. **process-independent** [EG18]. **processes** [Bag16, BBT19, BKB18a, CHSA18, LDJL19, MAB⁺¹⁵, WMLS14]. **Processing** [CLNR18, HCB16, LJ17a, MLBS11, WXGM18, YZI18, ATH⁺¹⁹, ADLM18, dRADFG18, BKB11, CQW⁺¹⁹, CMX⁺¹⁶, CLZ18, CLDC19, CGM⁺¹⁸, CBBdL16, EMHE18, FPR18, GXW⁺¹⁹, HB19, HRVW18, Hsu14, HZ19, JSZ⁺¹⁹, KKI14, Kim18, KVHT10, LZY^{+19a}, LKM14, LGW⁺¹⁷, LHW⁺¹⁸, LRC⁺¹⁸, LJW^{+19a}, LWR⁺¹⁹, MLC18b, MTD18, MAPA19, MDM⁺¹⁹, OMKM⁺¹⁹, PKY⁺¹⁷, PPS18, PPS⁺¹⁸, QNM⁺¹⁹, STC15, Śle14, SSL13, SRN⁺¹⁸, TWZP18, TDBR18, VEET18, WPGN⁺¹⁸, WZW^{+19a}, WWCN13, WMY⁺¹⁸, WZY⁺¹⁹, WdL16, WLW⁺¹⁹, WWZ⁺¹⁹, XB14, XTF⁺¹⁹, YFY⁺¹³, ZYB⁺¹⁸, ZFS⁺¹⁸, ZQB⁺¹⁸, ZSBB19, ZSP17]. **Processing-as-a-Service** [HB19]. **processor** [GS15, MRN19, MW12, WWZC19]. **processors** [ASW11, ADH⁺¹⁶, BVFGWA15, GVA⁺¹⁶, KR14, Li18, LG16b, PAB⁺¹⁴, WSH⁺¹⁶, WLRL18, YDT19]. **procurement** [VVB15]. **Producing** [Wei11, LHJC18]. **product** [SPS18, WHCZ18, XLL^{+19b}]. **production** [BDMO11, CFH⁺¹⁹, EG18, GSV⁺¹⁰, LLC⁺¹⁶, MSS⁺¹³, RGM⁺¹⁹, RSRA18, RWV⁺¹³, YMW⁺¹⁸]. **productive** [IHA18]. **products** [BAB13, GGLW18, KHG⁺¹⁸, VK17]. **products-Towards** [KHG⁺¹⁸]. **professionalized** [ZCH⁺¹⁷]. **ProFID** [ÇÖ13]. **Profile** [Qur19, VTTK17, CLM⁺¹⁶, LLAW17, SL11]. **Profile-based** [Qur19, VTTK17]. **profile-matching** [LLAW17]. **profiled** [RAKJ18]. **profiles** [PARMF14]. **Profiling** [ADLM18, TWdLZ19, EET18, JCD⁺¹³, LZHY19, PFS⁺¹³, SL11, YZLQ14]. **Profit** [AB17, AB18c, SSJ19, CBLS13, GBF⁺¹²]. **Profit-aware** [AB17, AB18c]. **profit-driven** [GBF⁺¹²]. **prognostics** [PLLP19]. **program** [ASV⁺¹³, LCH⁺¹¹, MWYC12, TBK⁺¹⁰]. **Programmable** [BRH18, XLL18b]. **Programming** [Lok12, ADAAD12, Bal16, CMS⁺¹⁸, DSCJ18, GQLX18, GdVC10, GGA⁺¹⁷, JLQ18, NF13, SFR15, WWC14, WM14, WHYZ17, YLG⁺¹⁶, YDQC19, ZME⁺¹⁵]. **programs** [CAB⁺¹⁸, TDC⁺¹⁴, WWZC19]. **Progress** [WGX⁺¹⁹, Ano19k, Ano19l, GK18, MAÇ17]. **progression** [DRC⁺¹⁹]. **project** [ALFR16, DSCJ18, FEB⁺¹⁹]. **projection** [BWG19, CGN18]. **projects** [KS19]. **Promises** [FRC⁺¹⁸]. **promote** [Mat18]. **prone** [AGKZ18]. **Proof** [LTC⁺¹⁹, LNY⁺¹⁸, SOM⁺¹⁹]. **Proof-of-Activity** [LTC⁺¹⁹]. **Propagation** [CsZW14, SKS⁺¹⁸, FX10, LNB14, OA17, WWSL19, WTTH19, XHL⁺¹⁹]. **proper** [SMBMT⁺¹⁸]. **properties** [DA16, KJI11, SAM⁺¹⁹]. **property** [YSZW18]. **proportions** [kHsZwJW18]. **proposal** [SCAC⁺¹⁹, dCRL⁺¹⁹]. **prospect** [CPE⁺¹⁷]. **prospects** [URC19]. **protected** [AGBR19, WSN18]. **Protecting** [CYW⁺¹⁹, Sip12, SSB13, CD16, HHW⁺¹⁹, TBR⁺¹⁹]. **Protection** [AIM⁺¹⁹, AIA^{+18b}, ELAEAVAM19, HZW⁺¹⁸, HHXL13, HAAR⁺¹⁹, HPL⁺¹⁹, KYB⁺¹⁹, LTJK12, LLW^{+19a}, LZL⁺¹², PvSS17, RS17b, TMJH19, WDJC18, XWRZ19, ZZY⁺¹⁹]. **protein** [CGV10, DNJG17, MMVS19, SSLF⁺¹⁰, VR12, ZZBZ19]. **proteinuria** [QXZ⁺¹⁹]. **Protocol** [GLXF17, AMKC19, AGR19, AQRH⁺¹⁸, AT19b, AKB^{+18a}, ASAA18, AH11, BP13, BRB19a, BGNI19, CHJS⁺¹⁰, FG18, GCK18, GZL⁺¹⁸, HZW⁺¹⁸, IOV⁺¹⁸, JBM⁺¹⁸, KYB⁺¹⁹, KC19a, LCL⁺¹⁹, LSD11, LWW⁺¹⁶,

LWL⁺¹⁸, LEW19, LM12, LLAW17, MLC^{+18a}, MZD⁺¹⁶, RACA18, RRU⁺¹⁸, SCS⁺¹⁸, SL19, SAVS19, TKA18b, TZD⁺¹⁹, Wan18b, WDZ19, WMA⁺¹⁹, XZZ⁺¹⁴, ZXW⁺¹⁸, ZYW⁺¹⁸, ZXWA18, JL14].

Protocols [ZYA⁺¹⁸, BSRR18, CJG⁺¹⁸, DZH18, ELAEAVAM19, GBKJ18, LTC12, RC18, RC19, RMDB18, TLSC17, TVV13, TAS⁺¹⁸, URKM19, YH18, ZGS⁺¹³, ZAI⁺¹⁸, dCRL⁺¹⁹]. **prototype** [Ans11, WWVJ17]. **prototyping** [GMD19, XWW19]. **prova** [GMB19]. **provable** [GZQ⁺¹⁹, WXYL15]. **Provably** [ODK⁺¹⁷, WWW⁺¹⁶, Wan19, ECE⁺¹⁹, KLW⁺¹⁷, TX14].

provably-secure [ECE⁺¹⁹]. **Provenance** [GCM⁺¹¹, GM11, Mil11, MCF⁺¹¹, SB11, ATdC⁺¹⁶, ABG17, Asu13, CPA14, CDL18, CMD⁺¹⁴, DCMB15, DMMM11, FKOC11, GSR⁺¹⁹, HMM18, IHK⁺¹⁸, LCHW14, LLCF11, LFH⁺¹⁵, MSS⁺¹³, MG11, SGM11, WHW17, XFTZ16]. **provenance-based** [GSR⁺¹⁹]. **provide** [dSGD19]. **Provider** [GVdBdL15, BMU16, CLM⁺¹⁶, GBRM18, IGB⁺¹⁴, PRSR14]. **Providers** [ABTA18, FMN⁺¹⁷, SS17, AM19b, CMB17, CAC⁺¹⁵, CBLS13, FG14, LLY⁺¹⁸, MG14, SSRQ19, SKS17, TMMVL12, YDQC19]. **Providing** [CCCT14, MLM16, BBC⁺¹⁷]. **proving** [RB12]. **provision** [FWB13a, GPVN19, Mat18, WLZ⁺¹⁶, ZZH⁺¹⁶]. **provisioned** [ABN17, MG10]. **provisioner** [JNR12]. **Provisioning** [MMVP13, MBV⁺¹⁵, AK19, AAAQJ⁺¹⁸, Ano12r, BKKM11, CVKB12, CVT19, CFVP12, CBS17, FEÁ19, FSM^{+18a}, GAJP18, HC17, HSBE19, HB19, IDCJ11, IKLL12, ISS⁺¹⁵, KPA17, KMK⁺¹⁴, Len16, LSYC18, MJDN15, PDH18, PS19, RML⁺¹⁹, RBN13, RP18, dRRRR⁺¹⁸, SBAD⁺¹⁸, SGJ18, SPSP17, SSKK13, SLB⁺¹⁷, SLZ⁺¹⁸, TKR⁺¹⁵, TSB18, VHML11, VCKB12, VOS12, XTT18]. **proximal** [HHK18]. **proximity** [Alp18, GDJ⁺¹³, LLAW17, WWVJ17, YCXW18]. **proximity-aware** [GDJ⁺¹³].

Proxy [LAL⁺¹⁵, BGP⁺¹⁷, HCZW17, HYF18, LL16, PAL⁺¹⁹, TX14, Wan18a, ZDW⁺¹⁶]. **pruning** [YK17]. **PS** [XRPT18]. **PS-CTPSO** [XRPT18]. **Pseudo** [LZCX19, RNR18]. **Pseudonym** [ACC^{+19a}]. **pseudorandom** [BGC19b]. **PSO** [LZL^{+19a}, SGRT19, ZWL13]. **PSO-based** [SGRT19]. **PSO-SVR** [LZL^{+19a}]. **psychology** [AC16]. **PTAS** [JLX⁺¹⁹]. **Public** [GMM18, WSQ⁺¹⁶, AAA⁺¹⁹, CC19, DDMPG17, JTB13, LMZ⁺¹⁴, LLW^{+18a}, LH13b, LL16, PPS18, SCCS11, SCEC18, TVB18, TCH19, VGD⁺¹⁹, WWDF18, WHS⁺¹⁸, ZWQ⁺¹⁹, dOOO⁺¹³]. **public-resource** [SCCS11]. **publication** [GB10, TSTL16, WSN18]. **Publish** [BGP⁺¹⁷, AMPZ16, EBCP18, GGC17, MWQ⁺¹⁴, OKF10, XWJ⁺¹⁶]. **publish/subscribe** [AMPZ16, EBCP18, MWQ⁺¹⁴, OKF10, XWJ⁺¹⁶]. **published** [PFS⁺¹³]. **publishing** [FTA⁺¹⁴, PSY⁺¹⁹, SLW11, ZWS⁺¹²]. **PUF** [BDL⁺¹⁹]. **PUF-based** [BDL⁺¹⁹]. **Pulse** [OMPSPL⁺¹⁹]. **purchase** [GLW18]. **purpose** [BRNR15, GXW⁺¹⁹, VVB11]. **pursuit** [YZWG18, YSZW18]. **pvp** [WWP20, WWP19]. **PWLM** [TMDZ15]. **pyramid** [DGA18]. **Pyxis** [vKvWD⁺¹³]. **Pyxis-DT** [vKvWD⁺¹³].

Q [KBVH14, NUPA19]. **QaMeC** [WLH⁺¹⁹]. **QCG** [ACH⁺¹¹]. **QCG-OMPI** [ACH⁺¹¹]. **QFD** [ABMMC22, ABMMC18]. **QoS** [AB18c, BFS^{+17a}, AJY12, AJY15b, ACCD17, AMT⁺¹², AB17, BFS^{+17b}, CVKB12, CCIP18, CM17, CAC⁺¹⁵, CSL17, CSL19, CCCT14, CRB⁺¹⁶, FG18, FD12, FA11b, GMMM18, GHMX10, GJGB19, GJF⁺¹², HB19, HYX⁺¹⁹, HMW14, JS12, JGFB18, KC14, KARP14, LD17, LCL14, LWS⁺¹², LLW^{+12b}, LHPC⁺¹⁹, MCL⁺¹⁶, MZH⁺¹⁷, MCT⁺¹⁵, OWX19, PSJ⁺¹²,

PNZ14, QCY⁺¹⁹, QCD16, SC16, SSKK13, SLS⁺¹⁹, SK19, VAdIP12, VSKS19, WLZ⁺¹⁶, WPY19, WZ13, WYH⁺¹⁷, WYL⁺¹⁸, WLH⁺¹⁹, XTT18, ZFW14, ZWYH19]. **QoS-aware** [KC14, ACCD17, AMT⁺¹², CCIP18, CCCT14, FG18, GMMM18, GJGB19, JGFB18, MCL⁺¹⁶, SK19, WLZ⁺¹⁶, WPY19, WZ13]. **QoS-based** [FA11b, SSKK13]. **QoS-driven** [BFS^{+17a}, AJY12, BFS^{+17b}, CVKB12, WLH⁺¹⁹]. **QoS-enabled** [QCY⁺¹⁹]. **QoS-guaranteed** [XTT18]. **QoS-oriented** [HYX⁺¹⁹]. **QR** [SGS⁺¹⁸]. **QRD** [ZWL13]. **QRD-based** [ZWL13]. **QRE** [WSZH18]. **QRFence** [SGS⁺¹⁸]. **QTI** [DWJM18]. **quadtree** [ZWL⁺¹⁶]. **Quake** [BSE⁺¹³]. **Quake-Catcher** [BSE⁺¹³]. **Quality** [AJY15b, HB19, HXL⁺¹⁸, JY15, MCR⁺¹⁶, Sta17b, VOS12, ZWJ^{+19a}, ACSV18, CMG⁺¹⁹, Che13a, DWJM18, GAFFOG12, GGA⁺¹⁷, KSW⁺¹³, LWS⁺¹², RHH⁺¹⁹, SMP12, WdL16, WLW⁺¹⁹, WPS⁺¹⁸, Zin18, dSGD19]. **quality-assurance** [WLW⁺¹⁹]. **Quantification** [LKCS18]. **Quantified** [LG16a]. **Quantifying** [CN17, ZTL⁺¹⁹, AB19a, ABGMC19, AB21]. **quantitative** [CRWZ19, LWLW⁺¹⁸, XAW⁺¹⁰]. **quantization** [CCZ⁺¹⁹]. **Quantum** [QCX18, ELAEAVAM19, LCW⁺¹⁸, LSV⁺¹⁸]. **quantum-based** [ELAEAVAM19]. **quantum-induced** [LSV⁺¹⁸]. **quantum-inspired** [LCW⁺¹⁸]. **queriable** [SJT18]. **queries** [ATS14, ARP14, CLR16, JLD⁺¹⁹, KYB⁺¹⁹, LXZ⁺¹⁸, MLW^{+18a}, SLC⁺¹⁷, YAO14, ZWZ18, ZLXZ18]. **Query** [MVG18, ZMP10, JLC18, LZY^{+19a}, LXK⁺¹⁴, LRMS19, MCL⁺¹⁶, MTD18, MW12, PdAF12, QNM⁺¹⁹, WZW^{+19a}, YFY⁺¹³]. **Querying** [NS17a, Ans11, LZL⁺¹⁶, LLCF11, SB17b, ZSZ14]. **queue** [AS18a, RS17a, ZA14]. **queuing** [KDG⁺¹⁹, Pon19, YZ12]. **quick** [KGLY18, WSZH18]. **quick-response** [KGLY18].

rack [LFP⁺¹⁷]. **radar** [KS17a, LXT⁺¹⁹]. **radiation** [GZZ⁺¹⁸]. **radicalisation** [LCGPC19]. **Radio** [TKA18b, ASAA18, BMK^{+14b}, CdRRdCB19, LBM18]. **RAID** [WZML18]. **rail** [LSZ⁺¹⁸]. **railway** [CLZ18, GCCL18]. **Random** [LZL⁺¹², ArMS19, BYL⁺¹⁸, HHW⁺¹⁹, LXD17, LXM⁺¹⁸, MLW^{+18b}, RNR18, ZSFZ19]. **randomized** [PdASM18]. **Range** [STA17a, CLR16, CSL19, LWX13, PM14, SJTN18, WZW^{+19a}]. **Range-** [STA17a]. **range-based** [LWX13]. **range-queriable** [SJT18]. **Rangelands** [TSTL16]. **rank** [BTG19, HZC10, KRZ12, RS16]. **ranked** [LXK⁺¹⁴, NJB19, YQZ⁺¹⁹]. **Ranking** [YG18, DFG⁺¹⁹, DA16, GVB13, LWD⁺¹⁴, LYW^{+18a}, MCT⁺¹⁵, SKS17, SRKS18, WN10, ZSJ19, ZSGJ19]. **ransomware** [ArMS19, HDA⁺¹⁹, ZXM⁺¹⁹]. **Rapid** [AM19b, GMD19, WWCN13, SB19b, XWW19]. **RapIoT** [GMD19]. **RAR** [HLL⁺¹¹]. **rate** [HJA⁺¹⁹, KHJ10, KCM19, KMJ18, SPT⁺¹⁸, ZXW19]. **rather** [LSAM13]. **rating** [DV13, TQL⁺¹⁹, ZZBP19, vKLA⁺¹⁹]. **ratio** [RCTY19]. **Raw** [SLC⁺¹⁷]. **ray** [DRZ⁺¹⁹, SYT⁺¹⁹]. **RBAC** [LXZ⁺¹⁸]. **RConf** [PKI⁺¹⁸]. **rCUDA** [IPG⁺¹⁸]. **RDF** [DA16, Gra15]. **RDMA** [ABF^{+15a}, LBM18, WHZ19]. **RDMA-enabled** [ABF^{+15a}]. **re** [BGP⁺¹⁷, DEL19, HYF18, JCL⁺¹⁵, LYW^{+18b}, LL16, PFRC16, WHZL10, Wan18a, ZDW⁺¹⁶, LAL⁺¹⁵]. **re-decomposition** [WHZL10]. **re-encryption** [BGP⁺¹⁷, HYF18, LL16, Wan18a, ZDW⁺¹⁶, LAL⁺¹⁵]. **re-enrollment** [DEL19]. **re-fusion** [LYW^{+18b}]. **re-optimization** [PFRC16]. **re-outsourcing** [JCL⁺¹⁵]. **read** [IDCJ11, TMDZ15]. **ready** [MMC⁺¹⁸]. **Real** [AKG⁺¹⁷, BKB11, CDH⁺¹⁹, DGD⁺¹⁶,

EET18, HKU⁺¹¹, HEES19, Kim18, LRZ⁺¹⁸, MG18, NJ17, OKF10, RPA⁺¹⁸, VSBN19, AB19b, BMP⁺¹⁶, CPGBC16, CXZ⁺¹⁹, CCT13, CRRC18, CFF14, FAMA⁺¹⁷, GVURIVBV14, GKW⁺¹², GRX19, HJA⁺¹⁹, HNCJ13, JOPW14, LWZ^{+19a}, LJ19b, LG16b, LHY⁺¹⁹, MPCAF15, MGA⁺¹⁸, MOFGP18, MRN19, OPT⁺¹⁷, PKF14, PTD⁺¹⁸, PWP⁺¹⁸, PGTBC18, SK12, SK19, TSRG17, TCCW19, WQG15, WSH⁺¹⁶, WOPW13, Wu16, YAO14, YNSM12, YCL⁺¹⁹, ZMTT16, ZWJ^{+19a}, ZCK⁺¹⁵, ZSP17, Zin18]. **real-life** [JOPW14, LWZ^{+19a}]. **Real-Time** [MG18, AKG⁺¹⁷, BKB11, CDH⁺¹⁹, DGD⁺¹⁶, EET18, HKU⁺¹¹, HEES19, Kim18, LRZ⁺¹⁸, NJ17, OKF10, RPA⁺¹⁸, VSBN19, AB19b, BMP⁺¹⁶, CXZ⁺¹⁹, CRRC18, GVURIVBV14, GKW⁺¹², GRX19, HNCJ13, LG16b, LHY⁺¹⁹, MPCAF15, MOFGP18, MRN19, OPT⁺¹⁷, PKF14, PTD⁺¹⁸, PGTBC18, SK12, SK19, TSRG17, TCCW19, WQG15, WSH⁺¹⁶, Wu16, YNSM12, YCL⁺¹⁹, ZMTT16, ZWJ^{+19a}, ZCK⁺¹⁵, ZSP17, Zin18]. **realistic** [CPGBC16, KMST19]. **reality** [GGH⁺¹⁹, LLS⁺¹⁹, RMSPP17]. **Realizing** [YH19]. **rear** [PWP⁺¹⁸]. **rear-end** [PWP⁺¹⁸]. **Reasoning** [TVV13, DKFKF18, LLCF11, NS19, SCN14, ZGZ⁺¹⁰]. **reassignment** [LXZ⁺¹⁸, STMV18]. **recall** [HMMW19]. **received** [AKM18]. **Receiver** [WCWC20, WCWC19]. **rechargeable** [CZM⁺¹⁸, YHL⁺¹⁹]. **Recognition** [GTEL⁺¹⁸, SLTK19, TCCW19, BG12, Bae14, CPP⁺¹⁸, CZ12, EU19, GPJA⁺¹⁴, HLZ⁺¹⁹, HUMA18, HLL12, HLT⁺¹⁸, HMMW19, IFD⁺¹⁹, JLQZ18, KAP19, KSS19, Kha12, KPG19, LLSL18, LZL19b, MCRB19, OCW14, PSS⁺¹⁸, RSY⁺¹⁸, RM19, SCZ⁺¹⁹, TJ18, UMUB19, YPCK12, YXY18]. **recognizing** [ZDL⁺¹⁹]. **Recommend** [GGLW18]. **Recommendation** [GCCPGBGS10, RMA⁺¹⁸, WLL^{+19b}, ABZK15, AK18a, CQW⁺¹⁹, CZL^{+18a}, CCJ16, CHY⁺¹⁸, FLR⁺¹⁶, GJ18, GGMS18, JTL⁺¹⁹, JXZ⁺¹⁹, KZA⁺¹⁸, LCH⁺¹¹, LCW⁺¹⁸, LZH⁺¹⁸, LLW^{+19b}, LXMW15, LQLX10, LLGY18, LW18b, LWXY19, LSV⁺¹⁸, MML⁺¹⁸, MLW^{+18b}, QZD⁺¹⁸, RW18, WWH⁺¹⁹, WMA18, dOWdAS⁺¹⁸, XLL^{+18a}, XZ16, YWL⁺¹⁷, ZZJY16, ZSGJ19, ZL18]. **recommendation-based** [CQW⁺¹⁹]. **recommendations** [SDK19, ZCH⁺¹⁷]. **Recommender** [EGVT18, YL18, AMPP19, DV13, KKB18, MQL⁺¹⁹, TNY17, TAKV12]. **Recommending** [ACCM19]. **reconfigurable** [ASW11, FFC12, HZDS19, LKTC14, YP12]. **reconfiguration** [EG18, GHY⁺¹⁸, GVURIVBV14, MNV12]. **reconsolidation** [SHRE16]. **reconstructed** [AD18]. **reconstruction** [LLU⁺¹⁸, WWA19, YSZW18]. **record** [CLC⁺¹⁹, BSRR18]. **recordable** [LWW⁺¹⁶]. **Recording** [FM10b]. **Records** [Rao17, AIM⁺¹⁹, LZLL18b, LHL15]. **Recovery** [SPJ17, WZML18, BNJ16, DYY⁺¹⁹, LPMY18, LZS18, MSI⁺¹², MDB^{+18b}, QMCX19, RRU⁺¹⁸, SA14, TSAER18, YIA17]. **recruitment** [SOM⁺¹⁹]. **recurrence** [ARP⁺¹⁹]. **Recurrent** [HDKC18, HUY⁺¹⁹, RCW⁺¹⁹, AAYL19]. **recurring** [ZWZ18]. **recursion** [BBH18]. **redesign** [WLB11]. **reduce** [BEWZ10, Gra15, LLZ⁺¹⁹, MVL18b, SCCS11, TJZ⁺¹⁵]. **Reducing** [FEÁ19, SYQ⁺¹⁹]. **reduction** [FdAGdAFV19, MZYA19, VVC⁺¹²]. **redundancies** [LYJ10]. **redundancy** [AMR18, DZZ⁺¹⁵, PJDO13, ZHL⁺¹⁸]. **redundancy-based** [DZZ⁺¹⁵]. **reefs** [FEPC18]. **Refactoring** [KTB18]. **Reference** [CBS17, RCOP⁺¹¹, SCAC⁺¹⁹, XWX⁺¹⁷]. **refined** [Bag19, WPY19]. **Refinery** [CSJ⁺¹⁷]. **regarding** [MLGGB⁺¹⁷]. **regeneration** [ZYCZ19]. **Region** [ST11, LXRS19, LZT⁺¹⁹, LZL⁺¹²].

region-based [LZT⁺19]. **register** [MWYC12]. **registration** [XPL19]. **Registries** [SZK18]. **Regression** [CAPG18, FSM⁺18a, RRKA19, AQAR⁺18, ZZC18]. **regular** [LSG18, LKTC14, THA⁺17]. **regular-topology** [LKTC14]. **regularization** [CWJD19, QCZH19]. **regulating** [PYH17]. **regulation** [LTN10, MSS⁺16]. **regulations** [SDK19]. **regulatory** [HHL11]. **reinforcement** [BW19, LYYW19, NLV⁺19, QCY⁺19, SHL⁺19b, WXZL11, YYW⁺19, ZZ19]. **related** [FPR18, GAFFOG12, HXA⁺17, LKK⁺16, PKA19, TBS⁺18]. **relation** [LLS⁺14]. **relational** [GVDT16, LLCF11]. **relations** [NS19, XLZ⁺14]. **Relationship** [YTQ19, BFP18, FPL⁺19, HCC⁺14, WLLF16, YZW⁺18, YTQ20]. **relationships** [SM10, SCZ⁺19, YWY⁺17]. **Relaxation** [KJI11, MCL⁺16]. **relaxing** [KJI11]. **relay** [DPK⁺19, ROK19, ZWL13]. **relaying** [SYJA19]. **release** [JLL17, WLL⁺19a, ZLXZ18]. **Releasing** [WZE19]. **Relevance** [BBD⁺19, BCdV⁺19, PC17]. **Relevance-based** [BBD⁺19, PC17]. **relevant** [NHH⁺19, SHL⁺19b]. **Reliability** [KCK16, AEM10, GIM16, KHG13, KH18a, LYJ10, MSO18, PRL⁺19, SYQ⁺19, VK17, WYBS11, ZTC⁺19]. **Reliability-driven** [KCK16]. **Reliable** [GVBG17, KIMR15, CEP19a, CBT⁺19, DKV14, GSC⁺19, JCL⁺15, KB18, LZ10, LPK17, LPK18, LXMW15, LSL⁺18, MCAS19, MRH17, MKM11, RWO⁺19, TAS⁺18, Tor13, VSBN19, WQG15, WHS⁺17, WLP18, YW12]. **relieve** [KPS18]. **remaining** [RCW⁺19]. **remapping** [AS14, LJJ12]. **REMEDI** [SZG⁺19]. **remediation** [KAW12]. **remnants** [QC13]. **Remote** [MWW⁺15, MDA⁺19, OPT⁺17, SYY⁺17, WXZ⁺18a, YZN⁺15, AASI17, BDZ13, CCD⁺19, CHS11, DCC⁺14, FCD⁺14, GHEB⁺18, GHEB⁺23, GZW18, HKU⁺11, HEES19, LWK⁺18, LH13b, OPO13, SKF⁺11, SWW⁺18, WWCN13, WMY⁺18, YMW⁺18]. **remotely** [XAW⁺10]. **removing** [CLS⁺19b]. **Renal** [QXZ⁺19]. **renewable** [GDS18, TuIS⁺19]. **renewed** [MDA⁺19]. **Renovating** [MQN19]. **reordering** [WC14]. **reorganization** [SRN⁺18]. **repackages** [MH19]. **repackaging** [GMCM16, GMCM18]. **repair** [GDR⁺14]. **repartitioning** [KMB16]. **RePCoN** [PLA18]. **replaceability** [ZGS⁺13]. **replica** [AWN⁺13, LWTL19b, LWTL19a, MVCC10, MKRD19, SYL18]. **replicated** [HKS18]. **Replicating** [MBV⁺15]. **replication** [ASD12, AMT⁺12, CRVZ15, CTR⁺17, GS16b, GIM16, HNKÖ18, KKAS19, KIS11, LLpC12, LJY12, MLG13, MPC⁺18, PSJ⁺12, PGCC⁺10, PB18, SR12, ST11, SYQ⁺19, TZBK13]. **replicative** [SRN⁺18]. **repositories** [ARP14, NAM⁺19, SCBK⁺16, SSLF⁺10]. **repository** [BDG⁺19, GHJ⁺19, Ham17]. **representation** [BCdV⁺19, BCF16, CPA14, sGbKS19, Ima19, LZL⁺12, LLSL18, ML19, PBL⁺18, SHS⁺19, XLL⁺18a, XJY⁺18, XLL⁺19c, YJY⁺18]. **Representing** [GM11, AHL11]. **Reprint** [AB18c, GMCM18, KKKM18, LPK18, PBC⁺17, ZFC18]. **reproduce** [HMM18]. **Reproducibility** [SPdSR⁺17, BCG⁺19, CBBC⁺17]. **Reproducible** [GMB19, QWCW19]. **Reputation** [PS10, ABH18, FMRS18, GA13, GL19, LXMW15, LHX⁺18, LLJ⁺11, PVGD⁺19, RWY⁺18, TY11, TMP15, WN10, WYBS11, ZZH⁺18, ZCZ⁺18]. **Reputation-based** [PS10, PVGD⁺19]. **request** [LLYW19, YZ12]. **requests** [HFM19, SYAL13]. **requirement** [SMRM13]. **requirements** [GDP⁺18, HSS17, LLW⁺12b, MKS⁺19, QCD16, YHA⁺19, YS16]. **rerouting** [RRU⁺18]. **resampling** [HLZ⁺19].

Rescheduling [LZ10, dRRdQGR⁺18].

Research

[ACC⁺19c, CCIP18, CXZC18, CZH⁺18, CDFZ16, CSC18, CMZ⁺18, DJJ⁺18, HGM15, LBJ⁺18, LBJ⁺24, LGW⁺17, MYHZ18, VCE⁺19, WWZZ18, WZ18, WWZ18, YLL⁺19, YKÖ17, AZH18, BOWD⁺19, CLM⁺16, CLCY18, CDB⁺19, CGL⁺10, CMD⁺14, FEB⁺19, GSGPP⁺19, GML⁺13, GHJ⁺19, GSN⁺18, HPP⁺18, KZ17, KCH⁺13, MLC⁺11, MRT⁺19, MED16, MFL18, MM18, MND⁺19, MCWP16, OFMZ18, SDWS13, SVN⁺10a, URC19, VB18, WLHH18, YS16, wZcZN⁺19, wZcZN⁺20, ZL18]. **researchers** [HSB⁺18, SDWS13]. **researches** [PSI19]. **reservation** [CJK⁺18, DVB14]. **reservations** [CKP⁺19]. **reserved** [DEG⁺17, VVB15, WCHL10]. **reshaping** [DMZ12]. **residential** [GAA19, LIH⁺19]. **residual** [KSS19, RT15]. **resilience** [DLS14]. **Resilient** [AAAQJ⁺18, APR⁺19, CM17, DLZ16, DCF19, EBCP18, LBB⁺19, PGTBC18, RAdARP19, Wan18a, YAX⁺18, dSFD⁺19]. **resistance** [XYML19]. **Resisting** [WSU⁺10]. **resolution** [ACSdRRR17, DCC⁺14, GMMM18, sGbKS19, HNQ⁺18, JRJ⁺11, JP18, PDW⁺11, RMA⁺16, Wei11, YDK11, YTQ19, YTQ20]. **resolving** [SK18]. **Resonance** [RDSA18, HZX⁺19, HZX⁺20]. **Resource** [COC10, DPK⁺19, DXL⁺18, EZTL19, KK11, LWD⁺14, PFPJ18, PPL⁺15, PPA18, SMRM13, SAK⁺10, TCBPR16, TSB18, VPT⁺15, WCW18, WY17, AJR⁺19, AGKZ18, AMHJ10, AC18, AEME⁺18, AS14, BAA⁺19, BS11, BCF⁺10, BAB12, BMK⁺14b, BCR⁺12, BR10, CVKB12, CVT19, CFM19, CH10, CLC11, CLL18b, CXC⁺18, CS12, Ciu10b, CCD⁺10, DVD12, DSCJ18, EG18, Erd13, EMJ⁺13, EA17, FEÁ19, Fer13, FEPC18, FSM⁺18b, GEG14, GDJ⁺13, GAJP18, GBRM18, GBF⁺12, GJF⁺12, HAP15, HZZ⁺14, HCJ14, HB19,

HH19, HDLW13, IDM⁺16, IDCJ11, IKLL12, ISS⁺15, IAL10, JLCC12, JMAG19, KS18a, KC14, KHG⁺18, KMI11, KADJ14, KACN16, KV12, KKW⁺14, KGdL11, KK10b, KMK⁺14, Lea13, Lea15, LCBF13, LTN10, LPK17, LPK18, Li10, LYYY18, LLZ⁺18a, LSCL19, LLZ⁺19, LZCX19, LJY10, LC15, LLS⁺14, LSL⁺18, LWZ18, MBS13, NRR⁺15, NCS12, NK15, PFRC16]. **resource** [PdASM18, Pip10, PSW⁺19, PPB16, PKI⁺18, PRN14, QMSG12, QPTGG⁺12, RPH19, RGAT18, RC13, RML⁺19, RLP12, RT15, RP18, dRRRR⁺18, RGC⁺10, RSJ⁺14, RM11, SHBP10, SPD⁺19, SBAD⁺18, SIL⁺13, SCMS12, SMS14b, SSSJ19b, SCCS11, TLC⁺15, TKR⁺15, TTB⁺13, TVB18, TSBH11, URKM19, VAdlP12, VHML11, VVB13b, WCHL10, WCF⁺15, WLA18a, XWZ⁺19, XTT18, YC13, YW12, YPHZ14, YMD⁺13, YMY⁺17, ZCM19, ZAB15, ZL13, ZZH⁺16, ZCS⁺16, ZGL⁺18, ZXZL18, ZZZ17, ZT19, ZB19, ZA14, dSFD⁺19, dACNC16]. **Resource-aware** [DPK⁺19, PFPJ18, VPT⁺15, NK15, PSW⁺19, SSSJ19b]. **resource-conscious** [ZA14]. **resource-constrained** [NK15]. **resource-impelled** [PRN14]. **resource-level** [GJF⁺12]. **resource-limited** [JLCC12]. **resources** [AMMC18, ACCM19, ABP16, ABN17, BC15, BT17, BNJ16, BKKM11, CMZ⁺12, CXDM18, DVB14, EG18, EA13, HMH17, KHG13, KVR15, KRd⁺19, KTTK17, Kyr19, LN13, MDA⁺19, MBMTJR18, MDD15, RMCMD12, SGJ18, SSKK13, SDF⁺19, TCBC18, VCKB12, VPT⁺10, Wu16, YDQC19, ZCW11, dCTVC18]. **respect** [kHsZwJW18]. **responders** [RCMT18]. **Response** [CAB⁺18, GGDM⁺18, GGH⁺19, KZA11, KGLY18, TDC⁺14, WCWC19, WCWC20, ZFC17, ZFC18]. **REST** [WZ16]. **RESTful** [KH19, KH18a]. **restoration** [XWX⁺17]. **restricted** [YSZW18]. **restrictions** [LDJL19]. **result**

[CB10, ZCW11]. **results** [GSR⁺19, Man15, RHMGC14, SZR18, TKTG19]. **resuming** [ALM⁺10]. **retail** [AB18b]. **retailers** [SSHC19]. **Retelab** [CGL⁺10]. **Rethink** [XJWW15]. **retinal** [JP18]. **Retraction** [AB21, ABMMC22, Bo20, DP21a, DP21b, GHEB⁺23, HZX⁺20, JLC⁺20, LBJ⁺24, WWP20, WCWC20, YWG⁺20, YTQ20, ZMZ⁺20, wZcZN⁺20]. **retrieval** [AMBB18, AR15, ARP14, DQXW19, FLR⁺16, FMV14, GWW⁺19, HZC10, KZCW13, MFC⁺19, SBD⁺18, SSZ⁺17, XAW⁺10, XXB19, YJS18, ZZLZ18]. **retrievals** [MPP13]. **return** [TCH19, YAA⁺19]. **reusable** [AEK⁺18, LTZ15, RS17b, SK18]. **reuse** [CTR⁺17, TSTD16]. **reuse-by-composition** [TSTD16]. **Revamp** [TKA18b]. **reveals** [ZZF⁺19]. **revenue** [MG14, YDQC19]. **reverse** [MLW⁺18b]. **reversible** [HLC16]. **Review** [AZH18, KS18b, KT17, QKC19, AHD⁺19, EGV18, HHZ19, LNM⁺19, MND⁺19, MCWP16, PSI19, SCAC⁺19, WZH⁺19, WLHH18, ZZBP19]. **Reviewers** [Ano10, Ano11a, Ano12a]. **reviews** [RHH⁺19]. **revision** [LCC19]. **revisited** [RNR18]. **Revisiting** [WZY⁺19, ZLL⁺17b]. **revocable** [LDZW19]. **Reward** [CLL18b, RYH⁺19, WHS⁺18]. **Reward-based** [CLL18b, RYH⁺19]. **rewrite** [SJ19]. **rewrite-based** [SJ19]. **rewriting** [XWX⁺17]. **RF** [ASAAM⁺19]. **RF-based** [ASAAM⁺19]. **RFID** [ABC⁺18, AMKC19, ABS⁺18, BGC19b, CWSW14, GAI⁺18, LCL⁺19, LEW19, RBA17, SLK17, SJL⁺17, YH18, YZW⁺18]. **RFID-WSN** [ABC⁺18]. **RHKV** [WHZ19]. **Ridge** [CAPG18, SVN⁺10a]. **riding** [WSU⁺10]. **right** [RPH19, SLD⁺15]. **right-sizing** [SLD⁺15]. **rights** [MJGW18]. **rightsizing** [ECA⁺18]. **rigid** [WHW16]. **Rigorous** [Man15, RWY⁺18]. **RIMS** [LRZ⁺18]. **ring** [ZA13]. **RingCube** [YGYW16]. **Risk** [CBC⁺19, DMM⁺18, KADJ14, PRSR14, WZZ16, AB19a, ABGMC19, AB21, AdvAGF18, DLDTGMMP16, FTH16, GGDM⁺18, HUY⁺19, HLL⁺11, JBC16, LCGPC19, LZL⁺19a, NJ16, TY11, WCWC19, WCWC20, YPJ19]. **Risk-aware** [WZZ16, NJ16]. **risk-based** [DLDTGMMP16]. **risks** [AB19a, ABGMC19, AB21, BDA19, FG14, HKP10, SM10]. **RLRD** [LZL⁺12]. **RLWE** [ZXJ⁺14]. **RM-BDP** [PPA18]. **RNN** [CZ19, TSAER18]. **road** [Eng14, FBS18, LHJC18, LLN⁺18]. **roadmap** [LCY19a]. **roadside** [MCSA18]. **robot** [DdSdN⁺19, HMW⁺19, Zhu18, DHC⁺17]. **robotic** [AJR⁺19, ADH⁺16]. **robotics** [DHC⁺17, VRGR16]. **robots** [CFPC17, FGW⁺19]. **Robust** [PBC⁺16, PBC⁺17, PF17, SAVS19, AIA⁺18a, AIB⁺18, CM17, HZL18a, HUMA18, IOV⁺18, LPK17, LPK18, LNK⁺18, NWMG17, RS17b, WWW⁺16, WLS⁺18, HLV⁺16]. **Robustness** [WSZH18, HYG⁺19, SMS14b, SSW⁺19]. **ROC** [WCWC19, WCWC20]. **Role** [SHJS⁺10, YLG⁺16, CGJ⁺10, HLL⁺11, LXZ⁺18, SOA17, ZWJ19b, uRYS⁺19]. **role-and-risk** [HLL⁺11]. **role-permission** [LXZ⁺18]. **rollback** [LBB⁺19]. **rolling** [JYZ⁺18]. **root** [CPP16, LWR⁺19]. **root-cause** [LWR⁺19]. **ROS** [WSH⁺16]. **ROSI** [YAA⁺19]. **rough** [LO19, YAO14]. **round** [CJS19, MG11, ZaTZ⁺17]. **round-optimal** [CJS19, ZaTZ⁺17]. **round-trip** [MG11]. **routable** [DK14]. **route** [TSS⁺19, YPLZ17]. **Router** [JL14]. **routes** [LG18]. **Routing** [TKA18b, AGR19, AT19b, ASAA18, BRB19a, BRB⁺19b, BMK⁺14b, CA13, CJ14, CES⁺19, Che13a, DSBC19, DK14, ESPN17, GBKJ18, HLL18, HZW⁺18, HHW⁺19, HYG⁺19, HLL⁺19, IGB⁺14, JLQ⁺17, KID⁺16, LTC12,

MFSV19, RQN⁺19, RWZ⁺19, SCY⁺18, SMS14a, SHL⁺19b, TZD⁺19, VSKS19, WSZC18, WMA⁺19, XXX⁺19, YHL⁺19, ZF16, ZYW⁺18, ZTKX19, ZAI⁺18, LC17]. **RPC** [KB18]. **RPL** [AGR19, BRB⁺19b]. **RRNS** [CBT⁺19]. **RRSD** [SYQ⁺19]. **RSA** [YXA⁺16]. **RT** [HNCJ13, WSH⁺16]. **RT-MOVICAB-IDS** [HNCJ13]. **RT-ROS** [WSH⁺16]. **RTO** [CJG⁺18]. **RTOS** [JK17]. **Rule** [FTP14, LJ17a, XYLZ18, CCIP18, KMI11, LLC⁺16, LHW⁺18, MRH17, PMK18, SCN⁺14, WQZ19, ZCX⁺18, HCNT14]. **rule-based** [SCN⁺14]. **Rule-driven** [FTP14]. **rules** [DSCJ18, EBOY14, GHGP19, LGP⁺19, MCL⁺16, XL19, ZDW⁺18]. **run** [BC15, HIA⁺18c, TF17]. **run-time** [HIA⁺18c, TF17]. **running** [RM11, SHP⁺16]. **Runtime** [GOLL19, JOPW14, SL19, AFB⁺10, EP12, JPB17, Kyr19, LMZ⁺14, LKJ17, MZC10, MSE19, PcFP⁺17, SGL⁺19, USK16, UDvdW⁺18, YÁJG⁺15]. **runtime-aware** [SGL⁺19].

S [Che18, PBA18, XLW⁺17, ZDL⁺19]. **S-ABC** [XLW⁺17]. **S-InTime** [PBA18]. **SA** [LHM14]. **SaaS** [CLAL19, CGL15, CPP16, FHYH15, FPPD14, IS18, LWTL19b, MBA19, RHH⁺19, VK17, ZRZR19]. **SaaS-based** [FHYH15]. **safe** [OMKM⁺19]. **Safety** [WDW⁺19, BMR15, CY12, RSRA18, SPR⁺10, SCEC18, TF17]. **safety-critical** [BMR15]. **safety-focused** [CY12]. **SAGE** [KID⁺16]. **SAGE-based** [KID⁺16]. **SAGE2** [RMA⁺16]. **salesman** [DC19]. **samples** [MR19]. **sampling** [MK19a, PPLL17, YKK13]. **SAND** [DCF19]. **SAR** [FCD⁺14]. **Satellite** [RRKA19, CFVP12]. **satisfaction** [FHHM19, HMA18b, MLSF16]. **saturation** [Lea15]. **save** [SHP⁺16]. **saving** [CJ14, JKLK17, QCD16, TDSH16, ZZZ17].

savings [LN13]. **SCADA** [FTA⁺14, ZSL⁺19b]. **SCAI** [HYC⁺18]. **SCAI-SVSC** [HYC⁺18]. **Scalability** [ASV⁺13, MG18, LSB⁺18, MROD10]. **Scalable** [AGA16, BKB18a, CMX⁺16, FS18, GZLZ16, GZWQ13, LWTL19a, LLW⁺19c, MWQ⁺14, Pal13, PN13, THA⁺17, TJWS10, TSRG17, ZTKF17, ABG18, AB19b, AFB⁺10, BCC⁺17, CLL⁺14, FWB13a, FWB13b, GGN17, GS15, JSC⁺15, KMB16, KK16, LCBF13, LN18, LIH⁺19, ÖEE13, PMLVLS⁺13, RMA⁺16, SRZD15, SAGL10, SB17a, SGS⁺18, SBL18, WJZ⁺17, YARH18, ZAB15, ZXW19, ZLR⁺15, dSK⁺19, HMS15]. **Scale** [EGVT18, TKRA14, AB19c, BRL19, BAPS14, BCD⁺18, CZT⁺15, CWL⁺18, CZY⁺18, CRVZ15, CA13, CA15b, CZXL18, CCZ⁺19, CGM⁺18, CGJ⁺10, CSP13, DEL19, DC19, DKJ19, DPL14, FQBCF15, FRB⁺14, FDP17, FPGK18, FWB13a, GDZ⁺19, GLNT13, GSV⁺10, GLVC18, GDAS18, GIM16, HB19, HST⁺18, HLCL16, HZ10, Ima19, IPG⁺18, IS18, JHC10, JYZ⁺18, JTBS15, LKM14, LTN10, LSZ⁺16, LFP⁺17, LZLL18a, LSH⁺11, LM12, MPR⁺16, MMVS19, MLW⁺18b, MKRD19, NS10, PPZ12, PLA18, PB17, PGCC⁺10, PF17, PPLL17, RCW⁺19, RMCMD12, SSHC19, SJL⁺18, TDFZ18, TJWS10, TY11, THT12, WLLF16, WWH⁺17, WRCC17, WCH⁺18, WDD18, WCW18, WY19, WWG⁺19b, WBJM14, WS10, XYLZ18, XWL⁺15, YGYW16, ZG19, ZWW⁺13, ZSFZ19, ZW10, ZYTC15, ZXL14, ZA14, dSFP⁺17, dSK⁺19]. **scale-free** [CWL⁺18, LZLL18a]. **scale-out** [MKRD19, YGYW16]. **Scaling** [Eng14, HSV⁺17, PPG19, SEMJ11, AB16, CTVB12, CJHH13, DWS12, EMJ⁺13, EPB18, IPCA⁺16, KTTK17, KAEC⁺18, LMA⁺19, SSI19, WPGN⁺18, WWZC19, dACNC16]. **Scaling-out** [SEMJ11]. **Scatter** [FD12]. **Scatter/Gather** [FD12]. **scattering** [LSG18]. **scenario** [CGCB⁺12, HZLH19, KNI⁺18, MFC⁺19, SGRT19].

scenario-based [KNI⁺18]. **scenario-driven** [MFC⁺19]. **Scenarios** [BNJ16, DFGR14, FAMA⁺17, FPP⁺18, GMLGB⁺17, PZA18, RCMT18, WLB11, ZAA⁺14]. **scene** [ASY⁺18, SHL⁺19a]. **schedule** [SK12]. **scheduler** [AJY15a, ASB18, CTR⁺17, GdCP19, JLD⁺19, KCS14, KPJ19, NNRA19, RD14, EMHE18]. **schedulers** [BBI13]. **schedules** [vdLLE19]. **Scheduling** [AHP16, AL18, ACK⁺15, ABN17, BDNP13, CJHH13, Fri14, GVA⁺16, KV12, KV17, Li18, LAH10, LC13, LSMVML13, PIP18b, RBJ⁺13, RB18, RMHMG17, SVK19, SIL⁺13, SK12, WHW16, ABMESM18, AOIS10, ANA16, ANE13, AHEM17, ADAAD12, ALK15, AGKZ18, ABP16, AB17, AB18c, ABN19, AMS19, AEM10, Bag16, BZMY10, BKS⁺18, BCC⁺17, BBB16, BT17, BBI13, CLRL17, CVT19, CXZ⁺19, ÇBCA15, CA13, CA15b, CM17, CXL⁺17, CLR18, CWJ⁺18b, CBK⁺17, CSL18, CGSJ18, CCCT14, DQLW15, DdM10, DR18, DXL⁺18, DPL14, DCMW17, DSCJ18, DBS14, DNP14, EMM12, FK12, GBS10, GJ15, GOBL16, GD10, GS15, GPS13, GDS18, GKTK15, GCZ⁺19, GGS13, HCMJ19, HHW11, HLL⁺19, HBN⁺13, HZLH19, JJH19, JLI⁺13, JEB18, KR19, KS18a, KCK16, KSC⁺19, KLP19, KX11, KK10b, LLC11, LLC14a, LGY⁺16, LJGW18, LTTL19, LZZ19]. **scheduling** [LZYC13, LG16b, LCMX16, LPV⁺16, LCdPMCT19, LYH⁺19, MJM⁺16, MHC14, MLSF16, MSE19, MRN19, Nag16, NRR⁺15, NPP12, ÖEE13, PNGFJ13, PBV⁺13, PK11, PKF14, PT16, PAB⁺14, QCY⁺19, QPTGG⁺12, Qur19, RRB10, RC13, RMHCMG15, SS13, SC16, SDTA19, SDST18, SHLJ13, SWG⁺16, SZK16, SOIS12, SH19, SGJ18, SV15, SG13, SAK⁺10, SG14, SK19, SSP17, SGL⁺19, TWdLZ19, TZBK13, TDFZ18, TLL⁺11, TJZ⁺15, TKR⁺15, TPBS14, TdPF⁺17, TV16, TCCC11, VVB11, VVB13a, VPT⁺15, VVB13b, VMN⁺18, WWX⁺17, WHZL10, WKC⁺13, WWC14, WQG15, WCC⁺16, WMQ⁺16, WCH⁺18, WSC⁺19, WWZ⁺19, WS10, WXZL11, WCC14, Wu16, WWT⁺16, WPJ16, WHCW19, XA10, XZW⁺19, XY15, XDH⁺17, YPLZ17, YYW⁺19, YKK13, YIA17, YZ12, YSL19, ZCL⁺14, ZYB⁺18, ZGL⁺18, ZXL⁺18, ZZZC19, ZQB⁺18, ZZS⁺19, ZZZ17, Zhu18, ZT19]. **schema** [GTM19, ZCQ⁺16, ZS10]. **Scheme** [AMSPL19, JLX⁺19, LNLA19, AMN18, AAQ⁺19, APK⁺18, AM19a, AK18b, BDL⁺19, BBH18, BDM⁺19, BMK⁺14b, CRRC18, CJS19, CBPP18, DLLZ17, DA18, DC18a, FSY⁺19, FXG⁺19, FLT⁺19, FLL⁺19, FHZW18, GAI⁺18, HKA⁺18, HAAWH⁺18, HJA⁺19, HZL⁺19, HHW⁺19, HMW14, HLC16, HNQ⁺18, HZW⁺16, JNHL18, JKAU19, JLQ⁺17, KKB18, KHMB13, Kol18, KLMB19, KLW⁺16, KLW⁺17, LTJK12, LK12, LLW⁺18a, LNK⁺18, LWK⁺18, LLW⁺19b, LH13b, LNY⁺18, LDZW19, LL16, LZY⁺16, MCN⁺18, MGN⁺16, ODK⁺17, OSANAM19, PGCC⁺10, QGT⁺18, ROK19, SGGCR⁺16, SLS10, SGB⁺18, SGBK19, SCZ⁺14, SLH⁺19, TX14, TLL⁺19, Tor13, VGD⁺19, WWDF18, Wan18a, WHS⁺18, WDKV19, WZCH17, WZS⁺18, WLS⁺18, WLH⁺19, XLL⁺14, XTZ⁺19, XXX⁺19, YWJ⁺19, YPLZ17, YCT15, YD18, YXD18, ZXJ⁺14, ZCL⁺18, ZZSZ18, ZZH⁺18, ZZXL18, ZLT⁺19, ZZY⁺19, ZFC17, ZFC18, ZFH⁺18, ZCDV19, ZLY⁺19, ZaTZ⁺17]. **Schemes** [YDNV16, BMZ10, CDDR17, CJXX19, CHS11, DGA18, HSP⁺13, NZL⁺15, OPO13, RA12, SAR18b, VCD⁺18]. **Schlouder** [MGG⁺17]. **Scholarly** [BH13, LZH⁺18]. **Schwarz** [SMC18]. **Science** [AC10, BDP11b, CBN16, FEB⁺19, GLD⁺19a, LSAM13, AHP⁺18, ACCM19, ALFR16, ACC⁺19b, BOWD⁺19, CAC⁺10, CRSdS10, CDB⁺19, CGJ⁺10, DRZ⁺19, DVJ⁺15, DX14, GRZ⁺19, GDP⁺18, GRCP⁺17, KZS⁺19, KS19, MM18, MCWP16, NJKF18, NLM⁺16, SAGL10,

SPdSR⁺¹⁷, SVB⁺¹⁹, SG14, TBK⁺¹⁰, TBdL16, WCKW10, XLL18b, Zhu14, AC10, BH13, GSGPP⁺¹⁹, GDZ⁺¹⁹, KA13]. **sciences** [CBBC⁺¹⁷, GCBM17, GRL11, GPS⁺¹⁷]. **Scientific** [AL18, AGMT17, CBBC⁺¹⁷, LPV⁺¹⁶, PN13, PS13, SG17, Ans11, ABN17, BP10, CTR⁺¹⁷, CZ14, CPA14, CdSDS15, dCCDFdO15, DQC⁺¹⁹, EHT10, FTP14, GAB⁺¹⁴, GSR⁺¹⁹, HMM18, HZP⁺¹⁴, HSB⁺¹⁸, HLCL16, JCD⁺¹³, KKBK19, KPM⁺¹⁸, KC19b, LKN⁺¹³, LGY⁺¹⁶, LLCF11, LPS19, LZYC13, MJDN15, MdOO⁺¹⁷, MDO⁺¹⁵, MED16, MFL18, NF13, PS19, PPLL17, PAC⁺¹⁷, RKB18, RB18, SV16, SJV12, SCBK⁺¹⁶, TKK⁺¹⁴, TdPF⁺¹⁷, VCKB12, WWT⁺¹⁶, YMW13, YYLC10, ZSX⁺¹⁵, ZLR⁺¹⁵, dSCD⁺¹⁹, dSFD⁺¹⁹]. **scientists** [BBD⁺¹³, PFS⁺¹³]. **SciSpace** [KKBK19]. **SCoPE** [PP10]. **scores** [Bo19, Bo20]. **scoring** [FJA⁺¹⁸, RS16, KKA18]. **scrambling** [KZA11]. **Scratch** [FFGP⁺¹⁹]. **screening** [WZH⁺¹⁹]. **script** [MBB10]. **script-based** [MBB10]. **scripted** [dIFVPSHL⁺¹⁴]. **SDBPR** [ZSGJ19]. **SDLC** [AAJ17]. **SDM** [WLA17b]. **SDMS** [LLW^{+12b}]. **SDMS-O** [LLW^{+12b}]. **SDN** [SME⁺²¹, ZFC18, ASA19, BLO⁺¹⁸, CWLZ19, KdGP⁺¹⁹, KBB⁺¹⁶, SME⁺¹⁹, SPT⁺¹⁸, VSKS19, XDH⁺¹⁷, ZWDP18, ZFC17, dSBN19, vdPGZ⁺¹⁶]. **SDN-aware** [KBB⁺¹⁶]. **SDN-Based** [SME⁺²¹, SME⁺¹⁹, dSBN19]. **Seal** [CWUS19]. **Seamless** [SLS10, CPDJ13, LLF^{+18b}]. **Search** [ANA16, CT19b, FPL⁺¹⁹, MCT⁺¹⁵, TL19, XRPT18, ABMESM18, AMÇ19, CZZ⁺¹⁸, CCZ⁺¹⁹, CWJ^{+18a}, CZL^{+18b}, DLH⁺¹⁷, ESW⁺¹⁷, EA17, FH13, FLR⁺¹⁶, HZL⁺¹⁹, KMT14, LWZ^{+19a}, NS17a, NJB19, PPZ12, PMBS14, RCMT18, RHMGC14, STA17a, SCBK⁺¹⁶, TM19, TWW⁺¹⁸, WXLY16, WCL^{+17a}, WH19, WW13, XLZ⁺¹⁴, XTZ⁺¹⁹, YD18, YXD18, YQZ⁺¹⁹, ZL13, ZWZ19, vW19]. **Search-based** [MCT⁺¹⁵, XRPT18, RCMT18]. **search-optimizing** [vW19]. **searchable** [CLC⁺¹⁹, CXWT19, DLZ16, DLLZ17, HQZH14, LLL⁺¹⁸, WXLY16]. **searches** [HQH16]. **searching** [LFH⁺¹⁵, RTS⁺¹⁶, WHMO13]. **Sec** [SSRQ19]. **Sec-SLA** [SSRQ19]. **SecLAP** [AMKC19]. **secret** [AIM⁺¹⁹, AGBR19, LEW19, SAR18b, ZZ15]. **Section** [CMA11, ChK11, CC11, HKPT10, JS12, LS10, NFK10, SGM11, WSB⁺¹⁵, XZ11, AC10, AR10, AM10, BB12, BR10, BRHH18, CRSdS10, CGD10, FA11a, FM10a, GVTdL18, HJC10, JO11, Lee12, OM10, RW13, Śle14, TBK⁺¹⁰, TBdL16, XLZ18, ZSH12, Zhu10]. **sector** [HHW⁺¹⁹, GG10]. **sector-based** [HHW⁺¹⁹]. **SecTrust** [AGR19]. **SecTrust-RPL** [AGR19]. **Secure** [AD19, AMKC19, AEK⁺¹⁸, BK16, CDDR17, Ciu10a, HQH16, HYS17, HYS18, LLQS14, LNLA19, LHL15, LZLL18b, LLZ^{+18b}, LHBC16, MLW^{+18a}, MCAS19, Mer13, MAA⁺¹⁹, RHH⁺¹⁶, RTS⁺¹⁶, SAR18b, SYW17, SPKG18, WXLY16, WDZ19, XSMS15, YQZ⁺¹⁹, ZMH⁺¹⁸, ABMM18, AGR19, APK⁺¹⁸, BCN⁺¹⁹, CPD⁺¹⁵, CFG⁺¹⁹, CZZ⁺¹⁸, CDL18, DJZ⁺¹⁵, DEL19, ECE⁺¹⁹, FLT⁺¹⁹, FLL⁺¹⁹, FS18, GCTLA⁺¹⁹, GAI⁺¹⁸, GZL⁺¹⁸, GZQ⁺¹⁹, HAAWH⁺¹⁸, HZL⁺¹⁹, HPP⁺¹⁸, HMA^{+18a}, HLL⁺¹¹, JSC⁺¹⁵, JCL⁺¹⁵, KZA11, KKKM13, KPA17, KFK19, KLW⁺¹⁷, LTJK12, LJS17, LJLW13, LCHW14, LWK⁺¹⁸, LAL⁺¹⁵, LZYC13, LL16, LWF⁺¹⁷, LZY⁺¹⁶, MLC^{+18a}, MK17, MHY⁺¹⁸, NRV⁺¹⁷, NLS19, ODK⁺¹⁷, OSANAM19, PGCML⁺¹⁹, POJ⁺¹⁶, QGT⁺¹⁸, RPH19, Rao17, RSK16, RPA⁺¹⁸, RACA18, RHPV17, SRZD15, SGGCR⁺¹⁶, SB17b, SBL18, SAVS19, TX14, TMB⁺¹⁹, TCN⁺¹⁴, TAS⁺¹⁸, VCDK18, VGD⁺¹⁹,

WWW⁺¹⁶, WMX⁺¹⁷, WWDF18, WLGL19, Wan19, WDKV19, WZCH17]. **secure** [XZP⁺¹⁹, XYML19, YY11, YNY⁺¹⁴, ZZ15, ZWX⁺¹⁹, ZCDV19, ZSW^{+18b}]. **Secured** [LC17, MVL^{+18a}]. **securely** [ZZC18]. **SecureSense** [RHPV17]. **Securing** [CMNK19, KP12, MKS⁺¹⁹, PWA⁺¹⁹, CDMR19, SKS⁺¹⁸]. **Security** [AWYJ16, ACL⁺¹⁸, AM10, BHE⁺¹⁹, CCRV13, CHS11, DZZ⁺¹⁵, FJKK17, HAJ⁺¹⁹, HLT⁺¹⁹, HHZ19, KKW⁺¹⁴, LKCS18, LCL⁺¹⁹, LYC18, LSHW17, SME⁺²¹, WZWW18, XDWL15, YYS⁺¹⁹, YAA⁺¹⁹, ZZF18, AMN18, ABTF16, AAJ17, AMMC18, AM19a, AGBR19, BFS^{+17a}, BFS^{+17b}, BBvdB⁺¹¹, BWR12, CKR16, CBT⁺¹⁹, CBPP18, CSC18, CDFW18, CMVA18, CPP16, DC18b, DZH18, DT16, ELAEAVAM19, EZTL19, FTH16, GMLGB⁺¹⁷, GHD19, GKTK15, GJKP18, GSN⁺¹⁸, HCJ14, HCNT14, HPP⁺¹⁸, HIA^{+18b}, KR19, KS18b, KSK⁺¹⁹, KBdLG18, KKKM17, KKKM18, KCCL18, LLW^{+12a}, LNB14, LGY⁺¹⁶, LGL⁺¹⁷, LLWZ18, MZL⁺¹⁹, MGN⁺¹⁶, MSM^{+18b}, MWL^{+18b}, NV11, NWMG17, OA17, PSS13, PGCML⁺¹⁹, PSW⁺¹⁹, RR18, RLM18, RM16, SMF⁺¹⁹, SME⁺¹⁹, SAGGB17, SYJ^{+19a}, SWY⁺¹⁸, SSL⁺¹⁹, SSZ13, SGS⁺¹⁸, SDK19, SSB13, TZL⁺¹⁸, TBR⁺¹⁹, TVV13, TMS⁺¹⁷, VPP⁺¹⁹, WXYL15, WSL⁺¹⁹, WZ18, WS10, YH18, YN18, YS16, YNY⁺¹⁴, YZN⁺¹⁵]. **security** [YKÖ17, ZCYZ18, ZG18, Zin18, ZL12]. **security-aware** [GHD19, HCJ14, WS10]. **security-by-design** [VPP⁺¹⁹]. **security-enhanced** [AMN18, KKKM17, KKKM18]. **Security-Oriented** [YAA⁺¹⁹, WZWW18]. **segmentation** [DH16, LSZ⁺¹⁶, SBCF16, TCCW19, WZF⁺¹⁹]. **segmented** [WBR19]. **SEIM** [TL19]. **Selected** [TCG14, CC11, CCRL18]. **Selecting** [CLC11, GBKJ18, WMC19]. **selecting-and-pairing** [WMC19]. **Selection** [DLH⁺¹⁷, ABMMC18, ABMMC22, AKP⁺¹⁸, AFSH⁺¹⁸, AFSH⁺¹⁹, AT18b, ArMS19, AWN⁺¹³, CZY⁺¹⁹, CMI⁺¹⁹, DPK⁺¹⁹, FTK⁺¹⁴, FCY18, FJJ⁺¹⁸, FA11b, GHY⁺¹⁸, GB10, GAA19, KWB19, KGT15, KIC12, KP18, LLWW18, LD17, LDJL19, LWS⁺¹², LWX13, MCJ19, MHZK18, MYK16, MVCC10, PNZ14, RCM17, ROK19, RGC⁺¹⁰, SRKS18, SMZ⁺¹⁶, SLD⁺¹⁸, SDH⁺¹⁹, TDLC17, TZD⁺¹⁹, TMP15, TAKV12, WCHL10, WHS⁺¹⁷, WLA18a, WLQ10, XYLZ18, XLW⁺¹⁷, XWL⁺¹⁸, YPJ19]. **Selective** [LNY⁺¹⁸, LM12, LHCC18, LHY⁺¹⁹]. **Self** [AFB⁺¹⁰, CRM⁺¹⁶, DMZ12, GZL⁺¹⁸, KK16, Lea13, LG16a, LHM14, MG10, NAD⁺¹⁸, PYH17, SEPV19, TBB⁺¹⁷, WXZ^{+18b}, dSGD13, AEME⁺¹⁸, BMH10, CLNR18, CCT13, CFMC19, DDD18, EKSDN19, EKGS14, GDR⁺¹⁴, GNGG17, KKB14, LH13b, LWH⁺¹⁸, LW18b, LHPC⁺¹⁹, MPR⁺¹⁶, NJHT11, RP18, dRRRR⁺¹⁸, dRRdQGR⁺¹⁸, RWZ⁺¹⁹, SYT⁺¹⁹, SJL⁺¹⁸, TJZ⁺¹⁵, TCCC11, VRGR16, Vin16, YP12]. **self-*** [Vin16]. **self-adaptation** [CLNR18]. **self-adapting** [EKSDN19]. **Self-adaptive** [LHM14, SEPV19, WXZ^{+18b}, AEME⁺¹⁸, CFMC19, DDD18, EKGS14, KKB14, LW18b, RWZ⁺¹⁹, TJZ⁺¹⁵]. **Self-adjusting** [Lea13]. **self-certified** [LH13b]. **self-deployment** [LWH⁺¹⁸]. **Self-evolving** [NAD⁺¹⁸]. **Self-healing** [AFB⁺¹⁰, GZL⁺¹⁸, dSGD13]. **Self-managed** [CRM⁺¹⁶, LHPC⁺¹⁹, NJHT11]. **Self-managing** [TBB⁺¹⁷]. **self-organized** [RP18]. **self-organizing** [MPR⁺¹⁶, dRRRR⁺¹⁸, dRRdQGR⁺¹⁸, SJL⁺¹⁸, VRGR16]. **self-paced** [SYT⁺¹⁹]. **Self-provisioned** [MG10]. **self-reconfigurable** [YP12]. **Self-regulating** [PYH17]. **self-repair**

[GDR⁺14]. **Self-scalable** [KK16]. **Self-similarity** [DMZ12]. **self-sizing** [GDR⁺14]. **self-stabilization** [CCT13]. **self-structured** [BMH10]. **self-tuning** [TCCC11]. **Self-Understanding** [LG16a]. **selfish** [JLQ⁺17, JXC⁺19, PBV⁺13]. **selling** [SSHC19]. **SemantEco** [PSW⁺14].

Semantic
 [ARP14, BPC⁺14, DNW⁺19, HC17, HQ10, KARP14, MRS⁺18a, PBC⁺11, RVST17, Sun10, WZL18, AD18, ABTF16, AHYF19, ACMM19, AGA16, AGA18, ACC⁺16, BDH14, CPSRG14, DLZ⁺14, DT16, DPS16, DMMM11, FLR⁺16, GACM17, HSB⁺18, LA19, LXL⁺17, LvW14, MPCAF15, NAM⁺19, ODC19, PTT12, QGT⁺18, SBCF16, SHBP10, SCN⁺14, SSZ⁺17, TOD17, UZ11, VPT⁺10, WLLF16, XCGD10, XLZ⁺14, XWL⁺15, YCZJ18, ZS10, BDF⁺16, CAS⁺16, LKA⁺19, WFQ⁺10, Zhu10].

Semantic-aware [BPC⁺14]. **Semantic-based** [ARP14, KARP14, PBC⁺11, ACMM19, LA19]. **semantically** [AAF18, Li10, PSW⁺14, RGVGGSSZ14]. **semantically-enhanced** [RGVGGSSZ14].

Semantics
 [SPdSR⁺17, XB14, ZS16, DFLO17, LLG⁺16, RTHB17, SOA17, TCCW19]. **semantics-based** [TCCW19]. **Semi** [ADBO18, AAF18, ArMS19, DBS14, HLL12, WHCZ18, YWY⁺17]. **semi-automated** [AAF18]. **semi-autonomous** [DBS14]. **Semi-online** [ADBO18]. **semi-random** [ArMS19]. **semi-supervised** [HLL12, YWY⁺17]. **semi-tensor** [WHCZ18]. **semistructured** [GZS14]. **SemPI** [DPS16]. **senile** [WWP19, WWP20]. **sensed** [Mat18, XAW⁺10]. **Sensing** [AT18b, SST18, AMPZ16, CCD⁺19, CCC19, DP19, DP20, DP21a, DP21b, DCC⁺14, FCD⁺14, GHEB⁺18, GHEB⁺23, GZW18, LWH⁺18, LLGY18, LZY⁺16, MWW⁺15, MAD⁺16, MAPA19, RYH⁺19, SOM⁺19, VNAMM19, WWCN13, WMY⁺18, XLZ18, YMW⁺18, ZDL⁺19, KS11]. **sensitive** [CW13a, DK17, JOSD19, LCL14, QZD⁺18, QCX18, VSKS19, WYL⁺18, ZSQ⁺19]. **sensitivities** [MHZK18]. **sensitivity** [LCH⁺18, SWW⁺13]. **Sensor** [AS18b, AZO⁺19, FPPD14, RRS10, RM19, SYJ⁺19b, SMS16, TKA18b, YWJ⁺18, ARSMY19, ASO14, APK⁺18, ACHP19, 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, LZY⁺19a, LC17, LLQS14, LCZR12, LZXG12, LWX13, Lok12, LHBC16, LFY⁺19, LZY⁺16, PC17, PPS⁺18, RAA⁺19, RWZ⁺19, SJ14, SCY⁺18, SMS14b, SYCH18, THA⁺17, TSD18, TYWZ18, TCCW19, WCB⁺18, WWG19a, WLS⁺18, XKJ⁺18, YHL⁺19, ZWS⁺12, ZBL⁺14, ZZLH18, dPFG19, RVST17]. **Sensor-based** [RM19]. **sensor-cloudlets** [Lok12]. **sensorized** [TCB⁺17]. **sensors** [BDE17, BSE⁺13, CFMC19, GRX19, HUMA18, KMU19, LRBW17, Mat18, OMPSPL⁺19, SPD⁺19]. **sensory** [KLMB19]. **sentence** [MZP⁺19].

Sentiment
 [AAYL19, MWQ⁺19, ZWWL18, CC19, DMPS19, GGMS18, MZP⁺19, ZZLZ18]. **sentiment-based** [GGMS18]. **separation** [LZL19b]. **September** [Ano19]. **seq2seq** [WLZ⁺19]. **Sequence** [LJ17a, KKvdB⁺17, NGB18, VR12, WSL⁺19]. **sequence-based** [NGB18]. **sequences** [LJW⁺19a, ML19].

sequential
 [CGL15, DPL14, FZT⁺18, KMC18, LBU⁺10, MWYC12, TNY17, WHCZ18, YGY⁺19]. **SERAC3** [LLZ⁺18a]. **series** [Che14, HHS⁺18, MZH⁺17, MFT⁺17, NA19]. **serious** [AW19]. **ServBGP** [IGB⁺14]. **Server** [FNCR11, LYL15, BK19, CWSW14, EDD⁺10, FHZW18, KLW⁺17, Len16, LXD17, LLWW18, LH13b, LWW⁺18, MP17, MD12, OWX19, RT15, XDHL12, ZZBZ19, ZFC17, ZFC18, BSR18]. **Server-aided**

[LYL15]. **Serverless**
 [PMCC18, GAMC19, KSS19]. **servers**
 [BR18, CLH10, DZZ⁺¹⁵, JJH19, JOPW14,
 JZWL17, KAEC⁺¹⁸, ZWW⁺¹³, vKLA⁺¹⁹].
Service [ANE13, AJY15b, ACC^{+19c},
 BZS18, Cha14a, CBS17, FMN⁺¹⁷, HSBE19,
 HB19, JY15, JGB19, KK19, KT17, LJ17b,
 LNLA19, LZJL19, LYW⁺¹⁶, MJRM16,
 PRS12, SCL18, SST18, SMG18, SS17,
 SZK18, SZW⁺¹⁹, TSBH11, VDTK12, YG18,
 ZWJ^{+19a}, AdI14, AAB⁺¹⁰, AAAQJ⁺¹⁸,
 AFSH⁺¹⁸, AFSH⁺¹⁹, AWN⁺¹³, AK14,
 AB18b, Ano12r, AM19b, BBC⁺¹⁷, BAA⁺¹⁹,
 BS17, BML18, BBT19, BCDP12, CMZ⁺¹²,
 CPDJ13, CCT13, CMB17, CCIP18, CPE⁺¹⁷,
 CMG⁺¹⁹, Cha14b, CSL17, CSL19, CRWZ19,
 DVD12, DM12, EK11, EAED18, EG18,
 FLR⁺¹⁶, FD12, FTP14, FWB13a, FWB13b,
 FA11b, GMMM18, GHY⁺¹⁸, GVURIVBV14,
 GJGB19, GA13, GAJP18, GHJ⁺¹⁹,
 GGA⁺¹⁷, GLJ19, GPVN19, HIA18a, HA16,
 HA18, HC17, HLT⁺¹⁸, HCX⁺¹⁹, HLT⁺¹⁹,
 IGB⁺¹⁴, JGFB18, JTL⁺¹⁹, JSS⁺¹²,
 KZA⁺¹⁸, KSF⁺¹³, KTKN11, KK10a,
 KKB14, KPA17, KuRAk⁺¹⁸, KSW⁺¹³,
 KK16, KIC12, KK14]. **service**
 [KCCL18, LPMY18, Li15, LLW^{+18a}, LD17,
 LDJL19, LWS⁺¹², LLW^{+12b}, LX13,
 LDS⁺¹⁸, LSL⁺¹⁸, LXL⁺¹⁹, LSMVML13,
 LLW^{+18b}, MLL15, MCL⁺¹⁶, MZH⁺¹⁷,
 MCJ19, ML11, MLM16, MHZK18, MAD⁺¹⁶,
 MEW⁺¹⁹, MRS^{+18a}, NK15, ÖE13, Pal13,
 PC18a, PRS⁺¹³, PRSR14, PBA18,
 PTM⁺¹⁸, PTT12, QZD⁺¹⁸, RZ16,
 dRRRR⁺¹⁸, RMVG⁺¹⁰, RB18, RHMGC14,
 SBLW14, SSJ19, SLSS19, SPSP17, SKS17,
 SRKS18, SDC11, SMBMT⁺¹⁸, SMZ⁺¹⁶,
 SLL⁺¹⁸, SLY⁺¹⁹, SDH⁺¹⁹, SAC11,
 TDLC17, TJWS10, TZL⁺¹⁸, TGM^{+19b},
 TAKV12, UGBM⁺¹⁷, UDST19, VCE⁺¹⁹,
 VDK12, VOS12, WLZ⁺¹⁶, WHS⁺¹⁷,
 WWH⁺¹⁹, WPY19, WZ13, XSMS15,
 XWW19, XCGD10, XLW⁺¹⁷, XRPT18,
 XCZ⁺¹⁹, XWjZyF19, YCL⁺¹⁹, YW12,
 YH19, YVCB10, YKK13, YCZJ18, YLA18,
 ZSL^{+19a}, ZGS⁺¹³, ZZLH18, Zin18,
 vdPGZ⁺¹⁶, CLM⁺¹⁶, EMJ⁺¹³, GVdBdL15,
 IDKD19, LPD⁺¹³, RA12, SCH⁺¹⁷].
Service-aware [SMG18]. **service-based**
 [BBT19, GAJP18]. **Service-Oriented**
 [BZS18, SCL18, AB18b, BAA⁺¹⁹, CPDJ13,
 EAED18, EG18, GVURIVBV14, HLT⁺¹⁸,
 LX13, MRS^{+18a}, NK15, ÖE13, SSJ19,
 SAC11, TAKV12]. **Services**
 [ABP18, AM17, CFP⁺¹⁹, DA18, HM19,
 HXA⁺¹⁷, LKA⁺¹⁹, PZY16, YAP16,
 ABMC18, APBdI17, ATF11, AHP16,
 ARB12, AMM^{+19b}, AEM10, BKS⁺¹⁴,
 BAV16, BCN⁺¹⁹, BZ19, Bel16, CSV⁺¹²,
 CPD⁺¹⁵, CMNK19, Che13a, CAC⁺¹⁵,
 CYW⁺¹⁹, CDB⁺¹⁹, CGL15, DQC⁺¹⁹,
 DDMPG17, DX14, EAS⁺¹⁸, EYY19,
 EBCP18, FHYH15, FTD17, FFPS10,
 GVB13, GVdBdL15, GAYTC18, GAI⁺¹⁸,
 HZC10, IFD⁺¹⁹, KIJ⁺¹⁹, KADJ14, KH18a,
 KK16, Kyr19, LLMP13, LJS17, LKJ⁺¹⁹,
 LPY⁺¹⁸, LMA⁺¹⁹, MCT⁺¹⁵, MVG⁺¹⁴,
 MM18, MML018, NV11, NZL⁺¹⁵, ODK⁺¹⁷,
 OB17, PVN⁺¹², PLW⁺¹⁹, PZY17, PKI⁺¹⁸,
 PFS⁺¹³, QCD16, RZ16, RBN13, RHH⁺¹⁹,
 RW18, RGVGGSSZ14, SRZD15, SPMC10,
 SMP12, SBK⁺¹⁶, SB19c, SSK⁺¹⁹,
 STB⁺¹⁹, SCN⁺¹⁴, SCG⁺¹⁸, TGM11,
 VAR14, VMSRM12, VSP⁺¹⁴, VPT⁺¹⁰,
 WRCC17, WDKV19, WG13, WYH⁺¹⁷,
 WHYZ18, XB14, YMLT13, YAO14, YKÖ17,
 ZCW11, ZCLW18, ZLT⁺¹⁹, ZWQ⁺¹⁹].
services [ZaTZ⁺¹⁷, dSGD19, dACNC16,
 ABS11, RVST17, CJS19]. **servicing**
 [CZM⁺¹⁸]. **Session**
 [LZYC13, KMC18, dSBN19]. **Set**
 [WH19, CSdCM⁺¹⁷, HXWW18, LO19,
 NK18, OB19, YLG⁺¹⁶]. **Set-Union**
 [WH19, HXWW18, OB19]. **Sets** [BRH18,
 ABMMC18, ABM19, ABMMC22, CPE⁺¹⁷,
 ECPF17b, EA17, WTG⁺¹⁴, YAO14].
settings [FFL⁺¹⁹]. **setup** [MD12]. **severity**
 [ATX13]. **SFaaS** [KCCL18]. **SFC**

[CWL⁺19, LN18]. **SFC-based** [CWL⁺19, LN18]. **SGX** [CDMR19]. **SHA** [LC17]. **SHA-3** [LC17]. **Shack** [MAPA19]. **shades** [CPMG19]. **shape** [XJZ⁺19]. **share** [DSS19]. **shared** [BOP⁺14, BBC⁺12, Ciu10b, DPS16, GMP⁺16, KMB16, LTN10, LBU⁺10, RCOP⁺11, Wu16, YIA17, YDT19]. **shared-nothing** [KMB16]. **shares** [AIM⁺19]. **Sharing** [QWCW19, AM19b, BJM⁺17, BDCC19, CD16, CCS⁺10, CLC⁺19, ELAEAVAM19, Erd13, FSM⁺18b, GGC17, GCTLA⁺19, GG10, GLB⁺18, HLYW17, HMA⁺18a, HYF18, KS11, KLMB19, Lea13, LJLW13, LLZ⁺19, LAL⁺15, LHL15, LWYS18, LLL⁺18, LEW19, LL16, LWZ⁺19b, MM18, MMLO18, PIP18a, Rao17, RBC⁺15, SHBP10, SAGL10, SSL⁺19, SAR18b, SSB13, TTK⁺14, TCN⁺14, TCH19, VGD⁺19, Wan19, WZ19, WZ18, XCS⁺18, YLN15, YZW14, YZZC19, ZGL19, ZZ15]. **sheet** [FZT⁺18]. **shelf** [SMM⁺14]. **Sheltering** [DR15]. **ship** [BRL19]. **Ships** [SME⁺21, SME⁺19]. **SHM** [SCL18]. **shockable** [AFO⁺18]. **shocks** [MID16]. **shop** [ABMESM18, BZMY10]. **Short** [KLJS19, JLS19, LCY⁺19b, ZHW19, ZNC⁺18]. **Short-term** [KLJS19, JLS19, LCY⁺19b]. **Shortest** [TTC⁺14]. **Shortest-linkage-based** [TTC⁺14]. **Showstopper** [PBC⁺17, PBC⁺16]. **shrinkage** [LSCL19]. **shuffle** [WWQ⁺18]. **shuffled** [LCW⁺18]. **shutdown** [WWZC19]. **Sickness** [SHH⁺19, GGH⁺19]. **Side** [YN18, SM10, SH19]. **Side-channel** [YN18]. **Sidera** [EDD⁺10]. **sieves** [SBCF16]. **sign** [HLZ⁺19, HYC⁺18, LLWZ18, XJZ⁺19, YLH⁺19]. **sign-on** [LLWZ18]. **signal** [AKM18, BLL⁺19, CLZ18, CMI⁺19, GCCL18, Ima19, Kim18, LJW⁺19a, PSI19, WZY⁺19, WPS⁺18, XKBA18, YSZW18]. **signaling** [HSBE19]. **signals** [AHD⁺19, AIA⁺18a, AIA⁺18b, LQF19, NUPA19, RJN⁺19, WZY⁺19]. **Signature** [XZZ⁺18, CJS19, LTMW19, QCX18, SCZ⁺14, TX14, YN18, ZLL⁺19, ZaTZ⁺17]. **signature-based** [LTMW19]. **signatures** [AMM16, Che13b, MHdS19, Tso19, WWW⁺16]. **Signcryption** [Rao17, LK12, LHL15]. **signed** [YLH⁺19]. **significant** [PSI19]. **silicon** [YLJ⁺17]. **SIMD** [ZHHQ18]. **similarities** [CRYG18]. **Similarity** [TIHT14, WDW⁺19, CCZ⁺19, CSL19, DMZ12, GVI13, GA13, KMC18, LXL⁺17, LLF⁺18a, LLWW18, RAKJ18, SCBK⁺16, XXX⁺19, ZFH⁺18]. **similarity-aware** [ZFH⁺18]. **Similarity-based** [TIHT14]. **simple** [WMC19, dSFD⁺19]. **Simplified** [KVHT10]. **Simplifying** [DDD18]. **simulated** [AJY12, Cha11, JXZ⁺19]. **Simulating** [BL15, FPGK18, MSS⁺16]. **Simulation** [AB16, CFPC17, Wri19, BDP11a, BGC⁺19a, BKB18a, BGMLS17, CPGdS⁺13, CPGBC16, CFP⁺19, ÇBCA15, CWW⁺13, DCC⁺14, Eng14, FDPR17, HCB16, HX19, HKG⁺16, IPG⁺18, JH16, KNI⁺18, KMB⁺17, KVK⁺18, KKP19, KGVW14, LCdPMCT19, MGT18, MND⁺19, RLRC13, TKA⁺18a, Tur18, VL19, WHBC19, ZYTC15, ZMN19]. **simulation-based** [JH16]. **Simulations** [FBS18, NS10, BSE⁺13, BMP⁺16, FQBCF15, GDP⁺18, SSLF⁺10, TKA⁺18a, dSK⁺19]. **Simulator** [HKT⁺19, LLAH13]. **Simultaneous** [BTG19, Bag11, MFSV19, TZBK13]. **simultaneously** [CLH10, MZP⁺19]. **Sina** [MNC⁺18, WRCC17, WNR19]. **Single** [KN10, LY18a, SSG19, CJXX19, GD10, JBP⁺18, LLWZ18, SCLC19, SYCH18]. **Single-** [SSG19]. **single-class** [GD10]. **single-generation** [CJXX19]. **Single-pass** [LY18a]. **single-sensor** [SYCH18]. **single-stage** [SCLC19]. **sink** [CCC19, QZM⁺18, WCL⁺17b]. **Sinkhole** [JL14]. **sinks** [FG18, PC17]. **sinks-based** [FG18]. **site** [SA14, TCN⁺16]. **siteDriverID** [SGGCR⁺16]. **sites**

[CYJ19, GCV⁺¹⁴, KSK⁺¹¹]. **sitting** [TMB⁺¹⁹]. **Situated** [ZBF14]. **situation** [YYS⁺¹⁹]. **situational** [AL14, RR18, ZRZR19]. **situations** [BDM⁺¹⁹, BKB18b, RGSL18]. **size** [JLL17, YKK13]. **sized** [BAKB19, SCCS11]. **sizing** [GDR⁺¹⁴, SLD⁺¹⁵]. **skeletal** [LZT⁺¹⁹]. **skeletons** [KMZJ16]. **Sketching** [CEP19a]. **skews** [LZW⁺¹⁸]. **skills** [CFM19, SR19]. **sky** [DRZ⁺¹⁹, DGD⁺¹⁶]. **SkyDrive** [QC13]. **skyline** [LLM⁺¹⁶]. **SLA** [AB16, BAA⁺¹⁹, BS11, CMZ⁺¹², ENC⁺¹², GEG14, JTBS15, KKB14, MG14, MG16, MEBA12, NJH⁺¹⁸, NHH⁺¹⁹, PVGD⁺¹⁹, SBK⁺¹⁶, SSL12, SSRQ19, TMS⁺¹⁷, ZAC⁺¹⁸]. **SLA-aware** [BAA⁺¹⁹]. **SLA-based** [AB16, CMZ⁺¹², KKB14]. **SLA-driven** [GEG14]. **Slack** [HLL⁺¹⁷]. **SLAs** [GJF⁺¹², HHS⁺¹⁸]. **slave** [HYG⁺¹⁹]. **Sleep** [DDD⁺¹⁹, AKM18, BJM⁺¹⁷, CFMC19, HJA⁺¹⁹, KLP19, KCH⁺¹³]. **slicing** [DBP19]. **Sliding** [YL16, AQB15]. **slotted** [ZWJ^{+19a}]. **SM** [ATA19]. **small** [JLC⁺²⁰, PM14, SSHC19, TDC⁺¹⁴, YWG⁺¹⁹, YWG⁺²⁰]. **small-world** [PM14]. **Smart** [APRC16, AFSH⁺¹⁹, AT18b, ACD⁺¹⁹, BA17, BBCN18, CMNK19, CAB⁺¹⁸, CDH⁺¹⁹, DP17, DP19, DP20, DP21a, DP21b, DLL⁺¹⁹, HYC⁺¹⁸, HSS17, KPA17, LLZ^{+18a}, LNLA19, MPI⁺¹⁸, PMDS18, PC18b, RMSPP17, RPA⁺¹⁸, SAGGB17, SDDG17, Sta17b, SJSA19, TF17, VPA⁺¹⁸, WLA17b, WLA18b, WSY⁺¹⁹, XJZ⁺¹⁹, ZYW⁺¹⁸, AMN18, ABMM18, ABC⁺¹⁸, AJR⁺¹⁹, AR18, AK19, AFSH⁺¹⁸, AT19a, ATA19, AAQ⁺¹⁹, AHYF19, AC18, BAJ⁺¹⁹, BBC⁺¹⁷, Bae14, BLO⁺¹⁸, BCN⁺¹⁹, BWG19, BW19, CBC⁺¹⁹, CHS11, CLH⁺¹⁸, CFH⁺¹⁹, CYW⁺¹⁹, CBPP18, CS19, CCC19, CZL^{+18b}, DFRW17, DDMPG17, DGR⁺¹⁹, EAED18, FG18, FTK17, FSM^{+18b}, GHD19, GAI⁺¹⁸, Ham19, HC17, HHH⁺¹⁹, HCZW17, HMA^{+18a}, HMA18b, HX19, JBC16, KGS⁺¹⁹, KLJS19, KAS⁺¹⁸, KFK19, KS18d, LRJG19, LNK⁺¹⁸, LKFB18, LML⁺¹⁹, LNM⁺¹⁹, LSV⁺¹⁸, LCY19a, LCY^{+19b}, LLW^{+18b}, MCN⁺¹⁸, MLC^{+18a}, MK17, MVL^{+18a}, Mat18, NAGD18, NWMG17, NWL17]. **smart** [OCW14, Osm19, PC17, PRL⁺¹⁹, PPS⁺¹⁸, QCZH19, RGN⁺¹⁸, RGSL18, RAdARP19, SRdlPG19, SB19c, SP18b, SAG19, SAVS19, TGM^{+19a}, TOD17, TZL⁺¹⁸, TLL⁺¹⁹, TWZP18, TCB⁺¹⁷, UGBM⁺¹⁷, WDJC18, WHBC19, WGC19, XYLZ18, XLL^{+18a}, YJS18, YSHM19, ZZY⁺¹⁹, ZXD⁺¹⁹, dSK⁺¹⁹, AR18, AL14, CGSV17, FAMA⁺¹⁷, GXL⁺¹², GMLGB⁺¹⁷, HSS17, hKRM17, KADJ14, LSL⁺¹⁵, TAS⁺¹⁸, UPP17]. **Smart-citie** [AT18b]. **Smart-Cities** [Sta17b]. **Smart-grid** [AT18b]. **smart-spaces** [AT19a]. **smarter** [APBdl17, FRM⁺¹⁸]. **smartification** [BZ19]. **smartphone** [AB19b, HUMA18, VOCHC17, OMD⁺¹⁸]. **smartphones** [WWVJ17, YYD⁺¹⁴]. **SmartSantander** [DDMPG17]. **smooth** [LSW⁺¹⁹]. **Smoothing** [DV13]. **SMP** [BTM10]. **SMS** [CYZK15, PCK19]. **SMT** [PAB⁺¹⁴]. **SMT-based** [PAB⁺¹⁴]. **SN** [RMDB18]. **snake** [RDSA18]. **Snort** [SI18]. **SNR** [RJN⁺¹⁹]. **SNUSE** [DEL19]. **SOA** [BDP11b]. **SoC** [DQC⁺¹⁹, QZM⁺¹⁸]. **SoC-based** [DQC⁺¹⁹]. **Social** [AC16, AMPP19, BCJT13, DMPS19, DCF19, EGVT18, KZA⁺¹⁸, LSAM13, NJ18, NJ19, PLLP19, PYM18, RQN⁺¹⁹, SP18a, SRP19, WZWW18, ZCYZ18, ZG18, ZSGJ19, AUSA19, AKP⁺¹⁸, AQRH⁺¹⁸, AQAR⁺¹⁸, AT19a, ABG18, ACM⁺¹⁸, AMPS19, ATM⁺¹⁹, ACD⁺¹⁹, BCdV⁺¹⁹, BTP19, CWJ16, CGM⁺¹⁸, CHY⁺¹⁸, DFLO17, DYC⁺¹⁸, FPL⁺¹⁹, GJ18, GBY16, GTSAR⁺¹⁴, GWC⁺¹⁶, GGC18, GSN⁺¹⁸, GGMS18, HA19, HCC⁺¹⁴, HAM18, HMC19, HYF18, JLQ⁺¹⁷, JXC⁺¹⁹, JWW14, JLD⁺¹⁹, KS19, KAS⁺¹⁸, LRL⁺¹⁴, LCW⁺¹⁸, LZP⁺¹⁸, LLW^{+19c}, LLG⁺¹⁶, LWL⁺¹⁸,

LWXY19, LLAW17, LJW^{+19b}, MML⁺¹⁸, MYHZ18, MNC⁺¹⁸, MVG18, MBL⁺¹⁹, MLW^{+18b}, MSM^{+18b}, MCG⁺¹⁵, NBB18, NZOCJ⁺¹⁹, NJ17, NLM⁺¹⁶, NO19, ODC19, PBL⁺¹⁸, PPPS18, PBA18, QGX18, SOD18, SB19c, SCZ⁺¹⁹, SA19, SB18, SKS⁺¹⁸, SGBK19, TL19, WWVJ17, WRCC17, WJLW18, WDD18, WSN18, WMA⁺¹⁹, WMA18, WLA18b, XCS⁺¹⁸, XXX⁺¹⁹, XWjZyF19, YMLT13, YZL⁺¹⁸]. **social** [YXZG18b, YCXW18, YWY⁺¹⁷, YL18, YLA18, YLH⁺¹⁹, ZSJ19, ZLL17a, ZZH⁺¹⁸, ZNC⁺¹⁸, ZCL⁺¹⁹, ZC14, ZZL18, ZSS⁺¹⁸, ZCDV19, ZWJ19b, AMQS⁺¹⁹, GCCPGBGS10, HZW⁺¹⁸, HAT19, IJCR19, JBM⁺¹⁸, LKCS18, MWQ⁺¹⁹, RC18, RC19, SYJA19, SSW⁺¹⁹]. **Social-aware** [DCF19, JLQ⁺¹⁷]. **social-based** [JXC⁺¹⁹]. **social-IoT** [AT19a]. **Socially** [LAQ⁺¹⁹]. **Socially-aware** [LAQ⁺¹⁹]. **society** [APRC16, LLS⁺¹⁴, PKF14, Zhu14, Zhu14]. **Socio** [ABD⁺¹⁹, HMC19, KKS18b, CC19]. **Socio-cyber** [ABD⁺¹⁹]. **socio-economic** [CC19]. **socio-inspired** [KKS18b]. **Socio-spatial** [HMC19]. **SocioScope** [NJ18]. **Soft** [EA17, TA19, BBB16, GKW⁺¹²]. **Soft-biometrics** [TA19]. **Software** [CWL⁺¹⁹, CS19, DO15, GRCP⁺¹⁷, GTSP⁺¹⁹, JAAD⁺¹⁶, KB18, KKvdB⁺¹⁷, MKRD19, NAGD18, SMG18, TDSH16, TSTD16, WRK⁺¹⁵, ACHP19, CMZ⁺¹², CY12, CJK⁺¹⁸, CKP⁺¹⁹, CCDP19, CDMR19, GZLZ16, GVBG17, GHYK18, GXL⁺¹⁸, HA16, HA18, HYG⁺¹⁹, KHG⁺¹⁸, Kol18, KK16, Lee12, LBM18, LGP⁺¹⁹, LLW^{+19c}, LLS⁺¹⁴, LRC⁺¹⁸, PLL⁺¹⁸, PSLZ18, QCY⁺¹⁹, RA12, SF19, SMS14a, VSDD13, WHS⁺¹⁷, WZWC18, YLJ⁺¹⁷, ZGL19, ZWJ^{+19a}, ZLZ13, ZBCT17, ZZSZ18, dSK⁺¹⁹, BRH18, EMJ⁺¹³, IDKD19, RGSL18, RA12]. **Software-as-a-Service** [EMJ⁺¹³, RA12]. **Software-Defined** [CWL⁺¹⁹, SMG18, GTSP⁺¹⁹, ACHP19, CJK⁺¹⁸, CKP⁺¹⁹, GHYK18, GXL⁺¹⁸, HYG⁺¹⁹, QCY⁺¹⁹, ZGL19, ZWJ^{+19a}, ZBCT17]. **Software-Intensive** [DO15]. **soils** [SDST18]. **solar** [TTC⁺¹⁴, GCCPGBGS10]. **solid** [PLZX19, MPCAF15]. **solid-state** [PLZX19]. **solubility** [HHM⁺¹⁹]. **solution** [ATH⁺¹⁹, BS17, DSS19, DMM⁺¹⁸, GHY⁺¹⁸, HCL⁺¹⁷, HXY13, IDKD19, KNI⁺¹⁸, LZX16, MGV⁺¹⁸, PIP18a, RPMG10, SJR13, TDSH16, VRS⁺¹⁹, WTG⁺¹⁹, YLN15]. **solutioning** [MNY⁺¹⁹]. **solutions** [AR17, ACL⁺¹⁸, AAC⁺¹⁹, BCP18, CSdCM⁺¹⁷, CCRL18, EGVT18, KS18b, LKA⁺¹⁹, OdI14, OMPSPL⁺¹⁹, PAL⁺¹⁹, PYM18, PDH18, PWA⁺¹⁹, QCD16, dCRL⁺¹⁹, dCTVC18]. **solve** [SSG17, ZZC18]. **solvers** [BEWZ10]. **solving** [CMT16, FFPS10]. **Some** [Pal16, KAW12, Man15, SZR18]. **Sort** [MAÇ17, ZZS⁺¹⁹, GK18]. **sorting** [LQK⁺¹⁶]. **SOS** [AMPP19]. **sound** [DH16, RJN⁺¹⁹]. **soundness** [KYZ19]. **sounds** [WLZ⁺¹⁴]. **Source** [QC18, TKA18b, ASAAM⁺¹⁹, GBKJ18, HZW⁺¹⁸, HHW⁺¹⁹, KTTK17, MQN19, PWA⁺¹⁹, PSK⁺¹⁰, VOCHC17]. **sources** [CCJ16, ZMP10]. **South** [HPP⁺¹⁸]. **SP** [LZW⁺¹⁸]. **SP-Partitioner** [LZW⁺¹⁸]. **Space** [WZL18, DBD⁺¹⁴, GQLX18, JHC10, KI19, LGZY18, MSM^{+18b}, YPHZ14, ZZ15]. **Spaces** [DP17, AT19a, BR18, LLS⁺¹⁴, SNC18, SAG19]. **Spam** [EAA16, CYZK15, CWZ⁺¹⁷, SB18]. **SPAMINE** [AVPV17]. **spammer** [MK19a]. **spammers** [AM19b]. **Spanish** [SGGCR⁺¹⁶]. **spanning** [CFL⁺¹⁸]. **spare** [sGbKS19]. **spark** [GLVC18, LZW⁺¹⁸, SJ18, SJ19, CSG⁺¹⁸, HSV⁺¹⁷, LWR⁺¹⁹, TZLL18, ZHW19]. **Spark-on-Yarn** [ZHW19]. **sparse** [FFL⁺¹⁹, LLSL18, XJY⁺¹⁸, YJY⁺¹⁸, ZWL⁺¹⁶]. **Sparsity** [YSZW18, HDO16, MQL⁺¹⁹, YZWG18]. **sparsity-aware** [MQL⁺¹⁹]. **Spatial**

[ATM⁺¹⁹, CMNK19, GRL11, ATS14, CGN18, CAL⁺¹⁸, GFD14, HMC19, LWZ^{+19a}, LLS⁺¹⁹, LZL19b, MTD18, NWD⁺¹⁸, NZL⁺¹⁵, SSZ⁺¹⁷, YXZG18b, YDT19, ZSZ14, ZLT⁺¹⁹, dIFVPSHL⁺¹⁴].

spatial-temporal [CAL⁺¹⁸, NWD⁺¹⁸, YXZG18b]. **Spatio** [SSP17, ZWYH19, MLW^{+18a}, QNM⁺¹⁹].

Spatio-temporal [SSP17, ZWYH19, MLW^{+18a}, QNM⁺¹⁹].

spatiotemporal [WZW19b]. **speaker** [ZDM⁺¹⁹]. **Spec** [MHZK18]. **Special** [ADALZ14, AC10, AR10, AM10, BB13, BDF⁺¹⁶, BB12, BR10, BRHH18, CMA11, CRSdS10, ChK11, CC11, CSYY18, CGD10, CPSRG14, DFRW17, DPDS14, DDB14, DO15, FA11a, FM10a, GMP⁺¹⁸, HYZS16, HKPT10, HJC10, JO11, JS12, JY15, KZ14, Lee12, LS10, LNB14, NFK10, OM10, RW13, SZV19, SGM11, Śle14, TCG14, TBK⁺¹⁰, TKRA14, TBdL16, WSB⁺¹⁵, XZ11, XLZ18, YGS16, YJHZ14, ZSH12, Zhu10, ADLW12, ARB12, CRW⁺¹⁶, GVTdL18, KJ12, PC18b].

Specific [JC15, KZA⁺¹⁸, KANS18, SCZ⁺¹⁹].

specifically [RLRC13]. **specification** [MCF⁺¹¹]. **specifications** [ATdC⁺¹⁶].

Spectral [RJN⁺¹⁹, DNW⁺¹⁹, GHEB⁺¹⁸, GHEB⁺²³, LJJ18, RCM17]. **spectrogram** [WZY⁺¹⁹]. **Spectrum** [DSBC19, LSG18, JSS⁺¹²]. **speculative** [LAL⁺¹⁴]. **speech** [WZY⁺¹⁹, YXY18].

Speed [CZM⁺¹⁸, HGM15, SF19, ZTKX19, DJJ⁺¹⁸, HDB18, JH16, KC19b, LSH⁺¹¹, LYS12, MWL18a, MAPA19, RPA⁺¹⁸, TYWZ18, VSBN19, DSBC19].

Speed-adaptive [ZTKX19]. **SpEED-IoT** [DSBC19]. **speedup** [PJDO13]. **SPFCNN** [ZSQ⁺¹⁹]. **SPFCNN-Miner** [ZSQ⁺¹⁹].

spill [FCD⁺¹⁴]. **spinal** [WWP19, WWP20].

spine [WWP19, WWP20]. **spiral** [TM19].

Split [MK19a, MYK16]. **split-layer** [MYK16]. **SPMD** [MMRL17]. **SpO2** [HJA⁺¹⁹]. **sport** [KMU19]. **spot** [CLRL18, DR18, FEÁ19, JTB13, LXJD18].

spot-checking [LXJD18]. **spread** [WJLW18]. **spreading** [DYC⁺¹⁸, SSZ⁺¹⁷].

spreadsheets [Asu13]. **SQL** [LZL⁺¹⁶, LRMS19, SW17]. **SSDs** [LQK⁺¹⁶].

SSE [Lin18]. **SSL** [DC17]. **SSL/TLS** [DC17]. **SSO** [MLM16, YPJ19]. **SSOR** [BTM10]. **stabilization** [CCT13]. **stable** [FTK⁺¹⁴, SI19, ZF16]. **stack** [PDK10].

stacked [LCL⁺¹⁸, RSY⁺¹⁸]. **Stackelberg** [LN13, SSHC19, SSJ19]. **stacking** [LYC⁺¹⁹].

Stag [ZSS⁺¹⁸]. **stage** [QZD⁺¹⁸, SCLC19].

stages [AAJ17, KN10, UZ11]. **stakes** [CND⁺¹⁹]. **stalking** [EA13]. **standard** [RNR18]. **standardized** [BAB13, MEBA12, WBKL16]. **standards** [ACWJ19, SDK19]. **star** [LLpC12].

star-topology [LLpC12]. **start** [BKY18, KMT14, TJZ⁺¹⁵]. **State** [CsZzG⁺¹³, GBY16, SJV⁺¹⁵, SGL⁺¹⁹, WW13, XWW19, dCTVC18, ANG⁺¹⁹, GHLW18, Kyr19, LCC19, LTC12, LSL⁺¹⁵, Mér17, PLZX19]. **State-based** [WW13, Mér17]. **State-of-the-art** [dCTVC18]. **Static** [ABG17, BBB16, SDTA19, SMS14b].

station [XTL⁺¹⁹]. **stationary** [CZT⁺¹⁵, GHEB⁺¹⁸, GHEB⁺²³, UMUB19].

statistic [GWW⁺¹⁹]. **Statistical** [LCGPC19, MSA⁺¹⁹, MR19, ZMZ⁺¹⁹, ZMZ⁺²⁰, BMP⁺¹⁶, HFM19, KHWZ18, RS16, SCH⁺¹⁷]. **statistics** [WSN18].

Status [CBBC⁺¹⁷, KARP14, LAQ⁺¹⁹].

steel [YLL⁺¹⁹]. **Steering** [LBU⁺¹⁰, WCKW10, MDO⁺¹⁵, RMCN⁺¹⁰, SSC⁺¹⁹].

steganography [MSM^{+18b}, SAM⁺¹⁹].

stencil [GMB19, YDT19]. **stent** [ZMZ⁺¹⁹, ZMZ⁺²⁰]. **step** [KRZ12, YXA⁺¹⁸, JLQZ18]. **stereoscopic** [OMKM⁺¹⁹]. **still** [BKY18]. **stimulation** [NDZ^{+18a}, NDZ^{+18b}, NDZ⁺¹⁹].

Stochastic [FBM19, FAL⁺¹⁹, SLD⁺¹⁵, BKB18a, CLRL17, Li15, LWZ18, SMS14b, TLL⁺¹¹, ZZF⁺¹⁹]. **stock** [Che14, JHC18, Lin18].

stone [HZX⁺19, HZX⁺20]. **Storage** [SRN⁺18, AR15, AKCY⁺17, AGA16, ADDV16, BSR18, Bha18, BBB⁺19, CW16, Che13b, CBT⁺19, CDL18, DLZ⁺14, DLLZ17, DKK⁺13, DLH⁺17, ED16, ED19, FH13, FLT⁺19, GTSAR⁺14, GTSP⁺19, GG10, GLB⁺18, GZQ⁺19, HSM13, HDO16, HNKÖ18, JSC⁺15, JCL⁺15, LZL⁺17, LSH⁺11, LFH⁺15, MPP13, MYW⁺19, MPC⁺18, MAA⁺19, MM18, MKRD19, PWMX17, RP18, RTS⁺16, RAA⁺18, SJTN18, SYY⁺17, STC15, SGBK19, SSKK13, SMS13, SCH⁺19, SYQ⁺19, TSWL17, WCF⁺15, WZH⁺18, WLA17a, WLA17b, WHW17, WLML17, XFL16, XLL⁺14, XJWW15, XWM18, XYML19, XXB19, YZW14, YNY⁺14, YZN⁺15, ZFW14, ZWL⁺16, ZYCZ19, ZW10]. **store** [WHZ19, YFY⁺13]. **stories** [VPA⁺18]. **Storing** [LLCF11, LZL⁺17, SW17]. **STORK** [TOS18]. **storm** [WSQ⁺18, FPR18]. **story** [ACM⁺18, LJ19a]. **stragglers** [OWX19]. **strategic** [ECPF17a]. **Strategies** [MGV⁺18, AS19b, ASD12, BBT19, CPGdS⁺13, HCJ14, LWTL19b, LSMVML13, RGC⁺10, VGC⁺13, dOOO⁺13]. **Strategy** [ZZLR18, ABMESM18, CWJ⁺18b, CS12, GJGB19, GS16b, HA19, LFL⁺17, LSG⁺19, NQQL13, SSL12, SYL18, TWG⁺19, WZZ16, WCM⁺19, WYJ⁺19, WMC19, WS10, WW13, XWL⁺18, XWjZyF19, YLWW18, YYLC10, YMY⁺17, YDQC19, YK17]. **STRATFram** [BBT19]. **Stream** [CLNR18, dRADFG18, ACC⁺16, BGC⁺19a, BVFGWA15, EMHE18, FPR18, GRX19, HRVW18, LOR⁺18, LSD11, SSL13, SGL⁺19, WPGN⁺18, WHMO13, WLW⁺19, YL16, ZSBB19, BGC⁺19a]. **streaming** [BDNP13, DHW⁺17, kHsZwJW18, KWK16, KSK⁺11, LZW⁺18, MBC⁺11, MCAS19, MYK16, RGGH18, SKF⁺11, TCN⁺16, WLL⁺19a, WdL16, Wei11, YMD⁺13, ZCK⁺15]. **Streamlining** [WBKL16]. **streams** [CFM17, DGD⁺16, FSV⁺19, GACM17, LCCM18, MPP13, MTD18, PvSS17, RBLvM14, TSRG17, TCBPR16, UMUB19, WSN18, YARH18, ZSP17]. **Street** [AR18]. **strength** [AKM18]. **string** [LHCC18]. **string-wise** [LHCC18]. **Stroke** [TJ18]. **Stroke-order-free** [TJ18]. **Structural** [ARP14, XPL19, ZZF⁺19]. **Structure** [KS18a, PC18a, WZL18, ASV⁺13, CWL⁺18, CD16, CLS⁺19b, DZZ⁺15, LY17, LY18a, PLL⁺18, SGBK19, YK17, YNLY19, ZFY18, ZZBZ19, ZB19]. **Structure-aware** [PC18a]. **structure-based** [SGBK19]. **Structured** [CDG⁺14, BMH10, CHSA18, KX11, RHMGC14, SB17a, VMSRM12]. **structures** [KWB19, PPG19, RGCCL18, SB18, ZZ15]. **student** [CMEA⁺19, FFGP⁺19]. **students** [FJA⁺18, Kim18]. **studies** [Asu13, CPP⁺18, LLES19, SHS⁺19]. **Study** [SAGGB17, dLB10, APR⁺19, CGN18, CLAL19, CCT13, CMG⁺19, CT19c, CPMG19, FGM11, GSV⁺10, GRS⁺19, GMM18, HMA18b, IPG⁺18, KHJ10, KC19b, LCY19a, MYBMM18, MNC⁺18, MKS18, MOFGP18, PDDS10, PM14, RMJ⁺18, SB11, SHH⁺19, WLH16, WRCC17, XLL⁺19b, ZDL⁺13, ZN12, ZTC⁺19, ZXL14, dOOO⁺13]. **Studying** [FAMA⁺17]. **sub** [YPCK12]. **sub-directional** [YPCK12]. **Subevents** [NO19]. **subjective** [LLJ⁺11, XJY⁺18]. **subjects** [Wei11]. **Subscribe** [BGP⁺17, AMPZ16, EBCP18, MWQ⁺14, OKF10, XWJ⁺16]. **subsets** [QC18]. **subsetting** [PPZ12]. **SubSift** [PFS⁺13]. **subspace** [ArMS19]. **subsystem** [CPSD18]. **subtalar** [Bo19, Bo20]. **subtraction** [DGA18]. **successful** [KS19]. **successive** [LWXY19, ZWS⁺12]. **sufferers** [NDZ⁺18a, NDZ⁺18b, NDZ⁺19]. **sufficient** [XWL⁺18]. **suite** [SPMC10]. **summarisation** [BCR⁺12]. **Summarization** [CZ14, CZ19]. **SunwayMR** [WHYZ17]. **Super** [GHO⁺11, JP18]. **Super-resolution** [JP18].

SuperFine [NS17b]. **superscalar** [RMCN⁺10]. **superscheduling** [MJRM16]. **supertree** [NS17b]. **Supervised** [hKBB11, HLL12, YWY⁺17]. **supplier** [ABMMC18, ABMMC22]. **supply** [ABMM18, AB19a, ABGMC19, AB21, BDA19, JLQ18, LBJ⁺18, LBJ⁺24, PYH17, YLL⁺19]. **supply-demand** [PYH17]. **Support** [CLAL19, CLY14, DJPM18, SCJ⁺19a, ADBM19, BBWB⁺18, BRB19a, BKB18b, BMP⁺16, CAS⁺16, CFMC19, Che13a, EP12, FK11, GGTRRC16, GHLW18, GKTK15, GSY⁺19, HHL11, Ham17, HAA⁺16, JNS⁺19, KDG⁺19, KFBKD14, LZ10, LPK17, LLW⁺19c, LDY⁺18, MDB⁺18b, PWB⁺13, SCEC18, TKTG19, VDK12, YÁJG⁺15, ZZDM⁺18, dIFVPSHL⁺14, LPK18]. **Supported** [DPDS14, JO11, HJA⁺19, PPS⁺19, ZAI⁺18]. **Supporting** [GJF⁺12, JHC10, Lok12, LXZ⁺18, LHCC18, CES⁺19, CMP⁺17, CDB⁺19, CPLH19, DMPP16, GdCP19, HZL18a, SB11, SAK⁺10, YD18, ZBF14]. **surface** [NUPA19]. **surgery** [WWP19, WWP20]. **surrounding** [SLTK19]. **Surveillance** [MPI⁺18, AMBB18, HST⁺18, HZZ⁺18, LDX19, RHH⁺16, TWZP18, UMUB19]. **Survey** [DRGC⁺19, GBB18, JAAD⁺16, AMI16, ABP18, ASD12, AMS19, BMK⁺14a, BdDPP16, BRNR15, BBI13, FSV⁺19, FLR13, GXL⁺12, HQH16, HAP11, HMZ18, HDB18, IAM⁺18, KKKM13, KAH⁺19, KRZ⁺19, KAW12, LY19, MDO⁺15, RLM18, TVB18, VNAMM19, WLW⁺19, WGM15, ZZF18, ZAI⁺18]. **surveying** [YWZ⁺18]. **surveys** [DGD⁺16]. **Suspending** [ALM⁺10]. **Sustainability** [GLD⁺19a, AK18b, KPB18, LIC18, SA19]. **Sustainable** [KHG⁺18, HYC⁺18, KZS⁺19]. **sustaining** [BFN18, SZG⁺19]. **SVD** [AM19a, CHY⁺18]. **SVM** [CTU19, RW18]. **SVM-based** [RW18]. **SVMs** [FZHH14]. **SVR** [JP18, LZL⁺19a]. **SVSC** [HYC⁺18]. **SW** [XZL⁺19]. **SWAN** [PTM⁺18]. **swap** [CSJ⁺17]. **SwapBench** [ZLL⁺17b]. **swapping** [ZLL⁺17b]. **Swarm** [CT19b, XRPT18, GHEB⁺18, GHEB⁺23, JNR12, LAH10, LSV⁺18, OB19, SJL⁺18, WCL⁺17b, XZW⁺19, ZSMS18, HAT19]. **SWARM-based** [HAT19]. **sweep** [SIL⁺13, SVN10b]. **SWI** [CAS⁺16]. **swift** [WCF⁺15, PLCGS11, GCM⁺11]. **switch** [STC15, ZGL19, KSC⁺19, SCJ⁺19a, ŠCJ⁺19b]. **Switched** [CGD10, CGJ⁺10, KK10b]. **switches** [LKTC14]. **switching** [CJHH13, CWL⁺19, HAP15, LLL⁺19, MSM⁺18a]. **switching-frequency** [CJHH13]. **Sybil** [AQRH⁺18, AQAR⁺18, JNHL18]. **Sybil-precaution** [AQRH⁺18]. **Symbiotic** [ANA16, EA17, Sko19]. **symbolic** [CsZzG⁺13]. **Symmetric** [LL18, DLZ16, FH13, GMdFPLC17]. **symmetrical** [RS17b, USK16]. **symmetry** [XJZ⁺19]. **symptom** [YZL⁺18]. **symptom-matching** [YZL⁺18]. **synchronisation** [PDDS10]. **synchronization** [ANG⁺19, CZT⁺15, FSY⁺19, HXY13, MM18, MMLO18]. **synchronization-based** [ANG⁺19]. **synchronizations** [KYZ19]. **synchronized** [LKK⁺16]. **Synchronous** [dRRdQGR⁺18, GGLD10, OPT⁺17, XZZ⁺19]. **syndrome** [Bo19, Bo20]. **synergetic** [XFM16]. **synergistic** [KSS11]. **synoptic** [DGD⁺16]. **syntactic** [GMMM18]. **Synthesis** [wZcZN⁺19, wZcZN⁺20, BGNI19, RS17b, SK18, TA19]. **synthesists** [SOA17]. **synthesizing** [LIH⁺19]. **synthetic** [MR19]. **Syst** [AB19a, AB21, ABMMC22, BFS⁺17a, Bo20, Cha14b, DP20, DP21a, DP21b, GHEB⁺23, HZX⁺20, HYS18, JLC⁺20, NDZ⁺18a, NDZ⁺19, SME⁺21, WWP20, WCWC20, YWG⁺20, YTQ20, ZMZ⁺20, wZcZN⁺20]. **System** [AMPP19, BZS18, CBC⁺19,

CFH⁺19, CCM⁺14, DP20, DP21a, DP21b, GCD⁺18, KV17, LSD⁺17, LRZ⁺18, LSG⁺19, MPI⁺18, ML17, RT16, RMA⁺18, SVN⁺10a, SS17, ZYA⁺18, AD18, ABZK15, ABDH19, ABC⁺18, ABD⁺19, AKCY⁺17, AQAR⁺18, AASI17, AHYF19, AHM⁺18, AHMS18, AMR⁺19, AIB⁺18, ATM⁺19, AS18b, ACC⁺19c, ABH18, BAJ⁺19, BDE17, BG12, BPC⁺14, BW19, CCT13, CM17, CWSW14, CLL⁺14, CYZK15, CLH⁺18, CZH⁺18, CLS19a, CLDC19, CW13b, CSL18, CAS⁺18, CRC⁺19, DVJ⁺15, DP19, DLL⁺19, DCF19, DdSdN⁺19, FK11, FMV14, FAL⁺19, FAMA⁺17, FPR18, FNA11, GLM⁺12, GVBG17, GML⁺13, GCCL18, GGDM⁺18, GJKP18, GG10, HUMA18, HDA⁺19, HIA⁺18b, HZM14, JBC16, JAAD⁺16, JXC⁺19, JSC⁺15, JXZ⁺19, JSZ⁺19, JOSD19, KKB18, KIAD17, KDG⁺19, KS17a, KLJS19, KKL11, KVHT10, KLV⁺18, LCH⁺11, LRL⁺14, LBJ⁺18, LBJ⁺24, LXD17, LZXW13, LLC⁺16, LLN⁺18, LSZ⁺18, LWTL19a, LJY12]. **system** [LLW⁺12b, LDY⁺18, LLL⁺18, LYW⁺16, LCY⁺19b, MVL⁺18a, MKK13, Mat18, MTD18, MPR⁺16, MAY18, MOFGP18, MFSV19, MQN19, NDA⁺19, NLS19, PZC19, PdASM18, PBA18, RBGA18, RHH⁺16, RRP⁺14, RML⁺19, RB12, RGM⁺19, RGSL18, RWV⁺13, SSG17, SAK19, SI18, SPSP17, SCL14, SZD⁺17, SWW⁺18, SM18, SB16, SYCH18, SAVS19, TTC⁺14, TNY17, TMM⁺13, TCCC11, UPP17, USK16, UDvdW⁺18, VSP⁺14, VPT⁺10, WCF⁺15, WMX⁺17, WWZC19, WY19, WGC19, WDZ19, WLP18, XCS⁺18, XKBA18, XKJ⁺18, XWL⁺15, XJY⁺18, XYML19, XXB19, YMW⁺18, YCY10, YWL⁺17, YZL⁺18, YJS18, YWZ⁺18, YZL⁺19, YCD⁺19, YH19, YS16, YZ12, YZW14, ZWL13, ZFW14, ZSX⁺15, ZGL⁺18, ZWZ18, ZZXL18, ZRZR19, ZCQ⁺16, ZWX⁺19, ZW10, Zhu18, ZAI⁺18, Zin18, ZXL14, APRC16, BBB⁺11, GCCPGBGS10, WXYL15, ZPPE17]. **System-level** [SVN⁺10a]. **Systematic** [KT17, MND⁺19, MCWP16, PVHTP19, SAC11, WZH⁺19, WLHH18]. **systemic** [ABF⁺15b]. **Systems** [AWYJ16, AMSPL19, ADALZ14, CCRL18, DPDS14, DO15, EGV18, LBJ⁺24, LJC⁺19, PIP18b, SHS⁺19, SAPA17, TCG14, VLAC⁺13, Wri19, YGS16, YZI18, ZZLR18, ABMM18, ASAB⁺18, AB18a, AB19c, ATdC⁺16, ABF⁺15b, AR10, AB17, AB18c, AM10, ADLM18, ADBO18, AMR18, AH11, BK19, BMR15, BK16, BBWB⁺18, BDL⁺19, BFP18, BDNP13, BDWM17, BBMG10, BBB⁺19, BRNR15, BR10, CCL19, CPGdS⁺13, CMEA⁺19, CXZ⁺19, CSdCM⁺17, CDL⁺16, CTR⁺17, CLM⁺14a, CCJ16, CXL⁺17, CSJ⁺17, CLDC19, CBT⁺19, CLP⁺14, CSC18, CCDP19, CR14, DPK⁺19, DKV14, DEL19, DFRW17, DV13, DLDTGMMP16, DYI⁺16, DCMW17, EAED18, EG18, EMHE18, ECPF17b, FDP17, FM10a, GHD19, GDJ⁺13, GJ15, GA13, GL19, GEAR13, GOLL19, GM11, GDR⁺14, HAF⁺16, HNKÖ18, HRVW18, HCB16, HZP⁺14, HPP⁺18, HHXL13, HKS18, HDLW13, HLL⁺17, HLT⁺18, HCX⁺19, HLN11, IPG⁺18]. **systems** [JLCC12, JZWL17, JLY⁺18, KHWZ18, KANS18, KBVH14, Kha12, KB18, KKB⁺19, Kim14, KCS14, KARP14, KB16, KFBKD14, LBD18, LLES19, LKN⁺13, LRYJ17, LLF⁺18b, LWK⁺18, LCL14, LFH⁺15, LLGY18, LSAM13, Lok12, LKJ17, LXZ⁺18, LM12, LZY⁺16, LHCC18, LHY⁺19, MWQ⁺14, MBM18, MGV⁺18, MM10, MQL⁺19, MFL18, MRN19, MMPF19, MKRD19, MGA⁺19, NPH19, NKB19, NFK10, NK15, NSSA⁺14, NQQ13, OFD17, OKF10, OPO13, OA17, OCC14, PLL⁺18, PdASM18, PMK18, PPS⁺19, PKF14, PARMF14, PWMX17, PLP⁺19, PNZ14, PQBP17, PSW⁺19, PB18, PYH17, PSBB15, QMCX19, RBA17, RD14, RVC16b, RVC16a,

SZV19, SB19a, SRdIPG19, SI18, SMS14a, SSSJ19a, SBLW14, SZK16, SOIS12, SFR15, Sko19, SMM⁺14, SLS⁺19, SMS13, SK19, SCH⁺19, SGL⁺19, SVN10b, TKR⁺15, TAS⁺18, THT12, TCH19, Tur18, URC19, URKM19, VF18, VDK12, Vin16, VMN⁺18, WHZL10]. **systems** [WLZ⁺16, WHS⁺17, WZWC18, WPJ16, WZS⁺18, WLS⁺18, WZML18, XLZ18, YLJ⁺17, YYS⁺19, YP12, YL18, YMD⁺13, ZAB15, ZMTT16, ZXW19, ZA13, ZME⁺15, ZYB⁺18, ZYC⁺19, ZLG⁺14, ZYTC15, ZLL⁺17b, dSFP⁺17, HYZS16, HLV⁺16, LWV⁺16, TKRA14].

T [Che18, QMSG12]. **T-Alloc** [QMSG12]. **T-S** [Che18]. **T1000** [LYW⁺18b]. **T3** [EMHE18]. **T3-Scheduler** [EMHE18]. **Table** [JL14, GXL⁺18, LTC12, LPY⁺18, MWYC12]. **tables** [CHS⁺18]. **tablet** [CPP⁺18]. **tablet-based** [CPP⁺18]. **Tac** [SLH⁺19]. **Tac-U** [SLH⁺19]. **tacit** [MED16]. **tactics** [LLES19]. **tactile** [AAS⁺19, SLH⁺19, VKT⁺19]. **Tag** [SJL⁺17]. **tagging** [WMA18]. **tags** [BGC19b, LEW19]. **tailored** [BCN⁺19, RLRC13]. **Tailoring** [GNVST14]. **Tale** [BCG⁺19, LLES19]. **TAM** [CT19c]. **Taming** [TGM⁺19b]. **target** [ASA19, HSV⁺17, LWX13, LXT⁺19, WFQ⁺10, ZBL⁺14]. **targeted** [NNC⁺19]. **targeting** [SBCF16, wZcZN⁺19, wZcZN⁺20]. **Task** [AMS19, AEM10, MVC⁺13, SL11, ZZ19, ANA16, ADBO18, AMR18, BKS⁺18, CLRL17, CXZ⁺19, CA13, CLC11, CdSDS15, CXL⁺17, CWJ⁺18b, DKV14, EMM12, FGW⁺19, FDP17, GCZ⁺19, IDM⁺16, JLD⁺19, JEB18, KOT18, KRZ⁺19, KA19, LTTL19, LCMX16, LPL⁺16, LWR⁺19, MGMT18, Nag16, NPP12, PLLA18, PB18, QZM⁺18, RS17a, SV16, SDTA19, TdPF⁺17, TVB18, WKC⁺13, WZM⁺18, WSC⁺19, WWG19a, WDR⁺19, WPJ16, XAW⁺10, YYW⁺19, ZMTT16, ZCK⁺15, ZGL⁺18, ZZC19, vKvWD⁺13]. **task-based** [JEB18]. **task-efficient** [QZM⁺18]. **task-level** [PLLA18, WDR⁺19, ZCK⁺15]. **tasks** [APAZ17, BDS⁺10, CFGM16, CA15b, CLR18, GVA⁺16, GGS13, LGY⁺16, Li18, LLS⁺19, LG16b, MLBS11, MRN19, Nag16, PKA19, SHP⁺16, SC19, TLL⁺11, WHW16, Wu16, ZXW19, ZCL⁺14]. **TASSER** [ZZBZ19]. **Taverna** [ABG17]. **Taxonomies** [SV15]. **Taxonomy** [ALK15, DZH18, SYK⁺17, ATS14, BMK⁺14a, DC18b, DJ13, LCC19, LLWZ18, QKC19, TVB18, YHA⁺19]. **TBRs** [LLW⁺19b]. **TCARS** [RMA⁺18]. **TCKPT** [KKJJ10]. **TCP** [KHJ10, NLLC19, WWD⁺14]. **TCP/IP** [KHJ10]. **team** [UZ11]. **teams** [DBS14, GLD⁺19a]. **technical** [UNM⁺16]. **technique** [AKM18, DC17, GSC11, KHVZ18, KKAS19, SMRM13, SKS⁺18, SLA⁺16, WCC14, WTS14, YSL19, dFPFG19]. **Techniques** [Gra15, WRK⁺15, ZYA⁺18, AD18, AAN⁺18, AMI16, ACM19, AMS19, CGN18, CLAL19, DMPS19, DGR⁺19, HSC15, JYY⁺17, MVG18, SC19, SMS16, SV15, SKS17, SK12, SJS19, TSBH11, VOCHC17, WMX⁺17, WLB11]. **Technological** [dlFVPSHL⁺14]. **Technologies** [BDF⁺16, DPDS14, ZPPE17, AZH18, ABP18, CPSRG14, DFRW17, GVBG17, HSB⁺18, HJC10, HSS17, IJCR19, KPS18, KS17b, LLMP13, MGA⁺19, PPS⁺19, PGCML⁺19, RVC16b, RVC16a, Śle14, SHH⁺19, WCKW10, HMS15]. **Technology** [ChK11, LCY19a, ZZLR18, AB19b, AAC⁺19, ACPI19, Ham19, HCZW17, LBJ⁺18, LBJ⁺24, NLM⁺16, SSL⁺19, WZH⁺18, YLL⁺19, vdPGZ⁺16]. **TEE** [DJZ⁺15]. **telecare** [LWK⁺18]. **telecollaboration** [AKB18b]. **telecommunication** [WWZZ18]. **telehealth** [WQG15]. **telemetry** [KMC18]. **teleophthalmology** [DRC⁺19]. **telerehabilitation** [AKG⁺17]. **Telescope**

[CSV⁺19, LCdPMCT19]. **tell** [GMM18, VPA⁺18]. **Temperature** [RMRSA19, MLGGB⁺17, ZXD⁺19]. **Temperature-aware** [RMRSA19]. **template** [LTJK12, LZL⁺12, MCRB19]. **templates** [AHM⁺18, ACCM19, AGBR19]. **Temporal** [CPA14, GGMS18, AVPV17, CAL⁺18, KZCW13, LFL⁺17, LZL19b, MLW⁺18a, ML19, NWD⁺18, OCW14, QNM⁺19, RAKJ18, RKB18, SSP17, WXPL17, WMBV17, XLZ⁺14, XWL⁺18, XHL⁺19, YXZG18b, YDT19, ZZC19, ZWYH19]. **temporal-spatial** [LZL19b]. **temporary** [LZL⁺17]. **tenacity** [LSG18]. **tenancy** [BPC⁺14, TCBPR16]. **tenant** [EMJ⁺13, GTSP⁺19, MDD15, PMLVLS⁺13, RB18, SWW⁺18, ZGB⁺17]. **tenant-based** [EMJ⁺13]. **Tensor** [BHE⁺19, CSV⁺12, DJPM18, EBOY14, SAG19, WHCZ18]. **tensor-based** [EBOY14]. **TeraGrid** [VHML10]. **Terascale** [WSB⁺15]. **term** [DLS⁺12, ECPF17b, HKG⁺16, JLS19, KLJS19, LCY⁺19b, MLL15, PBL⁺18]. **terms** [KMK⁺14]. **terrain** [OPO13]. **terrorist** [LO19]. **Test** [SAPA17, CsZzG⁺13, FdAGdAFV19, GMM18, MSA⁺19, WZCH17]. **testbed** [ACHP19, KSW⁺13, MLC⁺11, ZWDP18]. **Testing** [GAYTC18, MFT⁺17, CCL19, MFC⁺19, SZ12]. **text** [ASY⁺18, BD18, FMV14, FS19, KP18, NS19, RHH⁺19, WLLF16, XZ16, ZWWL18, ZZLZ18]. **textile** [WPS⁺18]. **texts** [ZNC⁺18]. **textual** [CFM17, JTL⁺19]. **theaters** [KO11]. **their** [AMÇ19, JBP⁺18, PFS⁺13, SS13, VPA⁺18, XYLZ18]. **theoretic** [DPL14, FJL⁺16, GBKJ18, Hua10, JLQ⁺17, JLCC12, JCL⁺19, KK14, TLSC17, WWRS16]. **Theoretical** [CSL18, LY19, ZZ15]. **Theory** [ASW11, CDFZ16, FEPC18, YLWW18, AS18b, AY16, CPE⁺17, Fer13, IS18, LKCS18, LZL⁺19a, PMPC13, SSHC19, SBK18, WQZ19, XL19, YMY⁺17, ZGZ⁺10, ZDL⁺19, ZCDV19, ZS10]. **Theory-based** [FEPC18, LKCS18, YMY⁺17]. **therapy** [GZZ⁺18, NDZ⁺18a, NDZ⁺18b, NDZ⁺19, ZMZ⁺19, ZMZ⁺20]. **there** [DA18]. **Thermal** [SSG19, TZQ18, SSP17, ZTD⁺18]. **Thermal-aware** [SSG19, SSP17, ZTD⁺18]. **Thin** [JLX⁺19, DSD⁺11, KuRAk⁺18]. **Thin-client** [JLX⁺19]. **Things** [AT18a, AHYF19, ASAA18, CCRL18, DP20, DP21a, DP21b, GTEL⁺18, GBMP13, KK19, LSD⁺17, PPM⁺18, RMDB18, ZYA⁺18, LLMP13, NWT19, ABMM18, AKP⁺18, ACWJ19, AR18, AGR19, AMQS⁺19, AT19b, AVPV17, AMPZ16, BA17, BAJ⁺19, BZ19, BRH18, BGS⁺19, BdDPP16, BRB19a, BRB⁺19b, BWG19, CT19a, CMG⁺19, CMI⁺19, CBT⁺19, CMP⁺17, CBPP18, CDFW18, CMZ⁺18, CDH⁺19, DPK⁺19, DZH18, DGR⁺19, DP19, DC18a, ESW⁺17, EAS⁺18, FG18, FJJ⁺18, FTK17, FRM⁺18, FMRS18, FPL⁺19, GQXL18, GLC19, GMLGB⁺17, GBB18, GHYK18, GMD19, GCK18, GZW18, GLD⁺19b, HDKC18, HKA⁺18, Ham19, HZL18a, HZW⁺18, HAT19, HHW⁺19, HHK⁺16, HPP⁺18, HIA⁺18b, HNQ⁺18, HXL⁺18, HSS17, IJCR19, JKAU19, JYY⁺17, JYZ⁺19, KWK⁺18, KOT18, KSK⁺19, KCM19, Kim18, KLH⁺18, KMST19, LKCS18, LKJ⁺19, LBD⁺19, LHO17, LYC18, LW19, LDS⁺18, LYYW19, LLW⁺19d, LZJL19, LRBW17, MWQ⁺19, MK17, MVL⁺18a, MGL⁺18]. **Things** [MLGGB⁺17, MMC⁺18, MDM⁺19, MGN⁺16, MPLM18, NSR⁺19, NJH⁺18, NHH⁺19, NWT19, OFD17, PC18a, PTD⁺18, PLGMCDf18, PC18b, QZM⁺18, QCZH19, RGN⁺18, RMSPP17, RJS⁺19, RACA18, RHPV17, RGM⁺19, RC18, RC19, SAGGB17, SYJ⁺19a, SHS⁺19, SST18, SWY⁺18, SYJA19, SHL⁺19a, SDDG17, SSW⁺19, SCZ⁺14, SCG⁺18, TLSC17, TLL⁺19, URKM19, WWX⁺17, WZW⁺19a, WYJ⁺19, WZ18, WLZ⁺19, XWW19, YLVY15, YWZ⁺18, YCT15, YWLL19,

YHA⁺¹⁹, YN18, YAP16, ZPPE17, ZAI⁺¹⁸, dFBP⁺¹⁷, uRYS⁺¹⁹. **Things-based** [HIA^{+18b}, KOT18, SYJ^{+19a}]. **Things-load** [CT19a]. **thinking** [NLM⁺¹⁶]. **third** [ED19, SGM11]. **THOR** [RAdARP19]. **thoracolumbar** [RBGA18]. **though** [KMC18]. **thoughts** [KAW12]. **thousand** [RM19]. **thread** [CMS⁺¹⁸, GS15, PAB⁺¹⁴]. **threaded** [MAC14, MCA⁺¹⁸, PWWD18]. **threads** [LAL⁺¹⁴]. **Threat** [CSYY18, AJ19, ALL⁺¹⁸, GHP⁺¹⁸, HDKC18, HDA⁺¹⁹, KAW12, NAAC19, NAM⁺¹⁹, WZH⁺¹⁸]. **threatening** [AFO⁺¹⁸]. **threats** [AHS⁺¹⁸, GGDM⁺¹⁸, RR18, RLM18, SMF⁺¹⁹, XWRZ19]. **Three** [ABMMC18, ABMMC22, AMSPL19, EHT10, OSANAM19, WZWC18, LLES19, LSD⁺¹⁷, LNK⁺¹⁸, LWT18, ZFY18, ZZZ17]. **three-dimensional** [ZZZ17]. **Three-Factor** [AMSP19, LNK⁺¹⁸]. **three-layer** [ZFY18]. **Three-level** [WZWC18]. **three-tier** [LSD⁺¹⁷]. **Three-way** [ABMMC18, ABMMC22]. **threshold** [HMW14, XJZ⁺¹⁹, ZXJ⁺¹⁴]. **threshold-based** [HMW14]. **Throughput** [TSD18, CJPC19, HAF⁺¹⁶, PMMAM13, SCY⁺¹⁸, TCN⁺¹⁶, YKK13, ZSX⁺¹⁵, ZBCT17]. **throughput-oriented** [CJPC19]. **thru** [SYW17]. **Thwarting** [VS13]. **Tibidabo** [RRP⁺¹⁴]. **ticket** [XZZ⁺¹⁸]. **TIDE** [SHL^{+19b}]. **tier** [GDR⁺¹⁴, HGG⁺¹⁴, IDCJ11, KIS11, LSD⁺¹⁷, LPD⁺¹³, SRN⁺¹⁸]. **tier-aware** [SRN⁺¹⁸]. **Tiered** [CLDC19]. **tightly** [BC15]. **TILAA** [VKT⁺¹⁹]. **TILE64** [LC14]. **tiled** [KWK16, PDK10, YDK11, KID⁺¹⁶]. **tiling** [YDT19, vWMBS14]. **Time** [DFG⁺¹⁹, GBS10, JCMPPC⁺¹⁸, JCA⁺¹⁹, MG18, NRV⁺¹⁷, RMA⁺¹⁸, SHL^{+19b}, ZWJ^{+19a}, AB19b, AQB15, AKG⁺¹⁷, ABP16, BKB11, BMP⁺¹⁶, CXZ⁺¹⁹, CND⁺¹⁹, Che14, CRRC18, CBK⁺¹⁷, CDH⁺¹⁹, DFLO17, DGD⁺¹⁶, EET18, GVURIVBV14, GKW⁺¹², GMdFPLC17, GRX19, GGLW18, HKU⁺¹¹, HJA⁺¹⁹, HEES19, HNCJ13, HIA^{+18c}, HHS⁺¹⁸, KCK16, Kim18, KSC⁺¹⁹, Li15, LRZ⁺¹⁸, Li18, LLL⁺¹⁹, LJ19b, LG16b, LPL⁺¹⁶, LWW⁺¹⁶, LHY⁺¹⁹, MZH⁺¹⁷, MPCAF15, MGA⁺¹⁸, MFT⁺¹⁷, MOFGP18, MRN19, MFSV19, MCG⁺¹⁵, NF13, NJ17, NA19, OKF10, OWX19, OPT⁺¹⁷, PKF14, PTD⁺¹⁸, PGTBC18, RPA⁺¹⁸, SHP⁺¹⁶, SSL12, STB⁺¹⁹, SK12, SK19, ŠCJ^{+19b}, TZST14, TJZ⁺¹⁵, TF17, TSRG17, TQL⁺¹⁹, TCCW19, VSBN19, WLZ⁺¹⁴, WQG15, WTM⁺¹⁷, WMA⁺¹⁹, WSH⁺¹⁶, Wu16, XLL18b, YNSM12, YCL⁺¹⁹, ZMTT16, ZCK⁺¹⁵, ZFC17, ZFC18, ZSP17, Zin18, WPJ16]. **Time-** [RMA⁺¹⁸]. **Time-aware** [DFG⁺¹⁹]. **Time-based** [JCMPPC⁺¹⁸]. **time-constrained** [SSL12]. **time-constraints** [LPL⁺¹⁶]. **time-critical** [KSC⁺¹⁹, OWX19, STB⁺¹⁹, ŠCJ^{+19b}]. **time-efficient** [XLL18b]. **time-invariant** [GMdFPLC17]. **Time-Of-Flight** [JCA⁺¹⁹]. **time-recordable** [LWW⁺¹⁶]. **Time-relevant** [SHL^{+19b}]. **time-series** [MFT⁺¹⁷]. **Time-slotted** [ZWJ^{+19a}]. **time-varying** [Li15]. **time/cost** [KCK16]. **time/cost-constrained** [KCK16]. **Timed** [BP13, SZW⁺¹⁹]. **timely** [QC18]. **times** [BBI13, CLRL17, JLL17, SPSP17]. **Timetable** [WSZC18]. **Timetable-aware** [WSZC18]. **TimeTrustSVD** [TQL⁺¹⁹]. **timing** [CCDP19]. **TIRIAC** [NJ16]. **TLS** [DC17]. **TMWSNs** [MLW^{+18a}]. **TOA** [HXY13]. **today** [MK16a, MK16b]. **token** [Ciu10a, Ciu10b, OMPSPL⁺¹⁹]. **tokens** [CJK⁺¹⁸]. **TOLA** [SZD⁺¹⁷]. **tolerance** [AMR18, GdVC10, LXJD18, NKP16, WDR⁺¹⁹]. **Tolerant** [ACC^{+19a}, SE19, AFB⁺¹⁰, CXZ⁺¹⁹, CCL11, DZZ⁺¹⁵, DK14, GCV⁺¹⁴, LCBF13, LYW⁺¹⁶, PIP18a, RWY⁺¹⁸, RWZ⁺¹⁹, SPR⁺¹⁰, WHCW19, ZTKX19]. **Tomogravity** [LGZY18]. **tomorrow** [MK16a, MK16b]. **tool** [AB19a, ABGMC19, AB21, BGMLS17,

FTH16, Ham17, MMAA19, MCG⁺¹⁵, NS17b, SB19b, SDST18]. **toolkit** [AAI⁺¹⁹, GMD19, ZYB⁺¹⁸]. **Tools** [CBS17, TBK⁺¹⁰, WRK⁺¹⁵, BRNR15, CAC⁺¹⁰, GLM⁺¹², KKvdB⁺¹⁷, SP18a]. **toolset** [PTD⁺¹⁸, Tao10]. **Top** [CCJ16, MLW^{+18a}, KMT14, MAD⁺¹⁶, TDBR18, ZYC14, RW18]. **Top-** [CCJ16, MLW^{+18a}, TDBR18, ZYC14, RW18]. **tophi** [YTQ19, YTQ20]. **Topic** [AK18a, SZD⁺¹⁷, KH19, LDS⁺¹⁸, LZJL19, NO19, WJS⁺¹⁸, ZZBP19, ZZJY16]. **topic-based** [KH19]. **Topic-oriented** [SZD⁺¹⁷]. **Topics** [FM17, PZY16, HO17, PPB16, PZY17]. **topological** [Bag19, SNXB17]. **topology** [AAD⁺¹³, LLpC12, LKTC14, PRC⁺¹⁴, SHRE16, XWJ⁺¹⁶, EMHE18]. **topology-aware** [PRC⁺¹⁴, SHRE16]. **Tor** [WLYL11]. **TOSCA** [SCJ^{+19a}, WBKL16]. **touch** [Alp18, GMCM16, GMCM18, PDW⁺¹¹]. **touchstroke** [Alp18]. **Tourism** [CT19c]. **Towns** [GMLGB⁺¹⁷]. **trace** [PD11]. **traceability** [Che18, WHS⁺¹⁸, XLL^{+19b}]. **Traceable** [LDZW19, QRW⁺¹⁸]. **Traceable-then-revocable** [LDZW19]. **Traceback** [JL14]. **traces** [DMMM11, PKB19]. **tracing** [ZLL⁺¹⁹, ZSBB19]. **track** [SSC⁺¹⁹]. **tracker** [MKS18]. **tracking** [CEP19a, FAMA⁺¹⁷, JHC18, LWX13, SLK17, WJS⁺¹⁸, WWTF18, YYD⁺¹⁴, ZBL⁺¹⁴]. **tracking-based** [JHC18]. **Trade** [DGCGH⁺¹⁷, BDA19, DMM14, GBS10, KCM19, PMBS14]. **Trade-off** [DGCGH⁺¹⁷, BDA19, GBS10, KCM19, PMBS14]. **trade-offs** [DMM14]. **traded** [VPT⁺¹⁰]. **Tradeoff** [JCL⁺¹⁹, GLD^{+19b}]. **tradeoffs** [KAEC⁺¹⁸]. **trading** [Che14, GFW⁺¹⁸, MVG⁺¹⁴, RT16]. **traditional** [GK18, QMSG12]. **Traffic** [AT18a, BLO⁺¹⁸, DK17, EMHE18, ACHP19, AC18, BMK^{+14b}, Che13a, CAL⁺¹⁸, CS19, FTK⁺¹⁴, FAMA⁺¹⁷, HH19, HZL18b, JBM⁺¹⁸, JH16, KXS⁺¹⁶, KLJS19, KBdLG18, LLZ⁺¹⁹, LDX19, LSL⁺¹⁵, LWT18, LLZ^{+18b}, LGZY18, LMCSE19, LFY⁺¹⁹, MG19, MRS18b, PGTBC18, RGSL18, SLH⁺¹⁹, SLY⁺¹⁹, Tur18, WLZ⁺¹⁶, WHBC19, WSY⁺¹⁹, XJZ⁺¹⁹, YCL⁺¹⁹, YSL19, ZCS⁺¹⁶, ZYK17, ZJW⁺¹⁴, ZMN19, ZWMC19]. **traffic-aware** [BMK^{+14b}, SLY⁺¹⁹]. **traffic-indexed** [LSL⁺¹⁵]. **Traffic-sensitive** [DK17]. **Train** [MK19a, MWL18a]. **training** [dLB10]. **trajectories** [CZXL18, NWD⁺¹⁸]. **Trajectory** [WMBV17, DHW⁺¹⁷, KXS⁺¹⁶, WSN18]. **transaction** [GXW⁺¹⁹, KJI11, KVvE18, LGW⁺¹⁷]. **Transactional** [WZ13, GAYTC18, LAL⁺¹⁴]. **transactions** [CLS^{+19b}, DR15, LAL⁺¹⁴, WLGL19]. **transbronchial** [BDS⁺¹⁰]. **transceivers** [ABS⁺¹⁸]. **transcription** [MMF16]. **Transfer** [AMSPL19, HKU⁺¹¹, KHJ10, KB16, LCL⁺¹⁹, LRYJ17, LSD11, LKFB18, MFL18, RSK16, RACA18, RLL⁺¹⁷, TZST14]. **transferability** [CLM^{+14a}]. **Transferring** [KLW⁺¹⁸]. **transfers** [DPBK16, LBM18, MWPVB12]. **transform** [BWR12, BW13, GHEB⁺¹⁸, GHEB⁺²³, NUPA19]. **transformation** [GHGP19, HQZH14, LZCX19, LZL⁺¹⁶, PKP19, SR19]. **transformations** [CJXX19, DGA18, LTZ15, SSFFR19]. **transformed** [SC19]. **transformed-domain-based** [SC19]. **Transforming** [PSK⁺¹⁰]. **Transient** [DRZ⁺¹⁹, AMR18, EA13]. **transit** [AHP16]. **transition** [GBY16, LXM⁺¹⁸]. **transitional** [KRZ12]. **transitions** [PM14]. **translation** [ABF^{+15a}, CGZL19]. **Transmission** [KESL17, WDW⁺¹⁹, YZZC19, BWR12, HMA^{+18a}, HYX⁺¹⁹, LLL⁺¹⁹, OSANAM19, PZA18, PWMX17, PLP⁺¹⁹, TZD⁺¹⁹,

YWL⁺¹⁷, ZZZC19]. **transmissions** [HSP⁺¹³]. **Transparent** [MSI⁺¹², DW11, GTMZ17, KKJJ10, MGLPPJ13, ZWW⁺¹³, vKvWD⁺¹³]. **transplanting** [XKJ⁺¹⁸]. **transport** [ZMN19]. **Transportation** [GCD⁺¹⁸, LNLA19, AAA⁺¹⁹, NWL17, PLP⁺¹⁹]. **transporting** [CHJS⁺¹⁰]. **travel** [BAKB19, JXZ⁺¹⁹, dSSCdL19]. **traveling** [DC19]. **travellers** [NWD⁺¹⁸]. **treatment** [Bo19, Bo20, GP11, WCWC19, WCWC20]. **tree** [AMM19a, BWR12, BW13, CD16, CH10, CLY14, GOBL16, HLL18, HHXL13, KMI11, LRMS19, TWW⁺¹⁸, WWQ⁺¹⁸, HCNT14, KK11, WTG⁺¹⁹, CZXL18]. **Tree-Rule** [HCNT14]. **tree-verified** [HHXL13]. **trees** [CLR16, CY12, CFL⁺¹⁸, EBCP18, PMK18]. **tremor** [AAN⁺¹⁸]. **trend** [PLA18]. **trending** [HO17, HAM18]. **trends** [AVPV17, CLCMG⁺¹⁸, GMP⁺¹⁸, HPP⁺¹⁸, KLH⁺¹⁸, TKR⁺¹⁵, VB18]. **Tri** [MBC⁺¹¹]. **Tri-continental** [MBC⁺¹¹]. **trial** [BRL19]. **Trident** [SB11]. **triggered** [KID⁺¹⁶]. **trip** [LSV⁺¹⁸, MG11, XCZ⁺¹⁹]. **triple** [GWW⁺¹⁹, ZZJ17]. **triple-constrain** [GWW⁺¹⁹]. **triple-way** [ZZJ17]. **TRIPOD** [Pip10]. **Triva** [SHN10]. **Trojan** [CLK11]. **trolleys** [MOFGP18]. **trouble** [XZZ⁺¹⁸]. **trucks** [PWP⁺¹⁸]. **TrueID** [HCL⁺¹⁷]. **TruGRC** [WLL^{+19b}]. **TruSMS** [CYZK15]. **Trust** [AWYJ16, ABTA18, EKSDN19, ECPF17b, KGS⁺¹⁹, SS17, WLL^{+19b}, WCVL12, YDNV16, AGR19, ACL⁺¹⁸, AZO⁺¹⁹, AM10, CYZK15, FMRS18, GL19, GVdBdL15, HA19, JWW14, KZA⁺¹⁸, LLW^{+19b}, LMM19, MML⁺¹⁸, MG16, MPR⁺¹⁶, NV11, NJ16, PVGD⁺¹⁹, SYJA19, SSRQ19, SCL14, SRKS18, TDLC17, TAHS14, TY11, TQL⁺¹⁹, WW11, ZYK17, ZZF18, ZSS⁺¹⁸, TY11]. **Trust-Aware** [WLL^{+19b}, AGR19, MPR⁺¹⁶]. **trust-based** [MML⁺¹⁸]. **trust-driven** [NJ16]. **trustable** [CCCT14]. **Trusted** [BCP18, XZ11, CWJ16, ED19, HLN11, JWW14, KuRAk⁺¹⁸, NV11, WW11, ZZL⁺¹⁰, ZZQ⁺¹³]. **Trusting** [Lee12]. **trustless** [KGS⁺¹⁹]. **Trustworthiness** [ABTA18, SZ12, CFGM16, LHX⁺¹⁸, SS17, ZG18]. **Trustworthy** [DLMS15, YLVY15, CYZK15, FY19, ZWGC19]. **truth** [ZZX⁺¹⁹]. **truthful** [DWJM18]. **Tsallis** [RDSA18]. **TSH** [WWG^{+19b}]. **Tubular** [QXZ⁺¹⁹]. **tumor** [ASYF18, JLC⁺²⁰, YWG⁺¹⁹, YWG⁺²⁰, YPJ19]. **tumour** [KMB⁺¹⁷]. **tunable** [NUPA19]. **tunable-Q** [NUPA19]. **tuner** [vW19, vW19]. **Tuning** [JLRS18, CQW⁺¹⁹, EBCP18, LCL⁺¹⁸, RSJ⁺¹⁴, Tao10, TCCC11, WLH16]. **tuple** [BR18]. **Turbo** [XRPT18]. **turnaround** [CRTN17]. **TV** [LCH⁺¹¹]. **tweets** [DFG⁺¹⁹]. **Twister4Azure** [GZWQ13]. **Twitter** [AAYL19, BOHCC17, CWZ⁺¹⁷, LCGPC19, SCZ⁺¹⁹]. **Two** [DST14, ED19, GDAS18, JLI⁺¹³, LW19, LIH⁺¹⁹, TTB⁺¹³, Tso19, YG18, YDNV16, AWN⁺¹³, CHS11, CCD⁺¹⁰, CHY⁺¹⁸, EMHE18, GS13, HZW19, HZ19, MTD18, OMPSPL⁺¹⁹, PM14, QZD⁺¹⁸, QPTGG⁺¹², SJL⁺¹⁷, TJ18, WWX⁺¹⁷, WZF⁺¹⁹, WH19, WLS⁺¹⁸, YPCK12, YCH19, ZGV19]. **two-agent** [WWX⁺¹⁷]. **Two-dimensional** [GDAS18, HZW19, PM14, SJL⁺¹⁷, YPCK12]. **Two-factor** [ED19, LW19, WLS⁺¹⁸]. **Two-in-one** [Tso19]. **two-layer** [TJ18]. **Two-level** [JLI⁺¹³, CCD⁺¹⁰, CHY⁺¹⁸, EMHE18, MTD18, QPTGG⁺¹²]. **two-parallel-branch** [WZF⁺¹⁹]. **two-phase** [HZ19, WH19]. **two-stage** [QZD⁺¹⁸]. **Two-way** [YG18, YCH19]. **twofold** [LDJL19]. **TXOP** [HMW14]. **type** [GGH⁺¹⁹, IS18, JLS19]. **type-2** [IS18]. **types** [SW17, YH18]. **u** [Kim14, SLH⁺¹⁹]. **u-healthcare** [Kim14]. **UASNs** [KKN18]. **UAV** [HLL⁺¹⁹, SGRT19, UKK⁺¹⁹, YYW⁺¹⁹].

UAV-enabled [UKK⁺19]. **uBaaS** [LXL⁺19]. **Ubiquitous** [ADALZ14, YGS16, AK19, ADLW12, CFPC17, Lok12, OdI14, Pal13, PPB16, QMCX19, VFHB14, WQ14]. **UDP** [CHJS⁺10, LBM18]. **UGV** [ZDL⁺19]. **UHF** [ABS⁺18, BGC19b]. **UHF-RFID** [BGC19b]. **ultra** [GSC⁺19, PDW⁺11]. **ultra-high-resolution** [PDW⁺11]. **ultra-reliable** [GSC⁺19]. **ultrasound** [DNW⁺19, YTQ19, YTQ20]. **unbiased** [Bag19]. **uncanny** [CPMG19]. **Uncertain** [BN17, AMM⁺19b, CAL⁺18, CLM14b, LY17]. **uncertainty** [CVT19, CAPG18, DM12, FZT⁺18, HFL⁺19, Kol18, LPBB⁺18, FW19]. **uncompressed** [BD18, HKU⁺11]. **uncorrelated** [MSM⁺18b]. **Under-fitting** [MK19a]. **understand** [Eng14]. **Understanding** [KC19b, LG16a, LO19, SEMJ11, DM12, LMZ⁺14, NJ18]. **underutilized** [KHG13]. **underwater** [CJG⁺18, LSZ⁺16, LLU⁺18]. **undo** [LHCC18, LHY⁺19]. **Unfolding** [DFLO17, SSLF⁺10]. **unforgeability** [SCZ⁺14]. **Unicode** [RM16]. **UNICORE** [BBvdB⁺11]. **Unicorn** [XWZ⁺19]. **unification** [BBH18, FLN⁺18]. **Unified** [MWMA10, XWZ⁺19, DJ13, HIA18a, HNQ⁺18, LXL⁺19, MRT⁺19, RSRA18, WZF⁺19, dOWdAS⁺18, WG13]. **uniform** [CJ14, MZD⁺16, ZCLW18]. **Unifying** [XFTZ16]. **Unikernel** [WMJW18]. **Union** [WH19, HXWW18, OB19]. **Unit** [RCW⁺19, MCSA18, PAB⁺14]. **units** [GXW⁺19]. **Universal** [RACA18]. **unlicensed** [SLH⁺19]. **unmanned** [MND⁺19]. **Unobtrusive** [AKM18]. **unpredictability** [YZW⁺18, ZZZC19]. **unpredictability-based** [YZW⁺18]. **unpredictable** [ACBM15]. **unresectable** [ZMZ⁺19, ZMZ⁺20]. **Unsharp** [BMU18]. **unstable** [YZC⁺19]. **unstructured** [AR15, CEP19b, JTL⁺19, WW13]. **Unsupervised** [QCZH19, SCLC19, FGM11]. **untraceability** [YHL16]. **unwanted** [ZYG17]. **UOV** [YN18]. **update** [FS18, GZQ⁺19, LTC12, LYY⁺18, LGP⁺19, MCRB19, PWMX17, ZCL⁺18]. **updates** [Kol18, LPY⁺18, SL19]. **Updating** [QCYJ17, LYL⁺19, WCM⁺19, ZDW⁺18]. **Uploading** [CSQL17]. **upon** [PLLA18]. **upstream** [WLP10]. **Urban** [BAJ⁺19, KXS⁺16, ATM⁺19, BA17, GACM17, LSV⁺18, SSFFR19, SAG19, Tur18]. **Urgent** [BKB18b, BBWB⁺18, KNI⁺18, KKS⁺18a, LPK17, LPK18]. **URL** [LYS⁺19, LYC⁺19]. **usability** [APRC16, GMM18]. **Usage** [CDL⁺16, EH10, JOPW14, KPJ19, MM10, MWMA10, RGAT18]. **USB** [CLK11]. **USB-based** [CLK11]. **Use** [MCR⁺16, Pip10, AR18, BSE⁺13, CGCB⁺12, CT19c, JCA⁺19, KMZJ16, MRT⁺19, PPG19, VHML11, VFHB14, WWA19, vdPGZ⁺16]. **used** [KMU19]. **USEE** [MZD⁺16]. **useful** [RCW⁺19]. **User** [AKB18b, LJW⁺19b, PNZ14, SZK18, WZM⁺18, YHH⁺19, ZWJ19b, vKvWD⁺13, ABZK15, ACL⁺18, AMQS⁺19, APK⁺18, BCN⁺19, BDWM17, àCKPM19, CFGM16, CHS11, DEL19, DLLZ17, DGGH11, DMM⁺18, DYC⁺18, DGdL15, EKGS14, FK11, FTK17, FTD17, GGH⁺19, HCL⁺17, JRJ⁺11, JXZ⁺19, KZA⁺18, KJI11, KID⁺16, KKP19, KGLY18, KLW⁺16, LZP⁺18, LJY10, LH13b, LLW⁺12b, LLGY18, LASL16, LXZ⁺18, LWZ⁺19b, MCRB19, MBL⁺19, MLBS11, OAMS18, PLA18, PARMF14, PQBP17, PIP18a, PDW⁺11, QGT⁺18, RHH⁺19, RAA⁺18, RRH16, SBCF16, SSA⁺19, SRP19, SCN⁺14, SHH⁺19, SSC⁺19, WTG⁺14, WMQ⁺16, WSN18, WDKV19, WMA18, YAO14, YHL16, ZDL⁺13, ZLZ13, ZXZL18, ZCZ⁺18, dACNC16]. **user-based** [WMA18]. **User-centric** [SZK18, ACL⁺18, DMM⁺18, DGdL15, PIP18a, QGT⁺18]. **user-defined** [KJI11]. **user-generated** [DGGH11]. **user-level** [MLBS11, ZLZ13]. **user-orientated** [ZDL⁺13]. **users** [GCD⁺18, IG12, JBR⁺16, Lok12, SCZ⁺19,

SCH⁺¹⁷, VGD⁺¹⁹, YD18]. **Using** [CPP⁺¹⁸, Che13b, CdSDS15, DBS14, Eng14, FDGR14, FMRS18, GTEL⁺¹⁸, GRZ⁺¹⁹, GMdFPLC17, GJKP18, HPGMM18, HGM15, KGdL11, KKL11, KKA18, LTN10, LFH⁺¹⁵, OAMS18, PCC18, RMSPP17, RWV⁺¹³, RMCMD12, SA19, STC15, VFHB14, ZBF14, dSFD⁺¹⁹, AD18, AAN⁺¹⁸, AsRA⁺¹⁹, AFO⁺¹⁸, AdI14, ABD⁺¹⁹, ATF11, AQAR⁺¹⁸, ASAAM⁺¹⁹, ArMS19, AEK⁺¹⁸, AHM⁺¹⁸, APK⁺¹⁸, AB19c, AMPS19, AIB⁺¹⁸, AKM18, ASA19, AEM10, AY16, BTG19, BK19, BA17, BAJ⁺¹⁹, BDE17, BG12, BLL⁺¹⁹, BDP11a, BGI14, BDA19, BYL⁺¹⁸, BBC⁺¹², BR19, BTP19, BMK^{+14b}, BDG⁺¹⁹, BMP⁺¹⁶, CT19b, CJPC19, CMX⁺¹⁶, CWJD19, CLAL19, CSdCM⁺¹⁷, CHJS⁺¹⁰, CHSA18, CY12, CPW19, CH10, CFL⁺¹⁵, CLY14, CHS11, CWJ16, Che18, COC10, CXC⁺¹⁸, CTU19, CJK⁺¹⁸, CRC⁺¹⁹, CSQL17, DRZ⁺¹⁹, DNJG17, DP19, DP20, DP21a, DP21b, DLL⁺¹⁹, DC18a, DMM14, DNP14, EU19, ECPF17b, FEÁ19, FLT17]. **using** [FZW⁺¹⁸, FJA⁺¹⁸, FdAGdAFV19, FJ18, FZT⁺¹⁸, FAMA⁺¹⁷, FFPS10, FS19, FCD⁺¹⁴, GQLX18, GXW⁺¹⁹, GHGP19, GJGB19, GHP⁺¹⁸, GHEB⁺¹⁸, GHEB⁺²³, GBY16, GVA⁺¹⁶, GCV⁺¹⁴, GM11, GRS⁺¹⁹, GMB19, GZWQ13, Ham19, HJA⁺¹⁹, HSV⁺¹⁷, HUMA18, HCNT14, HSB⁺¹⁸, HMA18b, HYX⁺¹⁹, HNQ⁺¹⁸, HXY13, HBN⁺¹³, HZLH19, HKP10, IDM⁺¹⁶, JGFB18, JGB19, JP18, JH16, JHC18, JL14, JNR12, JOSD19, KR19, KHG13, KMB⁺¹⁷, KMI11, KADJ14, KHO⁺¹⁹, KBdLG18, KFK19, KVHT10, KCH⁺¹³, KLV⁺¹⁸, KS18d, KS18c, KLV⁺¹⁶, LC17, LQK⁺¹⁶, LY17, LY18a, LYJ10, LZXW13, LXL⁺¹⁷, LJJ18, LLWW18, LYC⁺¹⁹, LD17, LH13b, LLCF11, Lin18, LAH10, LSD11, LLY18, LLZ^{+18b}, LJW^{+19a}, LMM19, LSW⁺¹⁹, LYW⁺¹⁶, LLU⁺¹⁸, LKTC14, LJW^{+19b}, LTZ15, MLL15, MWL18a, MSS⁺¹³, MJM⁺¹⁶, MK17, MBM18, MVG18, MDB^{+18a}, Mat18, MSBA16, MRH17, MKM11, MDD15, MGA⁺¹⁸, MGLPPJ13, MBA19, MSM^{+18b}, MRN19, NK18]. **using** [NNC⁺¹⁹, NUPA19, NAAC19, OMKM⁺¹⁹, OMD⁺¹⁸, PZC19, PSI19, PSLZ18, PC18a, PPPS18, Pon19, PRW14, PDDS10, QGX18, QGT⁺¹⁸, RBGA18, RRKA19, RJN⁺¹⁹, RLP12, RTHB17, RSK16, RS16, RAA⁺¹⁹, RGC⁺¹⁰, RKB18, RS17b, SCL18, SPT⁺¹⁸, SC19, SB19a, SF19, SAGGB17, SPdSR⁺¹⁷, SMRM13, ST11, SLK17, SSA⁺¹⁹, SEHS19, SMS14a, SPR⁺¹⁰, SGM11, STB⁺¹⁹, SB18, SKS⁺¹⁸, SAR18b, SSL13, SCMS12, dSSCdL19, SHH⁺¹⁹, SKS17, SJV12, SSB13, SJSA19, TBS⁺¹⁸, TZQ18, TM19, TF17, TKA18b, TV16, TSB18, TCH19, UMUB19, VS13, VS19, VSKS19, WLZ⁺¹⁴, WMX⁺¹⁷, WCB⁺¹⁸, WCM⁺¹⁹, WNR19, WY19, WMC19, WMA⁺¹⁹, WBKL16, WLA18a, WCC14, WTS14, WLS⁺¹⁸, WLRL18, XLZ⁺¹⁴, YWJ⁺¹⁹, YWJ⁺¹⁸, YLG⁺¹⁶, YSL19, YCZJ18, YWF⁺¹⁰, YK17, ZG19, ZGZ⁺¹⁰, ZLZ13, ZWL⁺¹⁶, ZXW⁺¹⁸, ZGV19, ZZ19, ZZJY16, ZAC⁺¹⁸, ZZS⁺¹⁹, Zin18, dFPFG19, vWMBS14]. **uterine** [PSI19]. **Utility** [Pal16, PdAF12, ACHP19, BB12, FP13, GLD^{+19b}, HIA18a, MPR⁺¹⁶, NK17, RZ16, XY15, YVCB10, YK17, YNLY19, ZLL17a, GBS10]. **Utility-driven** [PdAF12]. **utility-privacy** [GLD^{+19b}]. **utilization** [GXL⁺¹⁸, LLC^{+14b}, MDB^{+18a}, RSJ⁺¹⁴, TCH19]. **Utilizing** [GVI13, CZL^{+18a}, HFM19, SK19].

v1.1 [MCF⁺¹¹]. **V2** [CCL11]. **V2I** [SAH19]. **vaccination** [BOHCC17]. **Validation** [GHGP19, ZYA⁺¹⁸]. **validations** [DC17]. **valley** [CPMG19]. **Value** [ACHP19, BT17, HA16, WBR19, GAYTC18, HPZL18, VVB11, WHZ19]. **Value-based** [ACHP19, WBR19, VVB11]. **valued** [MZH⁺¹⁷]. **VANET** [HHZ19, SBK18]. **VANETs** [IOV⁺¹⁸, LWYS18, PRL⁺¹⁹,

ROK19, SAH19, TA18]. **variability** [ASB18, HJA⁺19]. **Variable** [SCCS11, DRZ⁺19, FZT⁺18]. **Variable-sized** [SCCS11]. **variant** [ZXWA18]. **variants** [AAYL19]. **variation** [BBI13]. **various** [DGA18, JOPW14]. **varying** [Li15]. **vault** [KHMB13, RHH⁺16]. **VCPU** [WCC⁺16]. **VDB** [YWF⁺10]. **VDC** [SLB⁺17]. **Vector** [CCZ⁺19, CLY14, HAA⁺16, KI19, ZZ15, ZWL⁺16]. **Vehicle** [SAH19, DJH⁺19, LLL⁺19, TLL⁺19, XHW19, XZZ⁺19, HLL⁺19]. **Vehicle-Assisted** [HLL⁺19]. **vehicle-to-infrastructure** [XHW19]. **Vehicle-to-Internet** [SAH19]. **vehicle-to-vehicle** [DJH⁺19]. **vehicles** [KMJ18, MND⁺19, HAJ⁺19, JBM⁺18, KLMB19, KLJS19, LWZ⁺19a, LXF19, NLS19, WDW⁺19, XXQ⁺19]. **Vehicular** [KMJ18, KIMR15, RQN⁺19, WSQ⁺18, BK16, FW19, LZY⁺19a, LLYW19, LLW⁺19b, NLLC19, SGGCR⁺16, VCD⁺18, WLZ⁺16, WSZC18, ZTKX19, LWW⁺16]. **vein** [LWF⁺17]. **vending** [SDDG17]. **ventricular** [AFO⁺18, DNW⁺19]. **Verifiable** [ABH18, CZZ⁺18, LLL⁺18, NJB19, WCL⁺17a, WLXZ18, ZZ15]. **Verification** [KYZ19, BK19, CY12, CWUS19, CMVA18, DL19, EPB18, FLT⁺19, LPMY18, LYZC15, LEW19, MKM11, NSR⁺19, ZDM⁺19, ZW10]. **verified** [HKA⁺18, HHXL13]. **Verifying** [AH11]. **versatile** [SBD⁺18, ZWX⁺19]. **version** [QCYJ17, ZDW⁺16]. **versioned** [ED16]. **versioning** [HDO16]. **versus** [FLN⁺18, MGMT18]. **vertebroplasty** [WWP19, WWP20]. **vertex** [WMC19]. **vertical** [FJL⁺16, KAEC⁺18, LLF⁺18b, MCdA16]. **vertices** [LXM⁺18, WCM⁺19]. **very** [CWJ⁺18b]. **VHT** [MYBMM18]. **via** [ATA19, AkBAL⁺19, AS18b, BBH18, BBCN18, CZL⁺18a, CZY⁺19, CWUS19, DH16, DLS14, DGA18, FBM19, GCBM17, GDP⁺18, GLD⁺19a, GJF⁺12, GDAS18, JHC10, LZT⁺19, LLSL18, LEW19, MZH⁺17, MBC⁺11, MYK16, NS19, QCYJ17, RGM⁺19, SC16, SYJA19, SAG19, WZW⁺19a, WJLW18, XFTZ16, XLL⁺18a, YHH⁺19]. **viability** [dACAM13]. **VIALACTEA** [SVB⁺19]. **Victoria** [PWB⁺13]. **Video** [TWZP18, DQXW19, GGH⁺19, HKU⁺11, HSP⁺13, HMA⁺18a, JLCC12, KWK16, KSK⁺11, KSW⁺13, KHO⁺19, LYS12, LYXT14, MYK16, PSPP16, SKF⁺11, TZD⁺19, YARH18]. **videos** [HWWT12, SLTK19]. **VIDIA** [SG19]. **view** [AD18, BTP19, DCMB15, LYS12, LTZ15, QCZH19, ZTC⁺19]. **viewpoint** [PD11]. **violation** [HHS⁺18, OWX19, XWL⁺18, ZAC⁺18]. **violations** [ENC⁺12, NJH⁺18, NHH⁺19]. **Viper** [WPGN⁺18]. **Virtual** [ACC⁺19c, BCF⁺10, CFVP12, DK17, LYYY17, LPBB⁺18, MG10, RCTY19, SSFFR19, SBP⁺17, WLL⁺19b, ZLL⁺16, AD19, ADA⁺19, ABF⁺15a, ALM⁺10, AAM⁺16, AS14, BJ12, BOWD⁺19, CGN18, CRM⁺16, CRC13, CNR19, dCCDFdO15, DJZ⁺15, DPBK16, DEG⁺17, DQLW15, DCMW17, FBM19, GVI13, GCV⁺14, GGH⁺19, HMH17, HZZ⁺14, HH19, HSC15, HHZ16, JNR12, JDW⁺14, KSSG16, KTKN11, KCS14, LJS17, Li10, LJLW13, LYYY18, LLF⁺18a, LLWW18, LFHQ19, LXRS19, LLZ⁺19, LLS⁺19, LJY10, LJL12, LSYC18, LC13, LSW⁺19, Man15, MRT⁺19, MK19b, MFG⁺14, MROD10, NWT19, PFPJ18, Pon19, RMHMG17, SS13, SB14, SDWS13, SHLJ13, SMSF18, SAK⁺10, SYAL13, SLA⁺16, SLZ⁺18, TMMVL12, UZ11, VVB13b, WQG15, WTM⁺17, WY19, XJWW15, XWX⁺17, YLHJ14, YPLZ17, YWF⁺10, ZYZ⁺18, ZCS⁺16, ZWHC17, ZHHC17, ZFY18, ZZZ17, ZZL⁺10, HLCL16, LWW⁺13]. **virtual-to-physical** [ABF⁺15a]. **virtualization** [CMG⁺19, FJKK17, KKB14, LLW⁺12a,

LCL14, MG19, MSI⁺¹², SVN^{+10a}, SWW⁺¹⁸, VOS12, WCC⁺¹⁶, YCL⁺¹⁹, ZLZ13, MCJ19].

Virtualized
[BB17, ASB18, BdM11, BBC⁺¹², CP17, FNCR11, GKW⁺¹², GBF⁺¹², GSP⁺¹⁷, JLI⁺¹³, JK17, LC13, PPL⁺¹⁵, TTB⁺¹³].

virus [LFL⁺¹⁷]. **VisGenome** [JHC10].

Visibility [BHE⁺¹⁹]. **Visible** [PCK19].

Vision [AUSA19, GMLGB⁺¹⁷, GBMP13].

Visual [DM12, ADLM18, BCD⁺¹⁸, HHZ16, LSZ⁺¹⁸, LDX19, LYXT14, MSM^{+18b}, PC17, PKA19, XJY⁺¹⁸]. **Visualization** [YDK11, MID16, NOF18, OPO13, ODC19, SHN10, WCKW10]. **visualizations** [Gra15].

Visualizing
[BAPS14, GRMSOG18, PDK10]. **vital** [HYC⁺¹⁸, XKBA18]. **vitality** [LFL⁺¹⁷].

vivo [WXZ^{+18a}]. **VLBI** [CHJS⁺¹⁰, WWD⁺¹⁴]. **VLBI-UDP** [CHJS⁺¹⁰]. **VM** [AB16, CJHH13, CFF14, FCY18, HZW⁺¹⁶, JFZL17, KSF⁺¹³, MYW⁺¹⁹, STMV18, SSSJ19a, SE19, WLA18a, YZLQ14, YLJL18, ZZJ17].

VM-scaling [AB16]. **VMI** [LLF^{+18a}].

VMM [AD18]. **VMP** [JNR12]. **VMs** [KMT14, SEPV19]. **VNF** [CYW⁺¹⁹].

vocabulary [LYXT14]. **vocal** [AHMS18].

VoD [LJY12]. **VoIP** [Che13a]. **volatile** [CCL11]. **volatility** [Lin18]. **voltage** [LG16b, WWZC19]. **volumes** [WHMO13].

volunteer [ALFR16, CGCB⁺¹², CMT16, CCCT14, GDJ⁺¹³, GJ15, JCA⁺¹⁹, KJ12, KMV⁺¹⁵, MKK13, PdASM18, SG13].

Voronoi [STA17a, WZW^{+19a}].

Voronoi-based [STA17a]. **VOs** [VKK14].

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Abdel-Basset:2022:RNT

[ABMMC22]

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[ACC+19b]

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Assante:2019:GSD

[ACC+19c]

Massimiliano Assante, Leonardo Candela, Donatella Castelli, Roberto Cirillo, Gianpaolo Coro, Luca Frosini, Lucio Lelii, Francesco Mangiacrapa, Valentina Marioli, Pasquale Pagano, Giancarlo Panichi, Costantino Perciante, and Fabio Sinibaldi. The gCube system: Delivering virtual research environments as-a-service. *Future Generation* [ACD+19]

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Bo:2020:RNA

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Xiaodao Chen, Junqing Fan, Qing He, Yuewei Wang, Dongbo Liu, and Shiyan Hu. Economical and balanced production in smart petroleum cyber-physical system. *Future Generation Computer Systems*, 95(??): 364–371, June 2019. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X17312062>
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Castano:2019:LCS

[CFM19]

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- [CGSV17] **Cicirelli:2017:EBP**
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Din:2020:ESH

[DP20]

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Din:2021:RNE

[DP21a]

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- [DQC⁺19] **D’Agostino:2019:SBC**
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Das:2019:DML

Babak Nouhi, Jonathan Lish, and James Martel. Distributed machine learning cloud teleophthalmology IoT for predicting AMD disease progression. *Future Generation Computer Systems*, 93(??):486–498, April 2019. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0167739X18317941> [dRRR+18]

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[dSK⁺19]

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Devi:2019:HMI

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[EBCP18]

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Sun:2019:CBM

[SCH+19]

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Stefanic:2019:SFL

[SCJ+19a]

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Stefanic:2019:SWN

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- Shen:2018:LML**
- Jian Shen, Shaohua Chang, Jun Shen, Qi Liu, and Xingming Sun. A lightweight multi-layer authentication protocol for wireless body area networks. *Future Generation Computer Systems*, 78 (part 3)(?):956–963, January 2018. CODEN

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- [SCZ+14] Jinshu Su, Dan Cao, Baokang Zhao, Xiaofeng Wang, and Ilsun You. ePASS: an expressive attribute-based signature scheme with privacy and an unforgeability guarantee for the Internet of Things. *Future Generation Computer Systems*, 33(??):11–18, April 2014. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X13002331> [SDC11]
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739X (print), 1872-7115 (electronic).

Solano:2017:SVM

[SDDG17]

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Sperhac:2019:MCG

[SDF⁺19]

Jeanette M. Sperhac, Robert L. DeLeon, Thomas R. Furlani, Steven M. Gallo, Martins Innus, Matthew D. Jones, Jeffrey T. Palmer, Abani Patra, Benjamin D. Plessinger, Ryan Rathsam, Nikolay Simakov, Joseph P. White, Rudra Chakraborty, and Gregory Dean. Managing computational gateway resources with XDMoD. *Future Generation Computer Systems*, 98(??):154–166, September 2019. CODEN FG-SEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X18310732> [SDST18]

Sun:2019:FCS

[SDH⁺19]

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Srinivas:2019:GRC

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- [SDWS13] **Sarwar:2013:TVR**
 Muhammad S. Sarwar, T. Doherty, J. Watt, and Richard O. Sinnott. Towards a virtual research environment for language and literature researchers. *Future Generation Computer Systems*, 29(2):549–559, February 2013. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X12000805> █ [SEMJ11]
- [SE19] **Sivagami:2019:IDF**
 V. M. Sivagami and K. S. Easwarakumar. An improved dynamic fault tolerant management algorithm during VM migration in cloud data center. *Future Generation Computer Systems*, 98(??):35–43, September 2019. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X18324208> █ [Shahmoradi:2019:MOC]
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 M. R. Shahmoradi, M. Ebrahimi, Z. Heshmati, and M. Salehi. Multilayer overlapping community detection using multi-objective optimization. *Future Generation Computer Systems*, 101(??):221–235, December 2019. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X19301578> █
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- [SFR15] Anthony Simonet, Gilles Fedak, and Matei Ripeanu. Active data: a programming model to manage data life cycle across heterogeneous systems and infrastructures. *Future Generation Computer Systems*, 53(??):25–42, December 2015. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X15001995> **Smaoui:2013:IVC**
- Malek Smaoui and Marc Garbey. Improving volunteer computing scheduling for evolutionary algorithms. *Future Generation Computer Systems*, 29(1):1–14, January 2013. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X12000921> **Somasundaram:2014:CFS**
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Ricky J. Sethi and Yolanda Gil. Scientific workflows in data analysis: Bridging expertise across multiple domains. *Future Generation Computer Systems*, 75(??):256–270, October 2017. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X17300195> ■
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Amritpal Singh, Sahil Garg, Shalini Batra, and Neeraj Kumar. Probabilistic data structure-based community detection and storage scheme in online social networks. *Future Generation Computer Systems*, 94(??):173–184, May 2019. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X17310300> ■
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Jian sheng Guan, Shao bo Kang, and Yuan Sun. Medical image fusion algorithm based on multi-resolution analysis coupling approximate sparse representation. *Future Generation Computer Systems*, 98(??):201–207, September 2019. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X18326396> ■

Sanchez-Garcia:2016:SSA

[SGGCR+16]

J. Sánchez-García, J. M. García-Campos, D. G. Reina, S. L. Toral, and F. Barrero. On-siteDriverID: a secure authentication scheme based on Spanish eID cards for vehicular ad hoc networks. *Future Generation Computer Systems*, 64(??):50–60, November 2016. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X16301121>

[SGL+19]

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Sun:2019:SRA

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Singh:2018:NCE

[SGJ18]

Vishakha Singh, Indrajeet Gupta, and Prasanta K. Jana. A novel cost-efficient approach for deadline-constrained workflow scheduling by dynamic provisioning of resources. *Future Generation Computer Systems*, 79 (part 1)(?):95–110, 2018. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0167739X17307264>

[SGM11]

Simmhan:2011:SST

Yogesh Simmhan, Paul Groth, and Luc Moreau. Special section: The third provenance challenge on using the open provenance model for interoperability. *Future Generation Computer Systems*, 27(6):737–742, June 2011. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic).

Secretan:2010:AAP

[SGKC10]

Jimmy Secretan, Michael Georgiopoulos, Anna Koufakou, and Kel Cardona. APHID: An architecture for private, high-performance integrated

[SGN+17]

Shuja:2017:CAE

Junaid Shuja, Abdullah Gani, Anjum Naveed, Ejaz Ahmed, and Ching-Hsien Hsu. Case of ARM em-

- ulation optimization for offloading mechanisms in Mobile Cloud Computing. *Future Generation Computer Systems*, 76(??):407–417, November 2017. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X16301558> [SH19]
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J. Sánchez-García, D. G. Reina, and S. L. Toral. A distributed PSO-based exploration algorithm for a UAV network assisting a disaster scenario. *Future Generation Computer Systems*, 90(??):129–148, January 2019. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X18303649> [Sha16]
- [SGS+18] **Song:2018:QFS**
Jun Song, Kun Gao, Xinyang Shen, Xiaotian Qi, Rui Liu, and Kim-Kwang Raymond Choo. QR Fence: a flexible and scalable QR link security detection framework for Android devices. *Future Generation Computer Systems*, 88(??):663–674, November 2018. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X16000054> [SHBP10]
- Silva:2019:MOI**
Bhagya Nathali Silva and Kijun Han. Mutation operator integrated ant colony optimization based domestic appliance scheduling for lucrative demand side management. *Future Generation Computer Systems*, 100(??):557–568, November 2019. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X19301141> [Sharma:2016:ECP]
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- Manuel Salvadores, Pilar Herrero, José Luis Bosque, and María S. Pérez. A semantic collaborative awareness model to deal with resource sharing in grids. *Future Generation Computer Systems*, 26(2):276–280, February 2010.

CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic).

Somrak:2019:EVS

[SHH⁺19]

Andrej Somrak, Iztok Humar, M. Shamim Hossain, Mohammed F. Alhamid, M. Anwar Hossain, and Jože Guna. Estimating VR sickness and user experience using different HMD technologies: an evaluation study. *Future Generation Computer Systems*, 94(??): 302–316, May 2019. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X18325044>

Spencer:2010:RED

[SHJS⁺10]

R. E. Spencer, R. Hughes-Jones, M. Strong, S. Casey, A. Rushton, P. Burgess, S. Kershaw, and C. Greenwood. The role of ESLEA in the development of eVLBI. *Future Generation Computer Systems*, 26(1):111–119, January 2010. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic).

Shi:2019:AMW

[SHL⁺19a]

Guolong Shi, Yigang He, Bing Li, Lei Zuo, Baiqiang Yin, Wenbo Zeng, and Farhan Ali. Analysis and modeling of wireless channel characteristics for In-

ternet of Things scene based on geometric features. *Future Generation Computer Systems*, 101(??):492–501, December 2019. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X19300470>

Sun:2019:TTR

[SHL⁺19b]

Penghao Sun, Yuxiang Hu, Julong Lan, Le Tian, and Min Chen. TIDE: Time-relevant deep reinforcement learning for routing optimization. *Future Generation Computer Systems*, 99(??):401–409, October 2019. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X19305424>

Shao:2013:VOS

[SHLJ13]

Zhiyuan Shao, Ligang He, Zhiqiang Lu, and Hai Jin. VSA: an offline scheduling analyzer for Xen virtual machine monitor. *Future Generation Computer Systems*, 29(8):2067–2076, October 2013. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X12002245>

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 Lucas Mello Schnorr, Guillaume Huard, and Philippe O. A. Navaux. Triva: Interactive 3D visualization for performance analysis of parallel applications. *Future Generation Computer Systems*, 26(3):348–358, March 2010. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X15003039> ■
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 Julio Sahuquillo, Houcine Hassan, Salvador Petit, José Luis March, and José Duato. A dynamic execution time estimation model to save energy in heterogeneous multicores running periodic tasks. *Future Generation Computer Systems*, 56(??):211–219, March 2016. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X15002216> ■
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 Mina Sedaghat, Francisco Hernández-Rodríguez, and Erik Elmroth. Decentralized cloud datacenter reconsolidation through emergent and topology-aware behavior. *Future Generation Computer Systems*, 56(??):51–63, March 2016. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X15002216> ■
- [SHS+19] **Sanin:2019:EBK**
 Cesar Sanin, Zhang Haoxi, Imran Shafiq, Md Maqbool Waris, Caterine Silva de Oliveira, and Edward Szczerbicki. Experience based knowledge representation for Internet of Things and cyber physical systems with case studies. *Future Generation Computer Systems*, 92(??):604–616, March 2019. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <https://www.sciencedirect.com/science/article/pii/S0167739X17316965> ■
- [SI18] **Shah:2018:PCI**
 Syed Ali Raza Shah and Biju Issac. Performance comparison of intrusion detection systems and application of machine learning to Snort system. *Future Generation Computer Systems*, 80(??):157–170, March 2018. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X17323178> ■

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- [SIL+13] **Smachat:2013:SPS** Sucha Smachat, Maria Indrawan, Sea Ling, Colin Enticott, and David Abramson. Scheduling parameter sweep workflow in the Grid based on resource competition. *Future Generation Computer Systems*, 29(5):1164–1183, July 2013. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X13000198> [SJ14]
- [Sip12] **Sipos:2012:PCW** Gergely Sipos. Protecting the consistency of workflow applications in collaborative development environments. *Future Generation Computer Systems*, 28(3):500–512, March 2012. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X11001695> [SJ18]
- Sanchez-Iborra:2018:EIN** Ramon Sanchez-Iborra, Jesus Sanchez-Gomez, and Antonio Skarmeta. Evolving IoT networks by the confluence of MEC and LP-WAN paradigms. *Future Generation Computer Systems*, 88(??):199–208, November 2018. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X17324159>
- Saginbekov:2014:ECD** Sain Saginbekov and Arshad Jhumka. Efficient code dissemination in wireless sensor networks. *Future Generation Computer Systems*, 39(??):111–119, October 2014. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X13002720>
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Sciacca:2019:VSG

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Costa, Akos Hajnal, Peter Kacsuk, Zoltan Farkas, Istvan Marton, Sergio Molinari, Anna Maria Di Giorgio, Eugenio Schisano, Scige John Liu, Davide Elia, Stefano Cavuoti, Giuseppe Riccio, and Massimo Brescia. VIALACTEA science gateway for Milky Way analysis. *Future Generation Computer Systems*, 94(??):947–956, May 2019. CODEN FGSEVI. ISSN 0167-739X (print), 1872-7115 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0167739X17309561>

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Sheikhalishahi:2016:MDJ

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