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Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: https://www.math.utah.edu/~beebe/

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(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].

***** [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].

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** [RGCCL18]. **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, LZXW13, 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, dlFVPSHL+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-aaService** [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, MWPVB12]. **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, VAdlP12, 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, PSPP16, 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, MHdlS19, 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, DGCGH+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, HLNM11, 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** [dSMAdR+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, PPMM+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** [PLLP19]. **assets** [GTM19]. **assigning** [HCL+17]. **assignment** [ADBO18, AAM+16, DLXR14, FGW+19, HYG+19, KMT14, KRZ+19, LTC12, LXD17, RS17a, TdPF+17, VAdlP12, 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, SJSA19, 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, SMPC12, 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** [Frî14, 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, KRD+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, TuIS+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, XCZ+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, VAdlP12, 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, LZY+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, ZZC14, 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, MPCAF15, 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, EGVT18, Eng14, FFC+18, FJKK17, 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, GHO+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, SRdlPG19, 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, Frî14, 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, KRD+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, LXK+14, LLH+17, LPY+18, LLF+18a, LLWW18, LYY+18, Li18, LWTL19b, LSCL19, LWTL19a, LAL+15, LSYC18, LCL14, LXMW15, LHX+18, LWW+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, PPPS18, 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, SYY+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, XZW+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, ZZC18, 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, KRD+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** [CCRV13]. **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, MGV+18, 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]. **ClowdFlows** [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, dlFVPSHL+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** [àCKPM19, 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, ZZF+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, SSST17, 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, LXK+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, PPMM+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].

Consumer-facing [AAC+19]. **consumers** [CAC+15]. **consumption** [BdM11, CRB+16, DPBK16, HCHH19, IPCA+16, LCZR12, LIH+19, MPF+16, RMRSA19, SRP19, SYQ+19, VGC+13, WOPW13, ZAC+18]. **contact** [CTU19]. **Container** [LYH+19, CMG+19, KS17b, MG19, PMCC18, ZTL+19]. **Container-based** [LYH+19, KS17b, PMCC18, ZTL+19]. **containerized** [AS19b, GCTLA+19]. **containers** [BGRBA19, DSS19, DL19, MK19b, MEW+19, SF19]. **contend** [BA17]. **Content** [ARP14, SNP19, WSQ+18, AAF18, AAS+19, BCR+12, CdRRdCB19, DFLO17, FLT17, GVI13, GGH+19, HCC+14, HDLW13, HPL+19, LLMP13, LMZ+14, LLF+18a, LZP+18, LLWW18, LSYC18, LWZ+19b, RLL+17, WLA17a, XFJ+19, XWJ+16, YZZC19]. **content-based** [FLT17, XWJ+16]. **content-defined** [WLA17a]. **content-defined-chunking** [XFJ+19]. **Contention** [KIMR15, CNR19, DLXR14]. **Contention-Aware** [KIMR15]. **Contents** [Ano11b, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano12i, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano14a, Ano14b, Ano14c, Ano14d, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, BTP19, CWJD19, MSM+18b, SKS+18]. **contests** [WXYL15]. **Context** [ABTA18, ACSV18, BTP19, CBC+19, KRD+19, MBA19, VNAMM19, ZGZ+10, AGA16, BN17, CHY+18, FG18, FNA12, FKT14, GA13, HSB+18, JOSD19, LRJG19, Lok12, NKB19, POJ+16, RMSPP17, TCB+17, UGBM+17, WWG19a, WYH+17, WYL+18, ZWYH19, dSGD19]. **Context-Aware** [ABTA18, BTP19, ACSV18, CBC+19, KRD+19, MBA19, VNAMM19, CHY+18, FKT14, Lok12, NKB19, UGBM+17, WYH+17, ZWYH19, dSGD19]. **context-cloudlets** [Lok12]. **context-sensitive** [JOSD19, WYL+18]. **contexts** [XYLZ18]. **Contextual** [MLL15, dSMAdR+17, PNZ14]. **Contiki** [ZAI+18]. **continental** [MBC+11]. **continents** [UNM+16]. **contingency** [DCC+14]. **continual** [ZLXZ18]. **continued** [WTS14]. **continuity** [MBMTJR18]. **continuous** [KC19a, PLGMCdF18, ZLT+19]. **contour** [WZF+19]. **contours** [HWWT12, HZM14]. **contract** [LML+19, VVB15]. **contracts** [WGC19]. **contracture** [AMAY19, MSA+19]. **contrasting** [MRL14]. **Contributing** [FTK17]. **contribution** [MCWP16]. **contributions** [ALFR16]. **Control** [AMSPL19, CLL+18a, CDL+16, KESL17, YLWW18, AHP16, AMHJ10, BR18, Che13a, CYZK15, CZM+18, CZZ+18, CJK+18, CNR19, DCMB15, DLDTGMMP16, DHL18, FXG+19, FJL+16, FNCR11, FS18, FM10b, FSM+18b, GHMX10, GZLZ16, GHD19, HAJ+19, HLW12, HYG+19, Hua10, HDB18, IS18, KRD+19, KKS+18a, LHO17, LLW+19a, LLW+19c, LAQ+19, LZLL18b, LLZ+18b, LFY+19, MYHZ18, MM10, MLGGB+17, Mer13, MLW+18b, MWPVB12, NLLC19, NRV+17, NWL17, NJ16, NA19, PWWD18, QCX18, RJS+19, RGSL18, SRdlPG19, SAK19, SMSF18, SCL14, SYK+17, SZR18, TDC+14, TMJH19, TV16, VPP+19, VS19, VFHB14, Wan18a, WSY+19, XSMS15, XZZ+19, XYML19, YXZG18a, YWJ+19, YAX+18, ZYK17, ZCL+18, ZFH+18, ZSL+19b, dSBN19, vdLLE19, BL13]. **control-Application** [BR18]. **control-theoretic** [FJL+16, Hua10]. **Controllable** [FH13, YD18, ZWGC19]. **controller**

[FJL+16, HYG+19, NLV+19, ZXD+19]. **controllers** [dSFD+19]. **Controlling** [GCD+18, PECA19]. **controls** [QGT+18]. **convenient** [WHYZ17]. **Convergence** [Kim14, SPS18, WMA+19, LJJ18]. **Convergent** [MFT+17, TSWL17, XZW+19]. **converter** [VS19]. **convolution** [HZW19, LYW+18b, vWMBS14]. **Convolutional** [FS19, AAYL19, AsRA+19, AFO+18, AMBB18, ASYF18, AMM19a, CZH+18, GLC19, HUY+19, LZT+19, LLU+18, MMAA19, TBS+18]. **cooling** [Len16, QXZ+19]. **cooperation** [BDP11a, FMN+17, XDHL12]. **cooperation-oriented** [XDHL12]. **Cooperative** [EA13, HDH+18, JO11, PMFH11, RRB10, SYJA19, ABDH19, CZY+18, DPL14, FAL+19, FTH16, LJ17b, LD17, LWZ+19b, Mer13, PPS+19, PLP+19, PNZ14, YC13, Zhu18]. **coordinated** [CRVZ15, ZXD+19]. **coordinates** [HHZ16]. **Coordinating** [GDR+14]. **Coordination** [YZZC19, FTP14, MSBA16]. **coordinator** [CTVB12]. **Coordinators** [WLL+19b]. **cope** [ZCS+16]. **Copernicus** [PPLL17]. **copilots** [PWP+18]. **copy** [LXRS19, ZTKX19]. **copy-on-write** [LXRS19]. **coral** [FEPC18]. **coral-reefs** [FEPC18]. **Core** [TAB+18, EDH+13, HAF+16, HYZS16, JLY+18, LC14, LLG+16, LG16b, MWYC12, MAC14, MCA+18, MBM18, MGMT18, MCF+11, MMRL17, PSPP16, PLL+18, PSLZ18, PK11, PRC+14, QZM+18, RS17b, SK18, VD16, WJZ+17, WWZC19, WSH+16, YMW13, YLJ+17, YZ12, YDT19, ZAB15, ZLG+14, ZHHQ18, VK17]. **core-shutdown** [WWZC19]. **CoreFlow** [KBdLG18]. **cores** [Eng14, HLZ18]. **corner** [HTL+18]. **correct** [JMAG19]. **correction** [KDHP16, LZL19b]. **Correlation** [FAA+18, GJY18, HZX+19, HZX+20, GHP+18, LA19, YL18, YGY+19]. **correlations** [LD17, dFPFG19]. **Corrigendum** [AB19a, AB21, BFS+17a, Cha14b, HYS18, NDZ+18a, NDZ+19, SME+21]. **corrugation** [LSZ+18]. **CoSHE** [PMDS18]. **COSHH** [RD14]. **Cost** [APAZ17, ALK15, AK14, BKKM11, KV17, MFN13, MEBA12, WMX+17, ZQB+18, ADA+19, AL18, ABN19, BSE+13, BBB+19, CRM+16, CHSA18, CWJ+18b, CSQL17, DMC+19, DR18, FdAGdAFV19, GBS10, GD10, GS16b, HGG+14, KK16, LGY+16, LGL+17, LSCL19, LEW19, LML+19, LYL+19, MJDN15, MFG+14, OCCK14, SGJ18, SBA+17, SK19, SYAL13, TDSH16, VVB13a, WY17, WWZ+19, ZG19, ZXZL18, ZYCZ19, ZSQ+19, ZZS+19]. **cost-** [MJDN15]. **Cost-aware** [ALK15, ABN19, GS16b, HGG+14]. **Cost-benefit** [MEBA12]. **cost-constrained** [KCK16]. **Cost-effective** [WMX+17, CWJ+18b, CSQL17, DMC+19, KK16, LML+19, MFG+14, SBA+17, SK19, WY17]. **cost-efficient** [CRM+16, GD10, SGJ18, VVB13a]. **cost-sensitive** [ZSQ+19]. **costs** [KACN16, MD12]. **count** [XWX+17]. **counter** [DLDTGMMP16, VOCHC17]. **counter-forensic** [VOCHC17]. **counter-measures** [DLDTGMMP16]. **Countering** [MWCK19]. **countermeasures** [FAA+18]. **counters** [CLP+14]. **couple** [BC17]. **coupled** [BC15, LLS+14]. **Coupling** [BC15, sGbKS19]. **couplings** [PM14]. **Courier** [AT18b, ZFW14]. **coverage** [KWB19, LWH+18, LZXG12, LLW+19d, MLL15, WYJ+19]. **covert** [MWCK19]. **COWB** [DMPP16]. **CPFL** [AHEM17]. **CPRS** [LCH+11]. **CPS** [FSV+19, LLW+19b]. **CPU** [ASB18, BBMG10, CDG+14, CNR19, DLS+12, GJF+12, IPCA+16, JCA+19, KDHP16, KANS18, KAEC+18, MDB+18a, PS19, RBJ+13, TTH15, VD16, WMQ+16]. **CPU-based** [GJF+12]. **CPU/GPU** [CDG+14]. **CPUs** [ZHHQ18]. **CR**

[CLL+18a]. **Cracking** [VSM+19]. **CRAFT** [BDG+19]. **craniofacial** [CPE+17]. **crashes** [PWP+18]. **crawler** [BLMU19]. **Cray** [KBVH14]. **CREAM** [AAB+10]. **Creating** [BAB13, RGVGGSSZ14, SMS13, WMC19]. **creation** [ACM+18, ACD+19, GRZ+19, HA16, WLB11]. **credentials** [SSA+19]. **credibility** [PB18]. **credit** [KCS14]. **creditable** [HCL+17]. **CRFID** [CWSW14]. **crisis** [SCL14, VDK12]. **Criteria** [ACD+19, AFSH+19, EG18, FJJ+18, KHG+18, KA19, MLSF16, PdASM18, SDH+19, ZZH+18]. **criterion** [FTK+14]. **Critical** [AHEM17, AL14, AMR+19, BMR15, BKB18b, DNJG17, FDPR17, KSC+19, LZL19b, OWX19, RSRA18, RRU+18, SOA17, STB+19, ŠCJ+19b, TWdLZ19, WTM+17, WWT+16, WHYZ18, XTF+19]. **criticality** [CXZ+19]. **Cross** [FSM+18b, MFT+17, SVK19, YZL+18, ZZBP19, dSBN19, AKCY+17, JBM+18, LZH+18, LXMW15, LSD11, LWW+16, QZD+18, SSG19, SSB13, XWM18, ZN12]. **cross-datacenters** [XWM18]. **cross-disciplinary** [LZH+18]. **Cross-domain** [YZL+18, SSB13]. **Cross-Layer** [SVK19, dSBN19, AKCY+17, LXMW15, LWW+16, ZN12]. **cross-layered** [SSG19]. **Cross-Mapping** [MFT+17]. **Cross-platform** [ZZBP19, QZD+18]. **cross-stream** [LSD11]. **crossed** [CFL+18]. **crowd** [AMPZ16, CFGM16, CFM19, CWW+13, KAS+18, SOM+19, VNAMM19]. **crowdcomputing** [WHS+18]. **crowdsensing** [DWJM18, KRZ+19, MAD+16, YLWW18, YZL+19]. **crowdsourced** [LLGY18, MMF16, MDM+19]. **crowdsourcing** [àCKPM19, FY19, LDS+18, SYJA19, WLA18b]. **crowdsourcing-based** [LDS+18]. **Crypto** [ArMS19, XZL+19]. **Crypto-ransomware** [ArMS19]. **Cryptoanalysis** [CJS19]. **cryptocurrencies** [ZLL+19]. **cryptographic** [OMPSPL+19, WMX+17]. **Cryptography** [CDFZ16, DXA14, AMN18, MCN+18, MK17, YXA+18, ZXW+18]. **Cryptosystem** [WSQ+16, GLB+18, YY11]. **cryptosystems** [Wan19]. **CSCWD** [Bar11]. **CSTP** [LSD11]. **CT** [HLZ+19, KMK+19]. **CTPSO** [XRPT18]. **cube** [CFL+18]. **Cuckoo** [CWJ+18a]. **CUDA** [KSC+19]. **CUIDATS** [ABC+18]. **Cultural** [CMP+17, PC18b, CCMP18, MKS18, PPMM+18, WDJC18]. **CUPUS** [AMPZ16]. **curation** [GZS14, GML+13]. **curative** [Bo19, Bo20]. **currency** [PRS12, SI19]. **Current** [KARP14, LAQ+19, KBVH14]. **curvature** [Jun18]. **curve** [AMN18, MCN+18]. **custom** [ACCM19]. **customizable** [MDD15]. **customization** [SSW+19]. **customized** [BAJ+19, CTU19]. **Cyber** [CFH+19, HLV+16, LWW+16, NLM+16, OFD17, RVC16b, RVC16a, SYJ+19a, SHS+19, UNM+16, ZZLR18, AHS+18, APRC16, ABD+19, BK16, CM17, DWJM18, EAED18, EG18, GVBG17, GAW+18, GHD19, GGDM+18, GMP+17, HAAR+19, KB16, LLES19, LSZ+18, LLF+18b, LLS+14, LSL+15, LZY+16, MMPF19, NAAC19, OA17, PKF14, PTD+18, SMS14a, SZK16, Sko19, SZD+17, SM18, SDK19, WLZ+16, WZH+18, XLZ18, YPJ19, YS16, APRC16, Zhu14]. **Cyber-Enabled** [ZZLR18, LSZ+18, LLF+18b, YPJ19]. **cyber-foraging** [LLES19]. **Cyber-Physical** [CFH+19, HLV+16, LWW+16, OFD17, RVC16a, ABD+19, BK16, EG18, GVBG17, GHD19, GMP+17, HAAR+19, KB16, LLS+14, LSL+15, LZY+16, MMPF19, OA17, PTD+18, SZK16, Sko19, SZD+17, SM18, WLZ+16, XLZ18, YS16, APRC16, Zhu14]. **Cyber-physical-social-thinking** [NLM+16]. **CyberGuarder** [LLW+12a]. **cyberinfrastructure** [KS19]. **cyberinfrastructures** [CGBAP18, DGGH11]. **CyberLiveApp**

[LJLW13]. **Cybermatics** [NLM+16, ZZLR18]. **cybersecurity** [FPP+18]. **CyberShip** [SME+21, SME+19]. **CyberShip-IoT** [SME+21, SME+19]. **cycle** [SFR15, SCJ+19a]. **cycles** [JCA+19]. **CycloidGrid** [GDJ+13]. **cyclone** [RRKA19]. **cytology** [KIJ+19].

D [AKB18b, AM19a, AKB18b, Bro19, CPD+15, DJH+19, GWW+19, SHN10, VF18, XJY+18, ZDL+19]. **D-S** [ZDL+19]. **D/** [AKB18b]. **D2D** [YXZG18a, YZZC19]. **D4Science** [ACC+19b]. **DAC** [WLML17]. **DAD** [KK19]. **DAG** [ZZZC19]. **DAGs** [SK12]. **daisyworld** [PM14]. **Dalton** [ASV+13]. **damage** [QXZ+19]. **DAP** [RAdARP19]. **DAPSYS** [NFK10]. **DARGOS** [PMLVLS+13]. **dark** [YLJ+17]. **DARS** [SYL18]. **Data** [ADBM19, AAA+19, BA17, BSRR18, BMK+14a, CMEA+19, CLNR18, CCRL18, CMNK19, CAB+18, CDH+19, DYY+19, DGR+15, DP20, DP21a, DP21b, DLH+17, EET18, FZT+18, FA11a, GBB18, GRL11, HSBE19, HX19, HCX+19, JL14, Jun17, KK19, KPS18, KPB18, KLH+18, KT17, KIMR15, LZL+16, LXF19, LWYS18, MGL+18, MCR+16, NNLH18, PN13, PPS+18, PPA18, QC18, RPA+18, SVK19, SMS16, SFR15, SE19, SNXB17, SCG+18, VEET18, WRK+15, WJS+18, WXGM18, WZML18, WDW+19, YZC+19, YCY10, YDD+18, YZI18, YCZJ18, ZLTY10, ZCX+18, ZCYZ18, AOIS10, AHEM17, AD19, APBdI17, ABD+19, AK19, AAAQJ+18, AFSH+18, AFSH+19, ABB+19a, ATH+19, ARP14, AHYF19, ASO14, AIM+19, ACHP19, ATdC+16, AWN+13, ASYF18, ASD12, AMT+12, ATM+19, ACK+15, AGA18, ACSV18, dRADFG18, Asu13, ALL+18, ACC+16, AK18b, AMM+19b, AMBC19, APR+19, BAJ+19, BLL+19, BK16, BGI14, BCN+19, BBD+13]. **data** [BJM+17, BAP17a, BAP17b, BAB12, BDWM17, BBC+13, BDZ13, Bha18, BKY18, BDCC19, BN17, Bu18, BWG19, CZT+15, CQW+19, CMX+16, CVT19, CD16, CLZ18, CZY+19, CCD+19, CTR+17, CHJS+10, CFM17, CGIP14, CPD+15, CCMP18, CLH10, CCS+10, Che13b, CPA14, CZXL18, CAL+18, CRYG18, CZZ+18, CLS19a, CSL19, CLDC19, CBT+19, CDB+19, CCM+14, CPSRG14, CSP13, CSQL17, CDL18, CMZ+18, CBBdL16, Cuz14, CLM14b, DW11, DHW+17, DJPM18, DP19, DMMM11, DQXW19, DGD+16, DGCGH+17, DKK+13, DLS+12, DXL+18, DZLA19, ELAEAVAM19, EZTL19, EAS+18, EU19, EP13, ED16, FTA+14, FG18, FLT+19, FZW+18, FD12, FSV+19, FZHH14, FTK17, FNCR11, FNA11, FRM+18, FS18, GQLX18, GACM17, GLC19, GVURIVBV14, GZS14, GHD19, GSC11, GJ15, GBY16, GML+13, GS16b, GS15, GBF+12, GCCL18, GLVC18, GCD+18, GTCZG+18, GDS18, GRX19, GHJ+19, GG10, GFW+18]. **data** [GLD+19b, GPVN19, GSY+17, GLB+18, GZQ+19, HKA+18, HSM13, HAT19, HLYW17, HHH+19, HPGMM18, HZDS19, Hsu14, HLCL16, HYS17, HDB18, HYS18, HXL+18, HYF18, IAM+18, IHA18, JTS13, JNS+19, JH16, JHC18, JLS19, JSC+15, JCL+15, JFZL17, JLC18, JZJ+18, JLD+19, KS18a, KKN18, KRD+19, KHJ10, KKBK19, KIS11, KP12, KR14, KC19a, KC19b, KSW+13, KS17a, KLP19, KMC18, KCV11, KGVW14, KXS+16, KLMB19, KBdLG18, KH18b, KGT15, KBB+16, KAS+18, KKS+18a, KOP+17, KK16, KAEC+18, KP18, LLYW19, LLpC12, LY17, LY18a, LBM18, LN13, LXD17, LKN+13, LCHW14, LXK+14, LLC+14b, LWD+14, LLQS14, LNB14, LRYJ17, LFP+17, LZL+17, LGL+17, LOR+18, LYY+18, LLY+18, LLZ+18a, LTTL19, LAL+15, LZH+18, LLL+19, LJY12, LSYC18, LJ19b, LWH+18, LHX+18, LWW+18, LSD11, LvW14, 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, RGCCL18, 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, ZYCZ19, 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, ZZSZ18]. **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, RMDB18, 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, LYYW19, 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, SSFFR19, 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, ZZX+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, HLNM11, 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, VAdlP12, XZZ+19]. **dual-band** [VAdlP12]. **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, LJL12, 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, VAdlP12, 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, SRdlPG19, 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, WXLY16, vKLA+19]. **Efficient** [ABB19b, CXL+17, CAPG18, CXC+18, DLH+17, ELAEAVAM19, FXG+19, FGG13, HFM19, HZL18a, HDLW13, KCV11, LLYW19, LQK+16, LAL+14, LXK+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, HMH17, 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, PPMM+18, PF17, PPLL17, QZM+18, QMSG12, Qur19, Rao17, RGSL18, 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, RGSL18, 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, LXK+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, SMPC12]. **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, Frî14, 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, MMPF19, 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** [ZWDP18]. **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, YDNV16, 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, ZWDP18, 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]. **evolvement** [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, GVdBdL15, 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, OMPSPL+19, 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]. **GRelC** [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, SMPC12, 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, RAdARP19, 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, GVdBdL15]. **Group-based** [AJY15a, CB10]. **group-key** [IOV+18]. **grouped** [PWMX17]. **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, PPMM+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, PSPP16, 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, OCCK14, 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, VSBN19, WXLY16, WdL16, Wei11, YDK11, YK17, YNLY19, 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, VSBN19]. **high-stakes** [CND+19]. **High-throughput** [ZSX+15]. **Highly** [CD16, LN18, MRH17, CWJ+18b, Frî14, 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, PSPP16, 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, FDPR17, 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, JYY+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, LZXG12, 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, dSMAdR+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, MGV+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, OdI14, 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, SRdlPG19]. **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, PPMM+18, 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, KHWZ18, 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]. **IoFClime** [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, PPMM+18, 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** [CZZ+18, DLLZ17, HZL+19, LXK+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, EGVT18, 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, FDPR17, 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, FDPR17, 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, ZZSZ18]. **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, MHdlS19, 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, PWWD18, 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, dlFVPSHL+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, YNLY19]. **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, SJSA19, TMB+19, VKT+19]. **load** [AA18, AB19c, AS18a, BBMG10, CT19a, CRC13, DLS+12, DXL+18, GOBL16, HLW12, IS18, KRZ12, KIC12, LZXW13, 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, LZXW13, 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, dlFVPSHL+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, MHdlS19, 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** [MHdlS19, 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, MHdlS19, 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, GGDM+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, ÖE13]. **management** [PVGD+19, PSJ+12, PRS+13, PB17, PLCGS11, PMT10, PF17, PPB16, PPA18, QLM+18, RGSL18, RMVG+10, RM11, SMS14a, SH19, SCL14, SPS18, SAK+10, SSW+19, SCJ+19a, SCH+19, TOD17, TTB+13, TF17, TSGVRGS19, TAHS14, TY11, TCBPR16, URKM19, VAdlP12, 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, HLNM11, 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, ZLG+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** [ZWDP18]. **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, PWWD18, 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, RAdARP19, 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, ZZSZ18, 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, LXK+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, Zin18, 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** [WWTF18, 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, RMHCMG15]. **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]. **Multiuser** [NRR+15, dSBN19]. **Multiuser-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, RGCCL18, 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, RGSL18, Sun10, WFQ+10, Zhu10]. **network-aided** [GSC+19]. **Network-aware** [BCR+12, TCCC11, VDTK12, ZHHC17, PP10, TCR+12, UDvdW+18]. **network-based** [LYYY17, RGSL18]. **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, EGVT18, 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, KLW+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, LZXG12, 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, PPPS18, 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, ZZSZ18, 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, XWL+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** [MFT+17]. **noisy** [MFT+17]. **NOMA** [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]. **Nuoxus** [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]. **osteochondral** [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, TSGVRGS19, 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, LWW+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, RMRSA19, 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, YDNV16, 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, JLX+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, VAdlP12, 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, FDPR17, 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, PPPS18, 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** [FFC+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, PPPS18, 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** [GGLW18]. **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, VAdlP12, 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, SMPC12, WdL16, WLW+19, WPS+18, Zin18, dSGD19]. **quality-assurance** [WLW+19]. **Quantification** [LKCS18]. **Quantified** [LG16a]. **Quantifying** [CN17, ZTL+19, AB19a, ABGMC19, AB21]. **quantitative** [CRWZ19, LWW+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** [SJTN18]. **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** [SJTN18]. **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, SCN+14, 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, LJL12]. **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** [ACSdRR17, 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, EGVT18, 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, HYX+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, FDPR17, 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, Frî14, 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** [dlFVPSHL+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, dFPFG19, 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** [Ano19l]. **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, BSRR18]. **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, MMLO18, NV11, NZL+15, ODK+17, OB17, PVN+12, PLW+19, PZY17, PKI+18, PFS+13, QCD16, RZ16, RBN13, RHH+19, RW18, RGVGGSSZ14, SRZD15, SPMC10, SMPC12, 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]. **serving** [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, TKK+14, TCN+14, TCH19, VGD+19, Wan19, WDZ19, 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, MHdlS19, 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]. **skew** [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** [APBdI17, 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, ZZC14, ZZLZ18, 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, dlFVPSHL+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, BSRR18, 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, XFLL16, 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, dlFVPSHL+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, EGVT18, 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, FDPR17, 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, HLNM11, 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, NQQL13, OFD17, OKF10, OPO13, OA17, OCCK14, 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, SRdlPG19, 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, LWW+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, FDPR17, 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, ZZZC19, 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, KHWZ18, KKAS19, SMRM13, SKS+18, SLA+16, WCC14, WTS14, YSL19, dFPFG19]. **Techniques** [Gra15, WRK+15, ZYA+18, AD18, AAN+18, AMI16, ACMM19, AMS19, CGN18, CLAL19, DMPS19, DGR+19, HSC15, JYY+17, MVG18, SC19, SMS16, SV15, SKS17, SK12, SJSA19, 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, ZZZC19, 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, PPMM+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** [AMSPL19, 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, ZZC14, RW18]. **Top-** [CCJ16, MLW+18a, TDBR18, ZZC14, 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, HLNM11, 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** [ZYK17]. **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, KLW+16, LC17, LQK+16, LY17, LY18a, LYJ10, LZXW13, LXL+17, LJJ18, LLWW18, LYC+19, LD17, LH13b, LLCF11, Lin18, LAH10, LSD11, LLGY18, 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]. **voting** [ZCZ+18]. **VPN** [MSI+12, vdPGZ+16]. **VR** [SHH+19]. **vs** [IPG+18, NLLC19]. **VSA** [SHLJ13]. **VSI** [HM19]. **Vulnerabilities** [YS16, GHYK18, GGC18]. **Vulnerability** [LKCS18, NJKH13].

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