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## Title word cross-reference

$(f, g)$  [CDD<sup>+</sup>15]. 0 [dADC18]. 1 [dADC18, JM14].  $1 - m$  [SJG19]. 2 [CHCG18, DJDK19, KRKS11, LXLS12, TSFZ14, Tur12, YA11]. 2.5 [MPG17b].  $2 \log N - 1$  [CC14]. 3 [AA14, AA16, BDRB14, GOH<sup>+</sup>13, GRS19, LLFJ18, NM17, OGRV<sup>+</sup>12, PYP<sup>+</sup>10, SLV19, YA11, ZHW19, ZLS17, Zsa16]. 4 [KMC16]. 45 [HRF<sup>+</sup>11].  $d$  [DTK11b].  $G$  [BFKW13].  $GF(2^m)$  [SKH15].  $h$  [KLP10].  $hp$  [PPTV<sup>+</sup>10].  $K$  [DFCF13, WL11, Amm16, CDDL10, RDA18, SSKS11, SDG17, WCH<sup>+</sup>17, YTZ19, ZHT16].  $K_{1,3}$  [LLFJ18].  $L$  [ZBW<sup>+</sup>17].  $LTQ_n$  [XHZZ16].  $LU$  [FHL<sup>+</sup>15, SLV19].  $m$  [ABBD14, Kar19, SJG19].  $n$  [LLFJ18].  $O(1)$  [Can18].  $O(\log_2(\min(m, n)))$  [XL11].  $O(\log \bar{m}, \log N)$  [CC14].  $O(n)$  [DLV11].  $p$  [YBX<sup>+</sup>13].  $P_N$  [OGM<sup>+</sup>19].  $P_{N-2}$  [OGM<sup>+</sup>19].  $\pi$  [EHKSS19].  $QR$  [BDG<sup>+</sup>15, FHL<sup>+</sup>15].  $t$  [CRHC19].

**-alliances** [CDD<sup>+</sup>15]. **-ary** [LLFJ18, SJG19]. **-aware** [MSRB19]. **-Cipher** [EHKSS19]. **-clustering** [CDDL10]. **-connectivity** [ZHW19]. **-coverage**

[Amm16]. **-covered** [CHCG18]. **-cubes** [LLFJ18]. **-D** [LXLS12].  
**-dimensional** [DTK11b]. **-disjoint** [KMC16]. **-distributed** [CRHC19].  
**-Gaussian** [WL11]. **-hop** [JM14]. **-Means** [DBCF13]. **-MSA** [BFKW13].  
**-mutual** [RDA18]. **-nearest** [SDG17]. **-NN** [ZHT16]. **-packing** [TSFZ14].  
**-PIC** [YBX<sup>+</sup>13]. **-plex** [WCH<sup>+</sup>17]. **-relations** [KLP10]. **-stage** [CC14].  
**-structure** [LLFJ18]. **-systems** [ZBW<sup>+</sup>17]. **-time** [DLV11]. **-wave** [Kar19].

**/many** [KSG13].

**0/1** [BW18]. **0/1-Knapsack** [BW18].

**1-Knapsack** [BW18]. **1-type** [GA18]. **10** [LB12]. **113** [KN18b].

**2010** [Phi13]. **2011** [Mue13]. **2014** [Ben15]. **2016** [PGKV18, SV19]. **26th** [OY13].

**3** [KMC16].

**5G** [DAPR18].

**71** [LSS<sup>+</sup>11a].

**802.11** [ZBR11]. **802.11n** [GZY14a].

**A-GHSOM** [IZ12]. **A-Star** [SRT<sup>+</sup>18]. **AAIA** [TFV<sup>+</sup>15]. **abstract** [RJKL11]. **Abstraction** [DDO<sup>+</sup>18, IRRS16, LSZJ15, HCR12]. **ACAS** [MBR19]. **accelerate** [SJVRVVS19, SDG17]. **Accelerated** [AB13, BMS19, CRHC19, DGNW13, DCA<sup>+</sup>15, Eme13, GOH<sup>+</sup>13, KDO<sup>+</sup>13, LMSK18, SHA17, WLL16, Zsa16]. **Accelerating** [AVAH18, DFST13, GK19, GAOHG17, RCG18, SKH15, WD13, YL12, YZG18, ZXB14, ZCS<sup>+</sup>18, AM12a, VBDRC13]. **acceleration** [BAT<sup>+</sup>19, KCP19, LLY15, NMS<sup>+</sup>18, OGM<sup>+</sup>19, UGG<sup>+</sup>11]. **accelerator** [CNLGRL18, ICQO<sup>+</sup>12, PP13, PG19]. **Accelerators** [DF12, MLK12, RBN11]. **Access** [ALLM11, AM13, BC11, ETS14, FLC14, KKK11a, KGN11, LZ11, LWZZ12, LC11, LS19, MLZY17, MYYY17, NSDZ18, NKK16, TODQ18, WBRT13]. **access-aware** [MYYY17]. **AccessAuth** [TODQ18]. **accessing** [CJYC19]. **Accident** [CCW14]. **accrual** [CRJ10b]. **accuracy** [CRWX12, CDY<sup>+</sup>19]. **accurate** [BFKW13, CGL<sup>+</sup>14, GJ12, HZDP12, NV19]. **Accurately** [LC13]. **achieve** [LCB16]. **Achieving** [XLC<sup>+</sup>18]. **Acknowledgment** [Gra10a]. **ACOR** [BFVB19]. **Acoustic** [LPLFMC<sup>+</sup>12]. **across** [MB19, SGdSS13]. **Action** [Sie16, CDY<sup>+</sup>19]. **active** [KV10, PSGS17, SI13]. **activity** [CWZ<sup>+</sup>18, HES11, SAR<sup>+</sup>18, Udd19]. **actor** [YpGyLIC13]. **actuator** [KKKP12, SCN12]. **Ad** [LC14b, RBP<sup>+</sup>11, TM10, AH11, AH12, BM11,

FCW11, FGL<sup>+11</sup>, JLWX11, Kim11, KSK15, LHW14, NMN<sup>+14</sup>, OM10, SNCP12, SJS11, TC13, WHS<sup>+18</sup>, YSS11, YWW12]. **ad-hoc** [KSK15, LHW14, NMN<sup>+14</sup>]. **Ada** [WSX<sup>+19</sup>]. **Ada-Things** [WSX<sup>+19</sup>]. **Adaboost** [CLZ19]. **adaptable** [LLLC15, LFGM17]. **adaptation** [KGN11, NZY<sup>+11</sup>, WMC<sup>+18</sup>, WWY<sup>+18</sup>, YHWY18a]. **adapting** [SW18, WRW13]. **Adaptive** [AA16, ACPT15, BFVB19, BOT13, CGM14, KG10, LPK<sup>+10</sup>, LC11, UBES10, VMMB10, WL10, ZHLQ12, APK18, AF17, BM17a, BMT12, BBS13, BEN12, CMMN10, CKC19, CAF<sup>+11</sup>, DLW<sup>+12</sup>, DAB<sup>+14</sup>, GA16, GNZ18, HHK15, IZ12, KK17, KBK<sup>+19</sup>, LST17, LHX<sup>+16</sup>, LWW18, MPG17a, MPN17, MSEM<sup>+19</sup>, NKK16, PPTV<sup>+10</sup>, SMO14, SB12, SMB10, SHC14, TLY12, WSX<sup>+19</sup>, ZXYO11, ZLCZ18]. **Address** [YQTV12, WZ13, YGZ<sup>+10</sup>, YC12]. **addressable** [KRM14]. **adjacent** [CFJW13]. **adjusted** [TDBL13]. **administration** [LB17]. **Admission** [MBO11, AAA<sup>+10</sup>, MCZ14, YJKD10]. **advance** [CRH11]. **Advanced** [HDCM11, MCP<sup>+18</sup>, PH18, PSGS17, DMK19, ZXMR18]. **advancement** [LZ11]. **Advances** [DDE19, GA16, HAC<sup>+19</sup>]. **adversarial** [WLK<sup>+19</sup>]. **adversary** [dOCS14]. **advice** [DP12, GGY19]. **Advisor** [uRIL<sup>+18</sup>]. **aerial** [SRB<sup>+19</sup>]. **AES** [ABO<sup>+17</sup>]. **affected** [LdPLC<sup>+19</sup>]. **affinity** [HD10]. **Agate** [CZPP16]. **agent** [Rao16, YZS15, YHWY18a]. **agent-based** [Rao16, YHWY18a]. **agents** [FP17, SGAC14, SMO<sup>+18</sup>, BJ18]. **aggregate** [AMT13]. **aggregated** [WE13]. **Aggregation** [MBMC19, BCO<sup>+12</sup>, HBSASA19, JBA15, JBS14, JHPL13, SSKS11, XHZ<sup>+10</sup>, ZSCX18, Zsa16]. **Aging** [BM17a, LC14a]. **Aging-aware** [BM17a]. **agreement** [AP16, HC11, LLW12, REK10a, REK10b]. **ahead** [mH14, SHL<sup>+13</sup>, TLL<sup>+18</sup>]. **AHMW** [BMT12]. **aid** [CVK<sup>+18b</sup>]. **aided** [SV18]. **air** [YBM13]. **algebra** [Eme13, FHL<sup>+15</sup>, ICQO<sup>+12</sup>, LKD14]. **Algorithm** [Ren11, AA10, ALM<sup>+16</sup>, AA14, AA14, ALLM11, ADDB18, ARDQ18, BDL<sup>+19</sup>, BCH15, BFKW13, BBD18, CDDL10, CC14, CK13, CLOL17, CPLY18, COF<sup>+17</sup>, CSW<sup>+17</sup>, CDW<sup>+19</sup>, CCC<sup>+19</sup>, DFHH13, DK11, DLV11, FZWL12, GLW14, GG19, GL12, GAOHG17, HES10, HSS10, HES11, HSY10, HVW16, HWY<sup>+10</sup>, JXZ<sup>+19</sup>, KG19, KR10b, KHW13, Kar19, Kim17, KIH15, LHWJ19, LASS15, LLCZ19, LLT12, LÜ14, LW16b, LYIP19, LFEP19, MSEM<sup>+19</sup>, NST19, NHO<sup>+13</sup>, OGM<sup>+19</sup>, PDP17, PB15, RT18, RBG17, RBOH<sup>+18</sup>, RDA18, SLV19, SMP17, SWW<sup>+17</sup>, Tam18, TLQS12, Tát11, Ter16, TYA16, TSFZ14, WLL16, WCL<sup>+13</sup>, WWW17a, WJ12, gWW18, XL11, XYZW14, XSYG18, YWJ<sup>+18</sup>, YÖ11, YSS11, ZQMM11, dOBG<sup>+15</sup>, CMR10, KM17, LY12]. **algorithm/implementation** [HVW16]. **algorithmic** [BBH<sup>+17</sup>, CG11, CLZ19, JF12]. **Algorithms** [Ben15, FTM<sup>+14</sup>, TFV<sup>+15</sup>, ANEA13, ASC<sup>+18</sup>, Ara13, ACCP12, AAC10, AF17, ARVZ14, BKC<sup>+15</sup>, BBBC12, Ben19, BMT12, BKCM17, CP10a, CRH11, CRSB13, CRD17, Cuz11, Cuz13, DJ16, DCA<sup>+15</sup>, DKU15, FHL<sup>+15</sup>, GMMP12, GZY14a, GM14a, GK10, GN15, ICQO<sup>+12</sup>, JST12, KR10a, KHT<sup>+14</sup>, KSSG14, KK10, KMS10, KR11, LNW<sup>+12</sup>, LLS<sup>+16</sup>, MCAS12, MRS<sup>+14</sup>, MPR19, MKM16, MSAZ10a, MSAZ10b, NTN12, OA10, PKN10,

PH18, PH16, PPSV15, PS14, QGZP19, SPH13, SHRM19, SSV10, SBRM19, Tal19, TWQS12, Tur12, VAF19, VS16, YZG18, ZGJ<sup>+</sup>18, ZXMR18].

**alignment** [BFKW13, SPRG<sup>+</sup>12, SRT<sup>+</sup>18]. **All-Pairs** [DCA<sup>+</sup>15]. **all-to-all** [PW16, ZTFK16]. **alliances** [CDD<sup>+</sup>15]. **allocating** [AS19a]. **allocation** [AAA<sup>+</sup>10, ADD17, ACCP12, BSS<sup>+</sup>13, CCA18, CDS10, CPLY18, DW12, HWY<sup>+</sup>10, HLL<sup>+</sup>19, HB11, HGX<sup>+</sup>19, JL11, KR10a, KR10b, KHW13, KS18, LL10, LL12a, LL12b, LDP<sup>+</sup>14, MLK<sup>+</sup>16, NVK<sup>+</sup>11, PKN10, SSM<sup>+</sup>16, SNCP12, SCW<sup>+</sup>18, SCMS12, SHL<sup>+</sup>13, SSV10, SZB16, TFMS15, YYWZ19, ZG13].

**almost** [EB13]. **almost-optimal** [EB13]. **alternating** [HWY<sup>+</sup>10].

**alternative** [Can18]. **always** [AD10]. **always-on** [AD10]. **ambiguities** [RK18]. **ambiguity** [LDS16]. **Amdahl** [CN14, NZ17, SC10]. **among** [ST12, ZWY<sup>+</sup>15, ZCW19]. **AMR** [RV13]. **AMTE** [HCM11]. **Analysis** [CSMML10, LDS16, LE19, SWHB17, WCF14, AFK14, AK18, Ben19, BBH<sup>+</sup>17, BFL<sup>+</sup>13, BC11, BF13, CSL15, CLZ19, CKT11, CLXX19, CWCW18, CJA<sup>+</sup>19, GZG<sup>+</sup>17, GHC<sup>+</sup>17, HSH10, HB11, JF12, KBK<sup>+</sup>19, KK10, KKK<sup>+</sup>11b, LMSK18, LdSB<sup>+</sup>18, LpJS<sup>+</sup>18, LZC11, MAKWZ13, MBO11, MEMEMH17, NV19, NSKN17, PLK<sup>+</sup>18, SMW18, SWLP19, SPPA19, TLY12, VLW18, Wu11, XLW<sup>+</sup>18, ZKZF18, ZPK<sup>+</sup>14, DFLO17].

**analytic** [Ale19b, LWC<sup>+</sup>18]. **analytical** [AHZ11, KyLPC17]. **Analytcs** [AS13, AS15, CJ17, Eck18, KKKG14, PS14, PAG<sup>+</sup>18, TH19, VLGV<sup>+</sup>18, YLB<sup>+</sup>15]. **analyze** [LZN19]. **Analyzing** [LB12, PB19, RB12, RPS19].

**anchors** [MKM16]. **Android** [TY17]. **animation** [JdSJC<sup>+</sup>15]. **ANMR** [BM17a]. **annealing** [dADC18]. **annuli** [Li14]. **anomaly** [AKK<sup>+</sup>19, IZ12, KKTZ13, MBR19, RLP14]. **anomaly-based** [MBR19].

**anonymity** [DKJG19]. **anonymous** [KS13, LWK<sup>+</sup>19]. **answer** [BYG<sup>+</sup>18].

**Ant** [COV13, CGN<sup>+</sup>13, CLA<sup>+</sup>18, DDGK13, CCK11, Ski16]. **Anti** [GSASA19]. **Anti-spoofing** [GSASA19]. **Apache** [KKH17]. **API** [HLS12].

**applicability** [Can18]. **Application** [DKK18, OGRV<sup>+</sup>12, WLST16, dKG<sup>+</sup>10, AHA<sup>+</sup>16, AAI<sup>+</sup>15, BM16, BMT12, CKMP17, DWYB10, FCP<sup>+</sup>15, HSS17, KG19, KAA<sup>+</sup>19a, Kub17, LGRV19, LW16a, Li17, LAS<sup>+</sup>19, MLZY17, MCM<sup>+</sup>11, MRJ<sup>+</sup>19, PVP18, PS14, PVR17, WW18b, WJ14, YÖ11].

**Applications** [PGRP17, PJ18, SFC17, TFV<sup>+</sup>15, ALM<sup>+</sup>16, AC16, ASSS19, BCD<sup>+</sup>15, BHLT14, CCA18, CLW<sup>+</sup>19, CGL<sup>+</sup>14, CGM14, CSMML10, CP10b, CMC<sup>+</sup>19, CDAN14, FCML13, FPF14, FRM15, GQZ18, GLC14, GYAB11, GVBB13, GRR13, HZZ<sup>+</sup>19, Kol19, KBC<sup>+</sup>10, LWCC15, LFGM17, MSRB19, MA19, MLK12, NV19, NLB<sup>+</sup>18, NPS<sup>+</sup>19, NMS<sup>+</sup>18, NVK<sup>+</sup>11, NC13, OTKT12, PCMM<sup>+</sup>17, PH18, PB19, PMAL11, PA15, PCLP16, RCG18, RJKL11, SWW<sup>+</sup>17, SR16, SSGZ13, TP18, TPLY18, TOR<sup>+</sup>14, TKX<sup>+</sup>13, WSX<sup>+</sup>19, WBS19, WIR<sup>+</sup>18, XCC<sup>+</sup>19, ZVL11, ZZJ<sup>+</sup>18, ZSW14, ZXMR18, dSS11, FTM<sup>+</sup>14]. **apply** [NZ17]. **applying** [CCK11, Kol19]. **approach** [AS19a, AFD<sup>+</sup>11, AJG18, AS18, BM11, BCK<sup>+</sup>13, CTS17, CHX<sup>+</sup>17, CZZ<sup>+</sup>17, CDPS18, DKKV15, dADC18, GDL<sup>+</sup>11, GXYZ13, ICQO<sup>+</sup>12, KYS13, KBC19, KSJC17, KZ11, KCFP18, LL19, LXW<sup>+</sup>11, LZN19, MHLZ16, MLCFH<sup>+</sup>18, MBMC19, MGRRK14, NTN12, NHO<sup>+</sup>13, OPR18, Ozt11, PD19, PST<sup>+</sup>19,

PQ19, RK18, RMGM19, SW18, SGVRP19, SDG17, SK11, TP18, TXLL14, TY17, TM10, VLW18, WML<sup>+</sup>18, WWY<sup>+</sup>18, WZQ<sup>+</sup>13, WLZ<sup>+</sup>18, XRB12, XLH18, YHWY18a, YAA10, YDTZ18, YWG15, ZHH15, ZS13, ZTGL17].

**Approaches**

[FMIF18, CB11, DBA<sup>+</sup>18, KWZ19, KBK<sup>+</sup>19, LE19, RPN19, Upa13].

**Approximate** [LHW14, LRS18, ST12, BDL<sup>+</sup>19, CLOL17, HN19, JHL<sup>+</sup>18].

**Approximation**

[GM14a, JST12, LLCZ19, DKU15, FZWL12, GG19, PSRS12]. **arbitrary**

[BCF14, Kar19]. **arbitration** [HRG<sup>+</sup>11]. **Architectural**

[TGPUC16, KWZ19, NTK17]. **Architecture**

[DB18, MEMEMH17, PSGS17, YPCW16, AA10, AA16, ABO<sup>+</sup>17, BJS18, BGA12, BBCQ13, CLMRL15, CS17, FSP18, GRZ<sup>+</sup>18, KK17, KNHH18, KH12, LLKY13, LHHH11, LLY15, MCM<sup>+</sup>11, MYD<sup>+</sup>11, NPS<sup>+</sup>19, NPVG<sup>+</sup>19, NKV14, PPP14, PCMM<sup>+</sup>17, PYP<sup>+</sup>10, PGP<sup>+</sup>12, PTK<sup>+</sup>13, SAR<sup>+</sup>18, SLKK12, WTWZ16, YFBY17, ZMZJ17, ZPK<sup>+</sup>14, KCSS18, VRGS17].

**Architectures** [FTM<sup>+</sup>14, FPS12, AA14, AG12, BKC<sup>+</sup>15, BYG<sup>+</sup>18, CGC16, CJ17, DKRC<sup>+</sup>15, DKU15, FPS11, FTM<sup>+</sup>19, GMS<sup>+</sup>13, GMSS<sup>+</sup>11, HDCM11, JJ12, KHT<sup>+</sup>14, LGRV19, Lla17, MSGS<sup>+</sup>13, MP10, PD19, SPPA19, SGdSS13, TRS<sup>+</sup>12, WQZ<sup>+</sup>13, TFV<sup>+</sup>15]. **Archive** [FTK14, JKIE13]. **Area**

[CDR12, ABO<sup>+</sup>17, CHCG18, JKV15, LdsB<sup>+</sup>18, LMJC11].

**Area-maximizing** [CDR12]. **Ariadne** [MM15]. **arithmetic** [Dav17]. **ARM**

[AG12]. **arrangement** [Ten16]. **Array** [NKV14, CS10, Man13]. **array-based**

[CS10]. **arrays** [Can18, EAB<sup>+</sup>19, JWSG14, WCF14, XS11]. **art** [PSC<sup>+</sup>16].

**arts** [NDW17]. **ary** [LLFJ18, SJG19]. **Aspen** [UMM<sup>+</sup>18]. **Aspen-based**

[UMM<sup>+</sup>18]. **Assessing** [BCD<sup>+</sup>15]. **assessment**

[CG17, FGL<sup>+</sup>11, LC14a, SJVRVVS19]. **assigned** [HMR15]. **Assigning**

[CCK11]. **Assignment**

[Cza13, SSZ10, ABBD14, CS10, DLM19, GQZ18, GDL<sup>+</sup>11, GZY14a, JTZZ11,

Kim11, LZLX11, NDP13, PLY15, SLKK13, WW18b, YZX11]. **assisted**

[GM13, HMY<sup>+</sup>18, KO12, MBBD13, NS12, SRT<sup>+</sup>18]. **Associate** [Ano16k].

**Associations** [GPJA10]. **Associative** [TJCB10, HDCM11, YBM13].

**assumption** [Pen11]. **assumptions** [MS15]. **assured** [AKK<sup>+</sup>19].

**asymmetric** [CMC<sup>+</sup>19, KNHH18, SPC<sup>+</sup>17]. **asymmetrically** [ATKT19].

**Asymptotically** [Li10]. **Async** [ARP18]. **Asynchronous** [KVNV17, TP18,

ATDH13, CPA<sup>+</sup>11, DBCF13, DPBNT12, GLGLBG12, IRRS16, Kak15,

KMS10, KS13, MEMEMH17, MSEM<sup>+</sup>19, RV13, SMO<sup>+</sup>18, WPC19]. **ATAPE**

[PW17]. **atmosphere** [KVNV17]. **atomic** [BOT13]. **atomicity** [RHH12].

**attack** [BK18, KCFP18]. **Attacking** [ZWY<sup>+</sup>15]. **attacks**

[LLWC17, TAM<sup>+</sup>19, UGG<sup>+</sup>11, YXX13]. **attention** [PLSM18]. **attribute**

[LSS<sup>+</sup>11a, LSS<sup>+</sup>11b]. **attributed** [LKB<sup>+</sup>15]. **auction**

[GVBB13, RA11, ZG13]. **auction-based** [ZG13]. **auction-inspired**

[GVBB13]. **audiences** [LMB<sup>+</sup>17]. **audio** [TYD<sup>+</sup>19, WIR<sup>+</sup>18]. **Audit**

[HLS12]. **auditing** [XLC<sup>+</sup>18]. **augmentation** [BCH15]. **augmented**

[KM17, KAA<sup>+</sup>19b, MKW18]. **Authentic** [GPJA10, SZMK13].

**authenticated** [YTH<sup>+</sup>19]. **Authentication** [ZBR11, BDM18, LMJC11, LWK<sup>+</sup>19, PRN<sup>+</sup>19, TODQ18, YTZ19]. **Author** [Ano10a, Ano11j, Ano12m, Ano14f]. **authority** [ZCMY12]. **Auto** [PSB<sup>+</sup>19, CXX<sup>+</sup>18, KKR14, KGN11, MBR19, TLL<sup>+</sup>18, VD18]. **auto-adaptation** [KGN11]. **auto-clean** [CXX<sup>+</sup>18]. **auto-encoders** [TLL<sup>+</sup>18]. **auto-scaler** [VD18]. **auto-scaling** [MBR19]. **Auto-tuned** [PSB<sup>+</sup>19]. **auto-tuning** [KKR14]. **autoencoder** [WMC<sup>+</sup>18]. **automata** [EM11, GKS15, MBO11, PD19, RT18, TM10, ZBW<sup>+</sup>17]. **automata-based** [EM11, RT18]. **automated** [CV16]. **Automatic** [AD12, CLXX19, HZZ<sup>+</sup>19, LZZ<sup>+</sup>11, NCB<sup>+</sup>17, AM17, DXS<sup>+</sup>19, GLC14, GFPC14, MLCFH<sup>+</sup>18, NVK<sup>+</sup>11]. **automatically** [DSEP17]. **automation** [HKK<sup>+</sup>18, PD19]. **automaton** [LSZZ15, Pet18]. **automaton-based** [LSZZ15]. **automotive** [RAN<sup>+</sup>17]. **autonomic** [AZC13, LS10, RDA18, XRB12]. **autonomous** [CKT11, CKMP17, WZZ<sup>+</sup>17, ZWW17]. **availability** [AGMS16, Fu10, KVA18, LKM12, LAC18, PMMMA15]. **average** [WWW17a]. **avoid** [DP16]. **Avoiding** [SI13, SLV19]. **awards** [OY13]. **Aware** [DR18, DKK18, SDS<sup>+</sup>18, AH12, AYB<sup>+</sup>15, BM17a, BGO19, CWZ<sup>+</sup>18, CLW<sup>+</sup>19, CCW14, CWP12, CHCG18, CKML12, EHL<sup>+</sup>15, FCW11, FCJG<sup>+</sup>18, Fu10, GQZ18, GPSH19, HMR15, HWL18, HV13, JAB12, JHF<sup>+</sup>17, KKK11a, KK11, KCR14, KBC<sup>+</sup>10, LL19, LBMG15, LFS16, LR14, LDZ<sup>+</sup>14, LZI<sup>+</sup>11, LW16a, LNAL17, LLCZ19, LY13, LHLM14, MBBD13, MHLZ16, MYYY17, MSRB19, MTL<sup>+</sup>18a, MLK<sup>+</sup>16, MMK<sup>+</sup>11, MBR19, MA19, MSEM<sup>+</sup>19, NHX<sup>+</sup>19, NL19, ORWT<sup>+</sup>18, OMT<sup>+</sup>17, OJP<sup>+</sup>18, PD19, RBN11, RCG18, SNMB16, SJB12, SA19, SKK14, SCW<sup>+</sup>18, SP13, STK11, SZL10, TLLV10, TODQ18, TVT<sup>+</sup>17, UM17, VMMB10, WQL14, WMY<sup>+</sup>17, WHC<sup>+</sup>18, YZX11, YJKD10, ZLKK19, ZVL15, ZXYO11, ZTFK16, ZLJ<sup>+</sup>19, ZWQ<sup>+</sup>16, Sie16]. **awareness** [HRH18, LWZZ12, ZXGD18]. **Axiom** [ABLP17]. **Axiom-based** [ABLP17].

**B&B** [BMT12, DBA<sup>+</sup>18]. **back** [LKD14, WMES12]. **backends** [IEWK17]. **backfilling** [GMVRGS16]. **backtracking** [AKDMN15]. **bad** [Sch14]. **bag** [BHLT14, dSS11]. **bag-of-tasks** [BHLT14, dSS11]. **balance** [ZW11, ZWY<sup>+</sup>15]. **balanced** [ASES15, GHY10, SB15, YMLP14]. **balancing** [AES11, BFMT<sup>+</sup>18, CKLW19, DB11, DLW<sup>+</sup>12, GLC14, HLL<sup>+</sup>19, JL11, KAA<sup>+</sup>19a, MPV12, NHO<sup>+</sup>13, PC11, PRN<sup>+</sup>19, SBQ12a, TVT<sup>+</sup>17, YJL16, YAA10, ZV14, ZSW14, ZLMC14]. **Balls** [BBFN12, BBFN14]. **band** [WIR<sup>+</sup>18]. **Bandwidth** [KK17, BHK17, FFYH19, HWY<sup>+</sup>10, HB11, MSK<sup>+</sup>16, SSGG18, YYWZ19]. **bandwidth-efficient** [BHK17]. **barriers** [HS12]. **based** [APRA18, ASA18, AA10, ASKTZ13, AVAH18, ALLM11, AHG12, AMSÅ19, AYB<sup>+</sup>15, AP16, AK18, ABLP17, ABF<sup>+</sup>14, AJG18, AS18, BDM18, BNBR16, BOY10, BCMV15, BCH15, BDRB14, BFKW13, BYG<sup>+</sup>18, BK18, BAT<sup>+</sup>19, BEN12, BYH<sup>+</sup>17, BBB11, CWZ<sup>+</sup>18, CLW<sup>+</sup>19, CG12, CLMRL15, CK13,

CVK<sup>+18b</sup>, CP10b, CS10, CHX<sup>+17</sup>, CLOL17, CXQ<sup>+18</sup>, CRJ10a, CJ17, CTT16, CAF<sup>+11</sup>, CKMP17, CRD12, CDW<sup>+19</sup>, DBA<sup>+18</sup>, DKKV15, DB11, DR19, DBW<sup>+18</sup>, DKC14, DWYB10, DXS<sup>+19</sup>, ESGQ<sup>+14</sup>, ESGQ<sup>+18</sup>, EM11, ECP<sup>+18</sup>, FLL14, FCML13, FLCB10, FGL<sup>+11</sup>, GOH<sup>+13</sup>, GMMP12, GPJA10, GTGLSA12, GL12, GSASA19, GA16, GNZ18, GRZ<sup>+18</sup>, GXYZ13, HBS17, HRH18, HWY<sup>+10</sup>, HZL18, HMY<sup>+18</sup>, HGX<sup>+19</sup>, IIH16, IIH<sup>+17</sup>, JTC<sup>+18</sup>, JM14, KKR14, KyLPC17, KAA<sup>+19a</sup>, KKS<sup>+12</sup>, KKLJ14, KCP19, KKTZ13, LK15, LC14a, LdSB<sup>+18</sup>, LSH<sup>+13</sup>, LZI<sup>+11</sup>, LMJC11, LW16a, LLWC17, LNW<sup>+12</sup>, LÜ14, LZC11]. **based** [LSZZ15, LZY<sup>+18</sup>, LCJ<sup>+18</sup>, LLDL15, LPLFMC<sup>+12</sup>, Lop18, LACJ18, LAC18, LFEP19, LLFJ18, MS19, MAGL13, MM15, MP10, MAKWZ13, MBR19, MBO11, MH18, MSAZ10a, MSAZ10b, MRJ<sup>+19</sup>, MZZC12, MCZ14, NV19, NSKN17, NST19, NCA<sup>+12</sup>, NTN12, NHO<sup>+13</sup>, NC13, No12, NPVG<sup>+19</sup>, OM10, OJP<sup>+18</sup>, Ozt11, PARB14, PD19, PLSM18, PDP17, PMAL11, RLP14, RT18, Rao16, RA11, RTZ11, RDA18, RDCQ17, SMW18, SSM<sup>+16</sup>, SMPMLVLS11, SHSH17, SCG10, SPH13, SLW10, ST12, Ski16, SSQL19, Suk18, SK11, SLHS19, TBG<sup>+17</sup>, TFMS15, TCMB<sup>+19</sup>, TW15, TKKH17, TC13, TJCB10, TWQS12, Udd19, URK<sup>+19</sup>, UMM<sup>+18</sup>, UM17, VETT18, VMMB10, VS18, WW12, WCL<sup>+13</sup>, WRW13, WYW15, WWW17b, WML<sup>+18</sup>, WMC<sup>+18</sup>, WWY<sup>+18</sup>, WXZ<sup>+18</sup>, WXMZ19, WIR<sup>+18</sup>, WLYS19, WMG13, WD18, WD13, WCCH18, WWA<sup>+18</sup>, WHW<sup>+19</sup>, XLHT13, YWJ<sup>+18</sup>, YZC<sup>+19</sup>, YL12, YHWY18a, YHWY18b, YXW<sup>+18</sup>, YAA10, ZG13]. **based** [ZGJ<sup>+18</sup>, ZAAB17, ZFT<sup>+18</sup>, ZW13, ZPK<sup>+14</sup>, ZLL14, ZLT<sup>+19</sup>, ZV12, ZGG<sup>+14</sup>, ZXGD18, dSAJ15, dAAD<sup>+19</sup>, HRF<sup>+11</sup>, TOR<sup>+14</sup>, ZBR11]. **bat** [CCC<sup>+19</sup>]. **batch** [CMR19]. **batched** [HSH10]. **Bayesian** [DKC14, LWC<sup>+18</sup>, NZA13, RFP<sup>+19</sup>, SHK19, YWAT13]. **be** [HBS17, KSSK16, STKW12, BGA12]. **beacons** [DWX10]. **beeps** [CD19]. **Before** [HCR12]. **behavior** [ACD<sup>+18</sup>, CL14, LWXX19, dAMFdS13, RA11]. **behaviour** [CMMN10]. **belief** [HMY<sup>+18</sup>]. **benchmark** [DMS<sup>+16</sup>, GN15]. **Benchmarking** [BBR13, YYLC11]. **benchmarks** [HZZ<sup>+19</sup>, KC17]. **Benefit** [BHK17]. **Best** [Mue13, OY13, Phi13, QGZP17]. **best-effort** [QGZP17]. **better** [STKW12]. **between** [KR17, LCB16, MP15, NM17, XS11, ZXGD18]. **Beyond** [LdPLC<sup>+19</sup>, CC14]. **BFS** [BCMV15, DJ16, RGAN18]. **BGP** [LXW<sup>+11</sup>]. **bi** [AM11, MMK<sup>+11</sup>]. **bi-modal** [AM11]. **bi-objective** [MMK<sup>+11</sup>]. **Biased** [AS19b, RM11]. **bichromatic** [NMN<sup>+14</sup>]. **bidirectional** [PD19]. **BiELL** [ZGG<sup>+14</sup>]. **Big** [AS13, AS15, APK18, LWWQ18, MNR<sup>+19</sup>, SFC17, ACPT15, CF19, CJYC19, CCC<sup>+19</sup>, Eck18, FRM15, KKKG14, NXTK17, NST19, PST<sup>+19</sup>, RBA<sup>+18</sup>, SMW18, TH19, WWW17b, YBX<sup>+13</sup>, ACB<sup>+15</sup>]. **Bimodal** [UM17]. **binary** [ASC<sup>+18</sup>, Can18, CJDC10, LFZ<sup>+17</sup>, WD18]. **bins** [BBFN12, BBFN14]. **Bio** [Hua17]. **Bio-Grid** [Hua17]. **biological** [SMB10]. **biologically** [FTM<sup>+19</sup>]. **biomedical** [WZY<sup>+19</sup>]. **biometric** [CNLGRL18, GSASA19]. **bipartite** [DKU15]. **bipartitioning** [PB15]. **Bisection** [AK17, ZGG<sup>+14</sup>]. **bit** [KIH15]. **bit-parallel** [KIH15]. **Bitonic** [BM14, TW15]. **BitTorrent**

[ARD14, CTC11, LXZ13]. **BitTorrent-like** [CTC11]. **Black** [PSC<sup>+</sup>16, BE13, SGAC14]. **BlackOut** [ZCF<sup>+</sup>17]. **BlobCR** [NC13]. **BlobSeer** [NAB<sup>+</sup>11]. **Block** [ADV14, ATDH13, DAB<sup>+</sup>14, FLCB10, LYIP19, MRJ<sup>+</sup>19, MRT18, PP13, SPH13, WZZ<sup>+</sup>17, XLW<sup>+</sup>18]. **block-asynchronous** [ATDH13]. **block-level** [FLCB10]. **block-structured** [DAB<sup>+</sup>14]. **Blockchain** [ZLT<sup>+</sup>19, DKJG19]. **blocking** [ASES15, CASD18, DBA<sup>+</sup>18, ESGQ<sup>+</sup>11, KR17, MPN17]. **blocks** [RJKL11]. **Bloom** [SMPMLVLS11]. **BMB** [WD18]. **BMMI** [SJG19]. **BMMI-tree** [SJG19]. **Board** [Ano18v, Ano18w, Ano18x, Ano18q, Ano11a, Ano11b, Ano11c, Ano11d, Ano11e, Ano11f, Ano11g, Ano11h, Ano11i, Ano12a, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano12i, Ano12j, Ano12k, Ano12l, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano13g, Ano13h, Ano13i, Ano13j, Ano13k, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k, Ano17l, Ano17m, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano18l, Ano18m]. **Board** [Ano18n, Ano18o, Ano18p, Ano18r, Ano18s, Ano18t, Ano18u, Ano19a, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j, Ano19k, Ano19l, Ano19m, Ano19n, Ano19o, Ano19p, Ano19q, Ano19r, Ano19s, Ano19t, Ano19u, Ano19v, Ano19w, Ano19x]. **body** [CHCG18, YJL16]. **Boltzmann** [WZY<sup>+</sup>19]. **Bone** [AFK14]. **Boolean** [ESCV15, OT19]. **boosting** [AC16]. **both** [WTY<sup>+</sup>18]. **bottom** [LXZ13]. **bottom-up** [LXZ13]. **bound** [AMM<sup>+</sup>18, Kub17, Li19b]. **bound-consistency** [Kub17]. **boundary** [SMP17, TRS<sup>+</sup>12, ZQMM11]. **bounded** [JM14, Sta17]. **bounds** [LXLS12, LYW<sup>+</sup>16, NDP13]. **brain** [RBOH<sup>+</sup>18]. **branch** [AMM<sup>+</sup>18]. **brawny** [LNC13]. **breadth** [MB13, ZCS<sup>+</sup>18]. **breadth-first** [ZCS<sup>+</sup>18]. **breast** [HES11, XTN12]. **bridging** [KLJ<sup>+</sup>11]. **broad** [LMB<sup>+</sup>17]. **Broadband** [XP10, XTN12]. **broadcast** [AA10, CB15, KYS13, KG10, LDZ<sup>+</sup>14, LDZ<sup>+</sup>17, LSWC14, LSZZ15, MT14, MPS16, WWW17a, WIR<sup>+</sup>18, dAAD<sup>+</sup>19]. **broadcast-based** [AA10]. **broadcasting** [LSWC14, OWK14]. **Brokering** [CPJ<sup>+</sup>19]. **Brown** [DTK11a]. **Brunotte** [Tát11]. **BTS** [BKK<sup>+</sup>11]. **bubble** [GNZ18]. **bubble-type** [GNZ18]. **budget** [ZVL15]. **budget-aware** [ZVL15]. **budgeted** [Sta17]. **buffer** [CHX<sup>+</sup>17, IIH16, WCWO17, WYW15]. **bufferless** [LLT12]. **buffers** [EKNS17, ZCF<sup>+</sup>17]. **build** [ZHH15]. **Building** [RJKL11, Suk18, ZW13, HSS10]. **burst** [WCWO17]. **bus** [PTN<sup>+</sup>19, TJCB10, YGZ<sup>+</sup>10]. **bus-based** [TJCB10]. **buses** [BG16]. **Business** [MBS<sup>+</sup>12]. **Business-driven** [MBS<sup>+</sup>12]. **Butterfly** [VAF19]. **bypass** [dOBG<sup>+</sup>15]. **Bypassing** [DKK18]. **Byzantine** [DPBNT12, HC11, IRRS16, LHW14, MT14].

**C** [EFG<sup>+</sup>14, HCM11]. **C-AMTE** [HCM11]. **C2FPGA** [CSJ<sup>+</sup>13]. **Cache**



[DKK18, CK13, CDAN14, FABG<sup>+</sup>19, HCM11, KK11, LC11, LZLX11, MYYY17, MPG17a, MA11, SS17, VRGS17, WLZ<sup>+</sup>18]. **caches** [ATKT19, DMI<sup>+</sup>19, EHL<sup>+</sup>15, NSAS10, SS17]. **Caching** [CS17, FCW11, FCML13, LAK10, MA11, TC13, ZVL11]. **CAFES** [MCM<sup>+</sup>11]. **calculations** [KVVV17]. **calibration** [SDG17]. **call** [LGK<sup>+</sup>12]. **campus** [CJYC19]. **Can** [KSSK16, HBS17]. **cancer** [XTN12]. **CANE** [LAS<sup>+</sup>19]. **capabilities** [FEH<sup>+</sup>14, GRS19, RBN11]. **capabilities-aware** [RBN11]. **Capability** [JLWX11, BJ15, CKC19, dOBG<sup>+</sup>15]. **capable** [SMP17]. **Capacity** [TODQ18, ACCP12, BKK<sup>+</sup>11, JHPL13]. **Capacity-aware** [TODQ18]. **capture** [BOT13]. **Carlo** [PAS15, ZS13]. **carrier** [BC11]. **Cartesian** [GOH<sup>+</sup>13, ISAZ10, MSAZ11]. **Case** [PP13, AGMS16, AES11, BJ18, CHLL18, FRM15, HdR13, PCMM<sup>+</sup>17, RÖE<sup>+</sup>18, SJVRVVS19, TdAR18, WLCZ15, WMG13, ZKZF18, ZLJ<sup>+</sup>19]. **CASS** [FPS11]. **Cassandra** [PMMMA15]. **Cataloging** [RFP<sup>+</sup>19]. **causal** [EDH<sup>+</sup>17, dAAD<sup>+</sup>19, HCR12]. **Causality** [MCS14]. **cause** [LXW<sup>+</sup>11, MBR19]. **caused** [Zha11]. **CBase** [ZLZ<sup>+</sup>19]. **ccNUMA** [MTM10]. **CEA** [LY12]. **cell** [LWCC15, MFT<sup>+</sup>19, BGA12, XP10, XTN12]. **cell-centered** [LWCC15]. **Cell/BE** [BGA12]. **cells** [FTM<sup>+</sup>19, ZPK<sup>+</sup>14]. **cellular** [ANEA13, EM11, GKS15, LMSK18, PD19, PSRS12, Pet18, ZBW<sup>+</sup>17]. **center** [BFH<sup>+</sup>17, CGC16, SCW<sup>+</sup>18, ZLZ<sup>+</sup>19]. **centered** [LWCC15]. **centers** [AG12, AK18, GYAB11, HTB19, MB19, MLK<sup>+</sup>16, OJP<sup>+</sup>18, RT18, TVT<sup>+</sup>17, YAK15, ZV14, ZV12]. **centrality** [JL11, SSKÇ15, WBRT13]. **centric** [KTP17, LAS<sup>+</sup>19, VS18, XYZW14]. **CFPA** [MSEM<sup>+</sup>19]. **chain** [ASKO16, LWW19]. **chained** [BM14, CMR<sup>+</sup>18]. **chained-cubic** [BM14]. **chains** [LBMG15]. **Challenges** [NKSA17, PJ18, AFH<sup>+</sup>19, PSC<sup>+</sup>16]. **Channel** [LWLD12, SSZ10, GDL<sup>+</sup>11, GZY14a, GZY14b, KKK11a, Kim11, ZMG<sup>+</sup>16]. **channels** [LSWC14]. **chaos** [DZC17]. **chaos-oriented** [DZC17]. **Characteristics** [DKK18, BCD<sup>+</sup>15, RGAN18, SWHB17]. **Characteristics-Aware** [DKK18]. **characterization** [DWYB10]. **Characterizing** [HRF<sup>+</sup>11, ZSW14]. **chart** [LZN19]. **Check** [MC17, LXW<sup>+</sup>11]. **checking** [BBBC12, CAK13, MMN<sup>+</sup>18, XYZW14]. **Checkpoint** [LACJ18, NC13, WCWO17]. **Checkpoint-Restart** [LACJ18, NC13]. **Checkpointing** [ARVZ14, BCC<sup>+</sup>18]. **checkpoints** [AD10]. **chemical** [CP10b, XLHT13]. **chess** [WW18b]. **Chief** [Pra16]. **Chinese** [XLW<sup>+</sup>18]. **Chip** [BJS18, MSEM<sup>+</sup>19, BYG<sup>+</sup>18, DJDK19, DR19, DMS<sup>+</sup>16, GJ12, HCM11, HRG<sup>+</sup>11, KK11, KH12, KKK<sup>+</sup>11b, LNA12, LLKY13, LSXX14, LLT12, LY13, LHLM14, LWCG14, MYD<sup>+</sup>11, PMCC18, SAJ13, TCHC12, UM17, AA14, ALLM11, LK11, MEMEMH17, ORWT<sup>+</sup>18, PR13, ZCF<sup>+</sup>17]. **chip-multiprocessors** [LWCG14]. **Chips** [LK10, RGAN18]. **choices** [BBFN12]. **Cholesky** [GLW14]. **chordal** [BCH15]. **chromatin** [MFT<sup>+</sup>19]. **Chronos** [LHNBB19]. **Cipher** [EHKSS19]. **circuit** [LC14a, LWCG14].

**circuit-level** [LC14a]. **circuit-switched** [LWCG14]. **circuits** [EB13, HBS17, MH18, OOSGVG<sup>+</sup>16]. **circulation** [Nes10]. **Cities** [NCRK19, AKK<sup>+</sup>19, AMSÁ19, DFLO17, NML<sup>+</sup>19, SLZ<sup>+</sup>19, ZCW19]. **city** [AKSZ19, HRH18, KDSS18, NPS<sup>+</sup>19, ZLJ<sup>+</sup>19]. **clairvoyant** [Li19a]. **CLAP** [KK17]. **CLAP-NET** [KK17]. **class** [EB13]. **classes** [FP17]. **CLASSIC** [PG19]. **classification** [COV13, CK13, PDP17, TPLY18]. **classifier** [BOKS19, SDG17, UGG<sup>+</sup>11]. **classifying** [Luc18]. **clean** [CXX<sup>+</sup>18]. **clients** [GZY14a]. **Climate** [AFH<sup>+</sup>19, DXS<sup>+</sup>19]. **clinical** [KDO<sup>+</sup>13]. **clique** [WCH<sup>+</sup>17]. **cliques** [SMT15]. **clocks** [TPLY18]. **cloning** [RMHR17]. **Cloud** [CDJL11, FEH<sup>+</sup>14, LAC18, PR13, VS18, ASKO16, ASHO19, AKK<sup>+</sup>19, Ale19b, Ale19a, AZC13, AM12a, AMSÁ19, ACCP12, BYH<sup>+</sup>17, CL14, CCA18, CPJ<sup>+</sup>19, CXY14, CTKA17, DKRC<sup>+</sup>15, FRM15, FCJG<sup>+</sup>18, FMIF18, GQZ18, GYAB11, GSASA19, GPSH19, HTB19, HRM17, HMY<sup>+</sup>18, JAB12, KVA18, KBC19, KS18, KBK<sup>+</sup>19, KSSK16, LWZZ12, LQM<sup>+</sup>12, LLB<sup>+</sup>18, LGM18, LZWZ19, LWH<sup>+</sup>19, MHLZ16, MYYY17, MXSL12, MMK<sup>+</sup>11, MA19, PLSM18, PH18, RT18, SMW18, SWW<sup>+</sup>17, SFHS19, SLZ<sup>+</sup>19, TCMB<sup>+</sup>19, TKR<sup>+</sup>19, TLW18, TKX<sup>+</sup>13, VD18, WXMZ19, WCCH18, gWW18, XLC<sup>+</sup>18, XRB12, XSYG18, YTH<sup>+</sup>19, YYWZ19, YYLC11, ZV14, ZLL14, ZHT16, HAC<sup>+</sup>19, NLB<sup>+</sup>18]. **cloud-based** [AMSÁ19, GSASA19, TCMB<sup>+</sup>19, WCCH18]. **Cloud-centric** [VS18]. **cloud-of-things** [TKR<sup>+</sup>19, HAC<sup>+</sup>19]. **cloud-oriented** [GYAB11, HRM17, MXSL12]. **cloudlets** [TPS<sup>+</sup>18]. **clouds** [ACPT15, ACB<sup>+</sup>15, CKMP17, KM17, KKLJ14, LYJ<sup>+</sup>19, LTWW12, LWWQ18, MBR19, NC13, NKK16, PVP18, ZG13, ZVL15]. **Cluster** [JKV15, CCA18, CDS10, CDY<sup>+</sup>19, FLCB10, GRR13, IEWK17, JGMY17, LAK10, LML<sup>+</sup>10, LÜ14, LZC11, LB17, LB18, NDP13, NVK<sup>+</sup>11, PKW<sup>+</sup>10, RLP14, SBÇ12b, SHL<sup>+</sup>13, SMH<sup>+</sup>14, WLL16]. **cluster-based** [FLCB10, LÜ14]. **Cluster-to-cluster** [JKV15]. **clustered** [GZY14b, Lop18, NS12, SFT<sup>+</sup>13]. **Clustering** [TM10, ASKTZ13, AYB<sup>+</sup>15, AS18, BM16, BM17b, BDL<sup>+</sup>19, BF13, CDDL10, CLC<sup>+</sup>17, DBCF13, DKM10, GYP13, KG19, KKH17, LK15, SAL10, TLW18, YBX<sup>+</sup>13, YÖ11, YWW12, ZMCP11]. **clusters** [ARP18, DCA<sup>+</sup>15, Fu10, GRS19, GYY<sup>+</sup>14, HV13, JM14, KG19, KKH17, KCR14, MMVL11, SS11, VBDR13, WQL14, uRIL<sup>+</sup>18, WH17, YJKD10, ZMCP11, ZHLQ12]. **CMOS** [KRM14]. **CMPs** [AFA13, APRA18, FABG<sup>+</sup>19, FLC14, HRF<sup>+</sup>11, OOSGVG<sup>+</sup>16]. **CNN** [CXX<sup>+</sup>18]. **CNNs** [CDW<sup>+</sup>19]. **Co** [AHA<sup>+</sup>16, KN18b, KN18a, RBG17, BBH<sup>+</sup>17, HVW16, HD10, NVK<sup>+</sup>11, OJP<sup>+</sup>18, PSB<sup>+</sup>19]. **co-allocation** [NVK<sup>+</sup>11]. **Co-Design** [RBG17, BBH<sup>+</sup>17]. **co-evolutionary** [HD10]. **co-execution** [PSB<sup>+</sup>19]. **co-location** [OJP<sup>+</sup>18]. **co-optimization** [HVW16]. **Co-optimizing** [AHA<sup>+</sup>16]. **Co-processing** [KN18b, KN18a]. **coalition** [YZS15]. **Cobb** [HGX<sup>+</sup>19]. **Code** [TAM<sup>+</sup>19, CDW<sup>+</sup>19, MMN<sup>+</sup>18]. **Code-driven** [TAM<sup>+</sup>19]. **codes** [AM13, CP10a]. **coding** [DFHH13, ZY12]. **CODISC** [MA11]. **coevolutionary** [ADDB18]. **cognitive** [FCZ<sup>+</sup>12, GDCC18, SA19]. **cognizant** [LK13]. **coherence**

[APRA18, CDAN14, CRD12, MPG17a, SPPA19]. **cohort** [AKBD10]. **coin** [AAC10]. **cold** [MB19, GPSH19]. **cold-spot** [MB19]. **collaboration** [LR14]. **Collaborative** [MA11, SLHS19, CJDC10, DBLB<sup>+</sup>12, LLWC17, LHCC19, NKK16, RJKL11, VLW18, ZLJ<sup>+</sup>19]. **collection** [Amm16, ZWW17]. **collective** [MBBD13, NKK16]. **collectives** [Zah12]. **collectors** [VRM10]. **college** [NDW17]. **Collision** [LDZ<sup>+</sup>17, CXQ<sup>+</sup>18, JBS14, MBMC19]. **collision-free** [JBS14, MBMC19]. **Collision-tolerant** [LDZ<sup>+</sup>17]. **collusion** [AFD<sup>+</sup>11]. **Colony** [CGN<sup>+</sup>13, CLA<sup>+</sup>18, DDGK13, Ski16, CCK11]. **coloring** [GK10]. **combination** [DKC14, YFBY17]. **Combinatorial** [Ben15, DDE19, ZG13, CMMT13, Men18, PPSV15, WMG13]. **Combined** [GDCC18, VAS<sup>+</sup>13]. **Combining** [AAC10, CMMT13, SR16, UBES10, WMY<sup>+</sup>17, BCC<sup>+</sup>18]. **committee** [BDP16]. **commodity** [ZXB14]. **Communicating** [CD19, DRR13]. **Communication** [FPS11, FLM<sup>+</sup>19, MLK<sup>+</sup>16, RFS<sup>+</sup>12, AFA13, ARP18, ALTV13, AM12a, BM17b, BBR13, DB11, DKUÇ15, DAPR18, EDH<sup>+</sup>17, GM13, JJ12, JZZ<sup>+</sup>17, LAK10, LWCG14, LLW12, dAMFdS13, MTL<sup>+</sup>18a, MCM<sup>+</sup>11, MPG17b, REK10a, REK10b, SAL10, SLV19, SRI14, SLKK12, SZB16, SSGZ13, Tam18, TW15, WPC19, YCH<sup>+</sup>10, YQTV12, FPS12]. **communication-avoiding** [SLV19]. **Communication-free** [FLM<sup>+</sup>19]. **communication-intensive** [MLK<sup>+</sup>16]. **communication-optimal** [MPG17b]. **communications** [MBBD13, PGP<sup>+</sup>12, TP18, TKG<sup>+</sup>17]. **community** [CTC<sup>+</sup>10, LpJS<sup>+</sup>18, WLYS19, ZLL14]. **community-based** [ZLL14]. **compact** [NKV14]. **Compaction** [SLHS19]. **Comparative** [SJVRVVS19, KBK<sup>+</sup>19]. **Comparison** [GRS19, AG12, Ben19, GHC<sup>+</sup>17, JKIE13, MP10, NSKN17, SMB10, ZTFK16]. **Comparisons** [YBM13]. **compass** [AKBD10]. **compass-free** [AKBD10]. **competition** [WSLC11]. **Competitive** [SHC14, LHHH11]. **competitiveness** [GK15]. **compilation** [MH18, PAG<sup>+</sup>18, WQZ<sup>+</sup>13]. **Compiler** [NS12]. **Compiler-assisted** [NS12]. **complementary** [ZPK<sup>+</sup>14]. **complete** [LFZ<sup>+</sup>17]. **completely** [SPC<sup>+</sup>17]. **Complex** [DDO<sup>+</sup>18, HASB16, CM12, DF17, HHA14, JKD<sup>+</sup>15, RBP<sup>+</sup>11, SW12, SJG19]. **Complexity** [KCP19, AEF11, FWM<sup>+</sup>10, Sol13, XL11]. **complexity-effective** [FWM<sup>+</sup>10]. **Component** [AHG12, HdR13, KRKS11, VLW18]. **Component-based** [AHG12]. **component-oriented** [HdR13]. **components** [GHIJ19]. **composition** [CJ17, WMY<sup>+</sup>17]. **compositions** [FZ14]. **comprehensive** [CJA<sup>+</sup>19, GM14b, MFT<sup>+</sup>19, TH19, Upa13, uRIL<sup>+</sup>18, ZAB18]. **compression** [CW15, HBSASA19, JKV15, KP17, AHG12]. **Comput** [KN18b, LSS<sup>+</sup>11a, MSAZ10a, PCX<sup>+</sup>14, REK10a]. **computation** [Ale19a, CXY14, DB11, LMB<sup>+</sup>17, LGM18, MCS14, RMU14, SS11, XLH18, YJL16]. **Computational** [APV18, AAH17, CCE<sup>+</sup>17, CLZ19, KHT<sup>+</sup>14, LGRV19, MS19, Pen11, QGZP19, RBN11, SMO14, SNCP12, ZLKK19]. **computational-power** [ZLKK19]. **computations** [BD11, CG10, IEWK17, RV13, SSKÇ15, SBÇ12a, SWLP19, SMH<sup>+</sup>14, WJ14].

**computed** [KDO<sup>+</sup>13]. **Computer** [DB18, BDRB14, Eme13, FSP18, LMB<sup>+</sup>17, LB17, PSC<sup>+</sup>16, PR13].  
**computers** [AM13, Li16]. **Computing** [BS11, CDJL11, CGFH19, DDO<sup>+</sup>18, DB18, Eme13, FTM<sup>+</sup>14, HAC<sup>+</sup>19, KRS13, LK11, MSGS<sup>+</sup>13, MNK12, MBG<sup>+</sup>17, Nee17, PBB<sup>+</sup>17, SLL18, STS19, SFC17, TPS<sup>+</sup>18, TJCB10, TPJ<sup>+</sup>19, ALM<sup>+</sup>16, AAK<sup>+</sup>13, AMU<sup>+</sup>19, AZC13, AM12a, AMT13, ASC<sup>+</sup>18, ACB<sup>+</sup>15, ABLP17, BFL<sup>+</sup>13, BHS13, BLZ<sup>+</sup>18, BYH<sup>+</sup>17, CFI<sup>+</sup>18, CMMT13, CVK<sup>+</sup>18b, CPJ<sup>+</sup>19, CTKA17, CDR12, DDG<sup>+</sup>17, DF12, EFG<sup>+</sup>14, ES12, FPF14, FKR<sup>+</sup>17, FP17, Fu10, FX10, GQZ18, GMSS<sup>+</sup>11, GAC<sup>+</sup>17, GRZ<sup>+</sup>18, HES10, HRH18, HZL18, HLL<sup>+</sup>19, mH14, JHL<sup>+</sup>18, JTC<sup>+</sup>18, JdSJC<sup>+</sup>15, KHW13, KDO<sup>+</sup>13, KBC19, KV10, KCR14, Kol19, KCFP18, KDSS18, Las12, Las13, LHWJ19, LZYY11, LLCZ19, LBT19, LWH<sup>+</sup>19, LYJ<sup>+</sup>19, LS10, LML<sup>+</sup>10, LE19, LB18, MYYY17, MSRB19, MNR<sup>+</sup>19, MZC18, MFT<sup>+</sup>19, MMK<sup>+</sup>11, MA19, MKN14, NXTK17, NML<sup>+</sup>19, NDW17, NSDZ18, PLD14, PH18, PGKV18, RBN11, Ren11, SMW18, SJB12, SSM<sup>+</sup>16, SAR<sup>+</sup>18]. **computing** [Sch14, SFT<sup>+</sup>13, Sie16, SZL10, Suk18, TZI11, TLLL10, TLLV10, TFMS15, TXLL14, Udd19, WZX<sup>+</sup>19, WZH<sup>+</sup>19, WG11, gWW18, XLHT13, YLL17, YWJ<sup>+</sup>18, YTH<sup>+</sup>19, YLZW18, YBM13, ZAB18, ZKZF18, ZGW<sup>+</sup>19, ZLL14, AS13, Cuz11, FPS11, GMSS<sup>+</sup>11, KRS13, KRS14, Las12, MMVL11, TH11].  
**Concept** [DFLO17]. **concepts** [MAGL13, NKSA17]. **Concurrency** [ADD17, SRI14, UBES10]. **Concurrent** [ACHY18, CMN12, DBLB<sup>+</sup>12, BE13, CTS17, PVP18, SW18]. **Conditional** [CSS11]. **conditions** [Ste17]. **Confident** [YDZ<sup>+</sup>18]. **confidentiality** [ZHT16]. **Configurable** [TCMB<sup>+</sup>19, ZMZJ17]. **configuration** [LB17, VAS<sup>+</sup>13, WZ13, WLST16]. **conformation** [MFT<sup>+</sup>19]. **conforming** [LGM18]. **Congestion** [MSEM<sup>+</sup>19, AA10, BM11, BFVB19, ESGQ<sup>+</sup>14, ESGQ<sup>+</sup>18, YJKD10].  
**congestion-oblivious** [BFVB19]. **conjugate** [GLW14, LR14]. **Connected** [KRKS11, BJ18, JPD17, KO12, YSS11, YWW12, ZAAB17]. **connection** [LXLS12]. **connectivity** [BCMV15, Ten16, ZHW19]. **conquer** [GDL<sup>+</sup>11, PV19, TP18]. **conscious** [GYAB11]. **consensus** [AAI<sup>+</sup>15, LHW14, WWW17a]. **consequences** [YBM13]. **conservation** [SHRM19, XS11]. **considerations** [RSK19]. **considering** [MLMSMG12].  
**consistency** [KBK<sup>+</sup>19, Kub17, LC11, LHZ<sup>+</sup>18, RHH12]. **consolidation** [MA19, RT18, ZLCZ18]. **Constrained** [BSH15, CHX<sup>+</sup>17, JHF<sup>+</sup>17, JZZ<sup>+</sup>17, KSK15, LFS16, LL10, Li16, MSK<sup>+</sup>16, VMMB10, XLL15, YAK15, ZWWX16].  
**constraint** [Ozt11]. **constraint-based** [Ozt11]. **constraints** [BMS19, Pet19, SZB16, VRM10, WMY<sup>+</sup>17, WHS<sup>+</sup>18, YA11]. **Constructing** [CFL<sup>+</sup>19, HS12, Lai15, MKW18, YWW12, WJ12, YSS11]. **construction** [AK19, CJYC19, CFJW13, HN19, JPD17, JM14, Lai14, Lai17, OOSGVG<sup>+</sup>16, SB12, WIB12]. **consumer** [GLGLBG12, KK11]. **consumption** [AH12, GHY10, GMRRG19, LM16, RTZ11, TKX<sup>+</sup>13, XLPL19, ZW11].  
**container** [AZW13]. **Containers** [LACJ18, LAC18, MFT<sup>+</sup>19, Str12].  
**contamination** [SWLP19]. **contended** [AFA13]. **Content**

[SLW10, DMI<sup>+</sup>19, KTP17, KRM14, NKK16, ST12, SK11, WLZ<sup>+</sup>18, ZW13].  
**content-based** [ST12, SK11, ZW13]. **Contention**  
 [FCW11, STK11, AEY12, HHS12, KH12, LW16a, SW18, Zah12].  
**Contention-aware** [FCW11, STK11, LW16a]. **contention-free** [KH12].  
**Contents** [PSGS17]. **Context** [AHG12, CWZ<sup>+</sup>18, ORWT<sup>+</sup>18, Sie16].  
**Context-aware** [CWZ<sup>+</sup>18, ORWT<sup>+</sup>18, Sie16]. **contexts** [KHT<sup>+</sup>14].  
**contextual** [Ana14]. **continued** [Ano18v, Ano18w, Ano18x]. **Continuous**  
 [JHPL13, Luc18, NST19, TCS<sup>+</sup>10]. **contraction** [LGK<sup>+</sup>12, SMH<sup>+</sup>14].  
**contractions** [IEWK17]. **Contribution** [AS19b]. **contributory** [SA19].  
**control** [AA10, AAA<sup>+</sup>10, BCO<sup>+</sup>12, BWP<sup>+</sup>11, BJ18, CG17, CWP12,  
 ESGQ<sup>+</sup>18, GL12, GAOHG17, HMY<sup>+</sup>18, JTZZ11, Kim11, KGN11, LWLD12,  
 LL12a, MLZY17, MBO11, MCZ14, RCG<sup>+</sup>11, SRI14, WRW13, WHS<sup>+</sup>18,  
 XLW<sup>+</sup>18, YBM13, YJKD10, ZMZJ17, ZBW<sup>+</sup>17]. **controllable** [ZHT16].  
**Controlled** [WXMZ19, BYT19]. **convergecast** [PLY15]. **convergence**  
 [CDD<sup>+</sup>15, PH18]. **converging** [BHK17]. **conversion** [FC14]. **convolution**  
 [CLXX19, XLW<sup>+</sup>18]. **convolutional** [ZLS17]. **cool** [LFS16]. **Cooled**  
 [SWHB17]. **cooling** [MLK<sup>+</sup>16, SWHB17]. **cooperation** [YQTV12].  
**Cooperative**  
 [LTWW12, SRB<sup>+</sup>19, SZL10, ADDB18, DDG<sup>+</sup>17, FCML13, FZ14, GZY14b,  
 KK10, LGM18, TC13, TVT<sup>+</sup>17, WLL16, WHC<sup>+</sup>18, XHZ<sup>+</sup>10, YpGyLIC13].  
**Coordinated** [DDG<sup>+</sup>17, MCZ14]. **Coordinating** [LZI<sup>+</sup>11]. **Coordination**  
 [FCZ<sup>+</sup>12, SCN12, SZB16, BDP16, Wu11]. **copies** [RS19]. **Coping**  
 [BGBC<sup>+</sup>16, BCC<sup>+</sup>18]. **coprocessor** [KVVN17, SA11, ZMZJ17]. **CoQoS**  
 [LZI<sup>+</sup>11]. **Core** [DDO<sup>+</sup>18, AFA13, APRA18, AA16, AVAH18, ARI17,  
 ABLP17, BBBC12, BLMB13, CDD<sup>+</sup>19, CMMT13, CHLL18, CKK<sup>+</sup>13,  
 CMC<sup>+</sup>19, DBA<sup>+</sup>18, DWYB10, FTM<sup>+</sup>19, GZG<sup>+</sup>17, GS18, GKS15, Hus17,  
 JHF<sup>+</sup>17, KSG13, KR11, LWC<sup>+</sup>18, LKS14, LNAL17, LSC<sup>+</sup>15, LLS<sup>+</sup>16,  
 MBBD13, MNR<sup>+</sup>19, MZC18, MAHKZ12, MGRRK14, NPVG<sup>+</sup>19,  
 PCMM<sup>+</sup>17, PGP<sup>+</sup>12, PTK<sup>+</sup>13, PR13, RLA<sup>+</sup>16, RLA<sup>+</sup>17, SNMB16, SFT<sup>+</sup>13,  
 Sol13, SAJ13, SHRM19, TCHC12, WQZ<sup>+</sup>13, WH17, ZXB14, Zha11].  
**core-periphery** [ABLP17]. **cores**  
 [CVK<sup>+</sup>18a, LNC13, LTG14, TGPUC16, ZLS17]. **correction** [LSH<sup>+</sup>13].  
**correlations** [FX10, WZQ<sup>+</sup>13]. **Corrigendum**  
 [KN18b, LSS<sup>+</sup>11a, MSAZ10a, REK10a]. **corrupted** [DP16, XSYG18].  
**cortex** [PG19]. **cortex-inspired** [PG19]. **cortical** [NFHL13]. **cosine** [AK19].  
**Cost** [DJDK19, AMU<sup>+</sup>19, AM12a, AD12, CPLY18, DKUC15, ESGQ<sup>+</sup>11,  
 HS12, JLWX11, KSK15, Li17, MP15, NV19, NML<sup>+</sup>19, PTN<sup>+</sup>19, TCMB<sup>+</sup>19,  
 YGZ<sup>+</sup>10, YYLC11]. **cost-effective** [AMU<sup>+</sup>19, AM12a, JLWX11, NML<sup>+</sup>19].  
**cost-efficient** [ESGQ<sup>+</sup>11]. **cost-quality** [TCMB<sup>+</sup>19]. **CoT** [HMY<sup>+</sup>18].  
**Count** [MPS16]. **Counting** [AP16]. **Counting-based** [AP16]. **coupled**  
 [DXS<sup>+</sup>19, FPM<sup>+</sup>14, IEWK17, SMH<sup>+</sup>14]. **coupled-cluster** [SMH<sup>+</sup>14].  
**course** [Bog17, Eck18, LB17, LB18, PSGS17]. **courses** [FSP18, Kum17].  
**cover** [KO12]. **Coverage** [ZCW19, Amm16, DGBN14, GM14a, PSRS12,  
 PCX<sup>+</sup>11, PCX<sup>+</sup>14, REZN17, YDZ<sup>+</sup>18]. **covered** [CHCG18]. **covering**

[KCR14, ST12]. **CPS** [CHX<sup>+</sup>17]. **CPU** [ASSS19, DV13, DBA<sup>+</sup>18, GKS15, KAA<sup>+</sup>19a, KLJ<sup>+</sup>11, LR14, LLKY13, PV19, Ren11, TRS<sup>+</sup>12, TYA16, UFF19, VLW18, WLL16, WTWZ16, YLL17]. **CPU-GPU** [DV13]. **CPU/GPU** [LR14]. **CPUs** [AVAH18]. **CR** [LACJ18]. **crash** [DDG<sup>+</sup>17, DGDF10, PMHM19]. **crash-faults** [PMHM19]. **crash-prone** [DDG<sup>+</sup>17]. **crashes** [GK15]. **Cray** [YQTV12]. **credible** [YGWJ19]. **criteria** [ZWWX16]. **Critical** [LC14a]. **criticality** [ZZJ<sup>+</sup>18]. **Cross** [IEWK17, PQ19, SJS11, WXZ<sup>+</sup>18, LST<sup>+</sup>13, WCL<sup>+</sup>13, YFBY17]. **cross-architecture** [YFBY17]. **cross-layer** [WCL<sup>+</sup>13]. **Cross-scale** [IEWK17]. **Cross-Site** [WXZ<sup>+</sup>18]. **Cross-state** [PQ19]. **crossbar** [KK17, ZPK<sup>+</sup>14]. **crossed** [CFJW13]. **crossing** [JD12]. **crowd** [KDSS18]. **crowdsourced** [VLGV<sup>+</sup>18]. **crypto** [SA11]. **cryptographic** [ABO<sup>+</sup>17]. **Cryptoprocessor** [EHKSS19]. **cryptosystems** [AVAH18]. **CSD** [KHT<sup>+</sup>14]. **CTS** [ASSS19]. **cubes** [CFJW13, LFZ<sup>+</sup>17, LLFJ18, MKW18, WFZJ12, XHZZ16]. **cubic** [BM14]. **cuckoo** [CSW<sup>+</sup>17]. **CUDA** [BSH15, CB11, Cza13, KRKS11, LYIP19, dlAMCFN12]. **CUIRRE** [ZSW14]. **currency** [HBF12]. **current** [MMCL<sup>+</sup>17]. **curriculum** [NDW17]. **Curve** [LZY<sup>+</sup>18, SKH15]. **curves** [ST12]. **cut** [CRD17]. **cuts** [LÜ14]. **Cyber** [HRM17, QGB<sup>+</sup>17, CWCW18, CSW<sup>+</sup>17, DZC17, GQZ18, JWH<sup>+</sup>17, LLWC17, LMXJ18, MMN<sup>+</sup>18, PST<sup>+</sup>19, SLG<sup>+</sup>18, ZXMR18]. **cyber-enabled** [GQZ18, LMXJ18, ZXMR18]. **Cyber-Physical** [QGB<sup>+</sup>17, HRM17, CSW<sup>+</sup>17, JWH<sup>+</sup>17, LLWC17]. **cyberthreat** [KAA<sup>+</sup>19b]. **cycle** [LLFJ18]. **cycled** [LDZ<sup>+</sup>17, LDZ<sup>+</sup>14]. **cycles** [HBAD15, JD12, LdSB<sup>+</sup>18]. **cyclic** [SPH13, LY12].

**D** [AA14, GOH<sup>+</sup>13, AA16, BDRB14, DJDK19, GRS19, KRKS11, LXLS12, MPG17b, NM17, OGRV<sup>+</sup>12, PYP<sup>+</sup>10, SLV19, YA11, ZLS17, Zsa16]. **D-NoC** [AA16]. **DADTA** [ZLCZ18]. **daemon** [BBD18]. **DAG** [Tam18, XLHT13, ZS13]. **DAGs** [BSS<sup>+</sup>13, CDR12, MSV19]. **Dandelion** [CP10a]. **Dandelion-like** [CP10a]. **Dark** [SDS<sup>+</sup>18]. **Dark-Silicon** [SDS<sup>+</sup>18]. **Data** [AS13, AS15, BS11, CGN<sup>+</sup>13, LW19, LSWC14, LWWQ18, MD13, Ozt11, SPPA19, Str12, SFC17, SLHS19, XMMD17, ZMCP11, ZTFK16, AAA<sup>+</sup>15, AMU<sup>+</sup>19, ASB18, Amm16, AH12, AGWY11, ACPT15, AG12, APK18, AYB<sup>+</sup>15, AEY12, AK18, ARDQ18, AS18, BFH<sup>+</sup>17, BCO<sup>+</sup>12, BEN12, BMLLC<sup>+</sup>19, CF19, CMR<sup>+</sup>18, CJYC19, CGC16, CLC<sup>+</sup>17, CPLY18, CW15, CTT16, CCC<sup>+</sup>19, Cuz11, Cuz13, DF17, DMG18, DTK11a, Eck18, ECP<sup>+</sup>18, FCW11, FRM15, GYAB11, GLGLBG12, GM14b, GB11, HTB19, JLY12, JBS14, JHPL13, JHL<sup>+</sup>18, JWH<sup>+</sup>17, JdSJC<sup>+</sup>15, JKV15, KKKG14, KCR14, KSB11, KKTZ13, LWC<sup>+</sup>18, LL19, LWZZ12, LC11, LY12, LLWC17, LZWZ19, LAS<sup>+</sup>19, LBT19, LJQ<sup>+</sup>19, LSZZ15, LWW18, LZY<sup>+</sup>18, LGK<sup>+</sup>12, LSZJ15, MB19, MLK<sup>+</sup>16, MBMC19, NLB<sup>+</sup>18, NCA<sup>+</sup>12, NCB<sup>+</sup>17, NAB<sup>+</sup>11, NKK16, OWK14, OM10, OJP<sup>+</sup>18, PST<sup>+</sup>19, PS14, RBN11, RT18, RB12, Ren11, RMU14, RBA<sup>+</sup>18, RAN<sup>+</sup>17]. **data**

[RJKL11, SMW18, SHK19, SCW<sup>+</sup>18, SCMH13, SWW<sup>+</sup>17, TH19, TVT<sup>+</sup>17, TLW18, VETT18, VLGV<sup>+</sup>18, VMMB10, VRM10, WCWO17, WZZ<sup>+</sup>17, WWW17b, WCH<sup>+</sup>17, WW18a, WXMZ19, WG11, WLZ<sup>+</sup>18, XHZ<sup>+</sup>10, XSYG18, YBX<sup>+</sup>13, YZC<sup>+</sup>19, YAK15, ZV14, ZKZF18, ZLZ<sup>+</sup>19, ZV12, ZWW17, ZSCX18, ZHT16, ACB<sup>+</sup>15, LSZJ15, PJ18]. **Data-aware** [ZTFK16, AYB<sup>+</sup>15, VMMB10]. **data-centric** [LAS<sup>+</sup>19]. **data-driven** [NCB<sup>+</sup>17, WLZ<sup>+</sup>18]. **Data-flow** [SPPA19]. **Data-intensive** [ZMCP11, RBN11, WZZ<sup>+</sup>17, WG11]. **Data-oriented** [LWWQ18]. **database** [LLB<sup>+</sup>18, TR16, XLC<sup>+</sup>18]. **databases** [Ale19b, GPSH19, PLK<sup>+</sup>18]. **datacenter** [CPLY18, YYWZ19]. **datacenters** [PRN<sup>+</sup>19]. **dataflow** [ESCV15, TBG<sup>+</sup>17]. **DATALET** [PST<sup>+</sup>19]. **dataset** [YYLC11]. **datasets** [CLOL17, KSJC17, KN18b, KN18a, YÖ11, YLB<sup>+</sup>15]. **day** [TLL<sup>+</sup>18]. **day-ahead** [TLL<sup>+</sup>18]. **DCell** [WFLJ16]. **DCT** [VAF19]. **DDS** [SMPMLVLS11]. **Deadline** [RCG<sup>+</sup>11, SCW<sup>+</sup>18, LFS16, MGSG12]. **Deadline-aware** [SCW<sup>+</sup>18]. **Deadline-sensitive** [RCG<sup>+</sup>11]. **deadlines** [WMG13]. **Deadlock** [BYT19, AA14, XL11]. **deadlock-free** [AA14]. **deal** [ESGQ<sup>+</sup>14]. **debug** [MH18]. **debugging** [CV16, LZZ<sup>+</sup>11]. **Decentralised** [YZS15, DBCF13]. **Decentralized** [AM11, DW12, GHK<sup>+</sup>12, AS18, BHK17, LWH<sup>+</sup>19, MAPF14, WZQ<sup>+</sup>13]. **Decidability** [FP17]. **decision** [AKK<sup>+</sup>19, KDSS18, SV18]. **decision-making** [AKK<sup>+</sup>19]. **declustering** [WZZ<sup>+</sup>17]. **decoder** [MC17]. **decoding** [CP10a]. **decomposition** [CZZ<sup>+</sup>17, CKLW19, NST19, RSK19, WD18]. **dedicated** [HLL<sup>+</sup>19]. **deep** [CXQ<sup>+</sup>18, FFYH19, HMY<sup>+</sup>18, HKK<sup>+</sup>18, SRB<sup>+</sup>19, TLL<sup>+</sup>18, WW18b, WBS19, WDS<sup>+</sup>18, XCC<sup>+</sup>19, ZWW17, ZHG<sup>+</sup>19, MLCFH<sup>+</sup>18]. **defense** [WHW<sup>+</sup>19]. **deformable** [SQQL19]. **degree** [BCF14, BPBR11, KSK15, Sta17]. **Deister** [WZZ<sup>+</sup>17]. **Delay** [AH11, GZG<sup>+</sup>17, Hu11, GL12, Li19b, NLB<sup>+</sup>18, WW12, WYW15, WHC<sup>+</sup>18, WHS<sup>+</sup>18, YA11, YWG15, ZWW17, KSSK16]. **delay-aware** [WHC<sup>+</sup>18]. **Delay-sensitive** [Hu11, NLB<sup>+</sup>18]. **Delay-tolerant** [AH11, WYW15]. **delays** [RWB<sup>+</sup>13, WPC19]. **deliveries** [WE13]. **Delivery** [THGY15, AH11, WLZ<sup>+</sup>18, ZLT<sup>+</sup>19]. **Dellat** [THGY15]. **Delta** [ASB18, WBS19]. **demand** [HZDP12, KyLPC17, LSZZ15, NKK16, YYLC11]. **demands** [SLW10]. **Denial** [BK18]. **Denial-of-Service** [BK18]. **denoising** [TLL<sup>+</sup>18]. **dense** [FHL<sup>+</sup>15, ICQO<sup>+</sup>12, LKD14, RM10]. **densities** [LHWJ19]. **Density** [MC17, BAT<sup>+</sup>19, WCXL11]. **dependability** [CJA<sup>+</sup>19]. **dependability-driven** [CJA<sup>+</sup>19]. **dependable** [NPGV10]. **dependence** [NCA<sup>+</sup>12]. **dependencies** [ZLKK19]. **dependency** [CSJ<sup>+</sup>13]. **dependency-timing** [CSJ<sup>+</sup>13]. **dependent** [LSWC14]. **deployable** [YC12]. **deployment** [EM11, SMO<sup>+</sup>18, TWQS12]. **depth** [YWJ<sup>+</sup>18]. **describe** [JWH<sup>+</sup>17]. **description** [MRS<sup>+</sup>14]. **descriptor** [HN19]. **descriptors** [LNW<sup>+</sup>12]. **Design** [AFA13, AM17, AC16, CTKA17, CKK<sup>+</sup>13, DR19, JZZ<sup>+</sup>17, LLKY13, MP10, PD19, PMCC18, RBG17, SDS<sup>+</sup>18, Sol13, TTH12, ZPK<sup>+</sup>14, Ada17, ABLP17,

BBH<sup>+17</sup>, BMS19, CG11, CSJ<sup>+13</sup>, CK13, CHX<sup>+17</sup>, DFHH13, EFG<sup>+14</sup>, FHL<sup>+15</sup>, FCG<sup>+14</sup>, HKK<sup>+18</sup>, KMC16, LÜ14, MCM<sup>+11</sup>, NV19, ORWT<sup>+18</sup>, OMT<sup>+17</sup>, RA11, SDS10, VRGS17, VLL<sup>+14</sup>, Wu11, ZMZJ17, ZY12].  
**designed** [BSH15]. **Designing** [BBBC12, FSP18, GMS<sup>+13</sup>, YCH<sup>+10</sup>, YFBY17]. **designs** [MC17, Man13, PGRP17]. **Desktop** [LSH<sup>+13</sup>, AAD10]. **detect** [UGG<sup>+11</sup>].  
**Detecting** [CL14, SKK14, YXX13, TAM<sup>+19</sup>]. **Detection** [SQQL19, SJS11, YHWY18b, AKK<sup>+19</sup>, AFD<sup>+11</sup>, CDW<sup>+19</sup>, DKKV15, ECWV19, GDCC18, GHIJ19, HMY<sup>+18</sup>, IZ12, KCFP18, Ksh12, KKTZ13, LLLC15, LLWC17, LHLM14, NHO<sup>+13</sup>, PMHM19, PH16, RLP14, ST12, SMP17, TRS<sup>+12</sup>, TY17, TCS<sup>+10</sup>, WL11, WML<sup>+18</sup>, WXZ<sup>+18</sup>, XL11, XTN12, XSYG18, YDZ<sup>+18</sup>].  
**detector** [DMI<sup>+19</sup>]. **detectors** [AAI<sup>+15</sup>, BGBC<sup>+16</sup>]. **deterministic** [GTGLSA12, MPR19, WZZ<sup>+17</sup>, ZLWL12]. **Development** [KHT<sup>+14</sup>, AM17].  
**device** [PVP18, VFAD17]. **devices** [Kim17, MXSL12, WCF14]. **DGIN** [KMC16]. **DGIN-3** [KMC16]. **DHT** [CTT16, HASB16]. **DHT-based** [CTT16]. **DHTs** [GTGLSA12, SAL10]. **diagnosis** [CJA<sup>+19</sup>, CAF<sup>+11</sup>, VS18].  
**Diagnostics** [DMG18]. **diameter** [BBD18]. **difference** [CLXX19, SS11].  
**different** [CG17, LCB16, MFT<sup>+19</sup>]. **Differential** [CDD<sup>+19</sup>, URK<sup>+19</sup>, WLYS19, WRW13]. **differentiation** [MCZ14].  
**Diffusion** [DM17, HES11, ZXGD18, Zsa16]. **diffusion-drift** [HES11].  
**diffusion-limited** [Zsa16]. **dilation** [LST17]. **Dimension** [CFJW13].  
**Dimension-adjacent** [CFJW13]. **dimensional** [ANEA13, CMR19, DTK11b, GB11, HN19, HS17, KKN13, KN18b, KN18a, LZY11, LZWZ19, LDS16, WRW13]. **dimensionality** [BV13]. **dining** [AFNT17]. **DINO** [RMHR17]. **Direct** [FLC14, MRJ<sup>+19</sup>, SWHB17, PPTV<sup>+10</sup>, Tam18]. **directed** [MTM10, TDP15]. **Direction** [BEN12, MSAZ10a, MSAZ10b].  
**Direction-based** [BEN12, MSAZ10a, MSAZ10b]. **directions** [ACB<sup>+15</sup>, PSC<sup>+16</sup>]. **Directive** [MM15]. **Directive-based** [MM15].  
**directory** [SB15, VRGS17]. **disaster** [SZB16]. **Disconnected** [GHIJ19, MCS14]. **Discovering** [TFV19]. **discovery** [CKC19, FZ14, REZN17, RSL12, SMPMLVLS11, SK11, ZAB18, ZMG<sup>+16</sup>].  
**discrete** [AZC13, IIH16, Li16, PQ19, SS17]. **discretization** [SWLZ17].  
**disease** [VS18, ZXGD18]. **disjoint** [HBAD15, KMC16, Lai14, Lai15, Lai17, MT14, SMP17, WFLJ16]. **disk** [GGY19, JPD17, KR12, NC13, NZY<sup>+11</sup>, SRT<sup>+18</sup>, XS11]. **disk-assisted** [SRT<sup>+18</sup>]. **Disks** [KR11, RWB<sup>+13</sup>]. **dispatch** [YZS15]. **disruptive** [SI13].  
**dissemination** [AHZ11, DF17, LWW19, MSF<sup>+13</sup>, WW18a]. **Distance** [NM17, Tur12]. **distance-** [Tur12]. **distinguishability** [ZCW19]. **Distrib** [KN18b, LSS<sup>+11a</sup>, MSAZ10a, PCX<sup>+14</sup>, REK10a]. **Distributed** [AAA<sup>+15</sup>, AK17, AS13, ABLP17, BWP<sup>+11</sup>, CG11, CFI<sup>+18</sup>, CWCW18, CWD11, Cuz11, DFLO17, DDE19, FTM<sup>+14</sup>, FPS11, GHY10, GMSS<sup>+11</sup>, GZY14a, HWLR14, HWY<sup>+10</sup>, JPD17, JKD<sup>+15</sup>, KSSL16, KDO<sup>+13</sup>, KKH17, KSK15, KRS13, KKTZ13, Las12, LLWC17, LACJ18, LK11, MSGS<sup>+13</sup>,



MNK12, OY13, PSRS12, PBB<sup>+</sup>17, PRS14, SHSH17, SLG<sup>+</sup>18, TH11, TT10, TSFZ14, Ale19b, ACCP12, AAI<sup>+</sup>15, AM11, BBCQ13, BDL<sup>+</sup>19, Ben19, BCMV15, BOKS19, BHLT14, BFL<sup>+</sup>13, BLZ<sup>+</sup>18, BJ18, CG12, CGL<sup>+</sup>14, CRHC19, CVK<sup>+</sup>18b, CKWT17, CKLW19, CTT16, Cuz13, DB11, DLM19, DKM10, DTK11a, Eij18, EHL<sup>+</sup>15, ES12, FFYH19, FPF14, FKR<sup>+</sup>17, Fu10, FLC14, FLM<sup>+</sup>19, GYAB11, GL12, GN15, HD10, HLL<sup>+</sup>19, HHK15, JF12, JKIE13, JZZ<sup>+</sup>17, Kak15, KHW13, KSG13, Kim11, KKS<sup>+</sup>12, KCFP18, KS13, LL19, Las13, LASS15, LdPLC<sup>+</sup>19, LL18, LWW19, LYIP19, Lop13].

**distributed** [Lop18, LS19, LSZJ15, MLZY17, MAPF14, MA11, MBMC19, MPR19, NSAS10, NL19, NML<sup>+</sup>19, NTN12, NDW17, NSDZ18, OPR18, PKN10, PC11, Pet19, PH16, PMdO11, PGKV18, PRN<sup>+</sup>19, RLP14, RAN<sup>+</sup>17, RDA18, SSKS11, SW12, SMP15, SB15, SCMS12, SS18, SCM13, ST14, SLKK13, Suk18, TLLV10, TXLL14, TM10, TVT<sup>+</sup>17, TWQS12, WL11, WML<sup>+</sup>18, WHC<sup>+</sup>18, WD13, WSLC11, WZQ<sup>+</sup>13, YZS15, YHWY18a, YHWY18b, YLB<sup>+</sup>15, YZG18, YWG15, ZAB18, ZLKK19, ZZJ<sup>+</sup>18, ZCMY12, ZTFK16, ZBW<sup>+</sup>17, ZHG<sup>+</sup>19, DLLL11].

**Distribution** [SLW10, KG19, Li17, NM17, SFHS19, WZZ<sup>+</sup>17, gWW18, YJL16].

**distributions** [BKMT14, PCX<sup>+</sup>11, PCX<sup>+</sup>14].

**DITVA** [KCSS18].

**Divergent** [RMHR17].

**diversity** [SSFP11].

**divide** [GDL<sup>+</sup>11, PV19, TP18].

**divide-and-conquer** [GDL<sup>+</sup>11, PV19].

**divisible** [BD11, CG12, HV13, KVA18, LML<sup>+</sup>10, MLDG12].

**division** [Dav17, HRG<sup>+</sup>11].

**do** [LTG14, KMS10].

**Do-All** [KMS10].

**Docker** [MFT<sup>+</sup>19].

**document** [SGVRP19, UGG<sup>+</sup>11, ZMCP11].

**document-similarity** [UGG<sup>+</sup>11].

**doing** [MBG<sup>+</sup>17].

**DOM** [WXZ<sup>+</sup>18].

**Domain** [CZZ<sup>+</sup>17, KRS13, KRS14, MRS<sup>+</sup>14, RMGM19, SS11, WMC<sup>+</sup>18].

**Domain-Specific** [KRS13, KRS14, MRS<sup>+</sup>14, RMGM19].

**dominated** [AM12b].

**dominating** [JPD17, YSS11, YWW12].

**domination** [GK10].

**dOpenCL** [KSG13].

**Double** [GVBB13, XLHT13].

**Douglas** [HGX<sup>+</sup>19].

**DPI** [HVW16].

**dragonfly** [BFVB19].

**DRAM** [ZLH<sup>+</sup>18].

**DRAM/NVM** [ZLH<sup>+</sup>18].

**Drawing** [DP12].

**drawings** [JD12].

**drift** [HES11].

**drive** [LTG14].

**driven** [ASES15, CJA<sup>+</sup>19, CTT16, LWZZ12, LS10, LJQ<sup>+</sup>19, LGK<sup>+</sup>12, MBS<sup>+</sup>12, NCB<sup>+</sup>17, SS18, TLQS12, TAM<sup>+</sup>19, WLZ<sup>+</sup>18, XLL15].

**drives** [GFPC14].

**DSL** [MRJ<sup>+</sup>19].

**DSL-based** [MRJ<sup>+</sup>19].

**DSP** [DSEP17].

**DSPONE48** [DSEP17].

**DTNs** [MPS16].

**Dual** [ACCP12, LSXX14].

**duplication** [STK11, TLLL10, WCEA10].

**duty** [LDZ<sup>+</sup>17, LDZ<sup>+</sup>14].

**duty-cycled** [LDZ<sup>+</sup>17, LDZ<sup>+</sup>14].

**DV** [CSW<sup>+</sup>17].

**DV-Hop** [CSW<sup>+</sup>17].

**DVFS** [CG17, ECLV12, LSC<sup>+</sup>15, RTZ11].

**DVFS-based** [RTZ11].

**DVS** [ZHLQ12].

**DVS-enabled** [ZHLQ12].

**Dwarf** [DTK11a].

**Dynamic** [AAD10, ANEA13, CDAN14, DB11, GM14b, KCSS18, KR10a, KVA18, MD13, MB19, NPVG<sup>+</sup>19, OOSGVG<sup>+</sup>16, SHSH17, SS17, TT10, TDP15, AKSZ19, BBCQ13, BCF14, CSMML10, CPLY18, CKML12, CWD11, DLW<sup>+</sup>12, GÖÖ16, GFPC14, JBA15, KZ11, LGZ<sup>+</sup>10, Li10, LLY15, LFEP19, LLW12, MYYY17, MCS14, NDP13, NLB<sup>+</sup>18, NHO<sup>+</sup>13, PKN10, PW17, RK18, RCG18, SNMB16, SSM<sup>+</sup>16, SSdB<sup>+</sup>10, SZB16, TW15, TMK<sup>+</sup>17,

WW12, WXZ<sup>+</sup>18, XLC<sup>+</sup>18, YS11, ZXYO11, ZCS<sup>+</sup>18]. **dynamic-warp** [NHO<sup>+</sup>13]. **Dynamically** [PPP14, GK15, MSV19, ORWT<sup>+</sup>18]. **dynamics** [CDPS18, DAG<sup>+</sup>17, LHWJ19, LGRV19, PARB14, PTK<sup>+</sup>13, WYTX13].

**e-infrastructure** [HPB<sup>+</sup>10]. **e-payments** [CSS11]. **e-voting** [LWH<sup>+</sup>19]. **Eagle** [KS18]. **Early** [GRJ<sup>+</sup>15, AMT13]. **early-stopping** [AMT13]. **ECG** [ZAAB17]. **ECHO** [HASB16, SAL10]. **ecosystem** [LZN19]. **EDF** [dOCS14]. **Edge** [AMU<sup>+</sup>19, HAC<sup>+</sup>19, HRH18, HBAD15, TPS<sup>+</sup>18, TPJ<sup>+</sup>19, WZX<sup>+</sup>19, Ale19b, Ale19a, JTC<sup>+</sup>18, KCFP18, LBT19, LYJ<sup>+</sup>19, LWWQ18, MS19, MA19, PRN<sup>+</sup>19, Udd19, WZH<sup>+</sup>19, YWJ<sup>+</sup>18, ZCS<sup>+</sup>18, ZGW<sup>+</sup>19]. **Edge-of-things** [AMU<sup>+</sup>19]. **edge/cloud** [Ale19b, MA19]. **edges** [BKCM17]. **editing** [LHCC19]. **Editor** [Pra16]. **Editor-in-Chief** [Pra16]. **Editorial** [AS15, Ano18v, Ano18w, Ano18x, Ano18q, CGFH19, Hol17, SLL18, STS19, DF12, Ano11a, Ano11b, Ano11c, Ano11d, Ano11e, Ano11f, Ano11g, Ano11h, Ano11i, Ano12a, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano12i, Ano12j, Ano12k, Ano12l, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano13g, Ano13h, Ano13i, Ano13j, Ano13k, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k, Ano17l, Ano17m, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h]. **Editorial** [Ano18i, Ano18j, Ano18k, Ano18l, Ano18m, Ano18n, Ano18o, Ano18p, Ano18r, Ano18s, Ano18t, Ano18u, Ano19a, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j, Ano19k, Ano19l, Ano19m, Ano19n, Ano19o, Ano19p, Ano19q, Ano19r, Ano19s, Ano19t, Ano19u, Ano19v, Ano19w, Ano19x]. **Editors** [Ano16k, TFV<sup>+</sup>15]. **Edu** [PGKV18]. **Edu-2016** [PGKV18]. **educating** [LMB<sup>+</sup>17]. **education** [APV18, BLZ<sup>+</sup>18, CVK<sup>+</sup>18b, Hua17, MBG<sup>+</sup>17, Nee17, NKSA17, NSDZ18]. **Effective** [KO11, AMU<sup>+</sup>19, AM12a, BV13, BCK<sup>+</sup>13, Cza13, DJDK19, FZWL12, FWM<sup>+</sup>10, JLWX11, KHW13, LJQ<sup>+</sup>19, NML<sup>+</sup>19, SNCP12, WMY<sup>+</sup>17, YCH<sup>+</sup>10]. **effectiveness** [MA11]. **Efficiency** [LdSB<sup>+</sup>18, AHG12, AG12, BC11, BYH<sup>+</sup>17, ESCV15, FRM15, FCP<sup>+</sup>15, HRM17, HJLR12, LB12, LHW<sup>+</sup>19, PB19, Ren11, SWHB17, SHC14, VETT18]. **Efficient** [AZC13, BCO<sup>+</sup>12, BM16, CWP12, HASB16, IR12, JBS14, KK10, KS13, KR11, LHHH11, LDP<sup>+</sup>14, LJZ<sup>+</sup>19, LZWZ19, LW19, MLDG12, MB13, ND12, PP13, Pen11, RV13, Rao16, RMU14, SMP15, Sch13, SSGG18, SMP17, SWLZ17, SCLL10, Tur12, UFF19, WCCH18, XLH18, YTH<sup>+</sup>19, ZHG<sup>+</sup>19, dSAJ15, AAH17, AFA13, ARI17, Ale19a, ACA<sup>+</sup>19, Ara13, AS19b, BFH<sup>+</sup>17, BM11, BKC<sup>+</sup>15, BK13, BDL<sup>+</sup>19, BOY10, BBD18, BCK<sup>+</sup>13, BHK17, CWZ<sup>+</sup>18, CMR<sup>+</sup>18, CP10b, CMN12, DKM10, ESGQ<sup>+</sup>11, EDH<sup>+</sup>17, FTM<sup>+</sup>19, GDCC18, GKS15, GYP13, HSS10, HBSASA19, HZHS18, IEWK17, KTP17, KVA18, KyLPC17, KHK18, Kol19, KSSK16, LK13, Lai14, LW16a, LLB<sup>+</sup>18, LSC<sup>+</sup>15, LZY<sup>+</sup>18, LL18, LCJ<sup>+</sup>18, LLDL15, LFEP19, MGSG12, MNR<sup>+</sup>19,

MSF<sup>+13</sup>, MPS16, MPN17, MAHKZ12, MCP<sup>+18</sup>, NMS<sup>+18</sup>, NF16, PPSV15, RM11, RLA<sup>+16</sup>, RLA<sup>+17</sup>, RFS<sup>+12</sup>, RT18, RGAN18, SB12, SZMK13, SJG19]. **efficient** [Tam18, TLY12, TGPUC16, TMK<sup>+17</sup>, TLL<sup>+18</sup>, UBES10, VRGS17, VAF19, WLST16, WTWZ16, WHC<sup>+18</sup>, WIB12, WH17, gWW18, XLC<sup>+18</sup>, XCC<sup>+19</sup>, XHZ<sup>+10</sup>, YSS11, YLB<sup>+15</sup>, ZCMY12, ZLL14, ZSCX18, ZWWX16, ZLCZ18, ZHLQ12, ZTGL17]. **effort** [QGZP17]. **EFS** [MSK<sup>+16</sup>]. **egress** [MCAS12]. **eigenanalysis** [TYA16]. **eigensolver** [ABGV11]. **Eisenstein** [HBAD15, HS17]. **Elastic** [FGG17]. **elasticity** [LHNBB19, MMVL11]. **elderly** [HRM17]. **election** [DLV11, DGDF10]. **electric** [AK18, AKS19]. **electricity** [TLL<sup>+18</sup>]. **electron** [DAG<sup>+17</sup>]. **electrophysiological** [HES11]. **Element** [PPTV<sup>+10</sup>, FC14, Ren11]. **elimination** [ESGQ<sup>+11</sup>]. **elliptic** [SKH15]. **ELLPACK** [ZGG<sup>+14</sup>]. **ELLPACK-based** [ZGG<sup>+14</sup>]. **ELM** [CLOL17]. **EM-KDE** [EHL<sup>+15</sup>]. **embedded** [BM17a, CNLGRL18, CRJ10b, FWM<sup>+10</sup>, GZG<sup>+17</sup>, HLL<sup>+19</sup>, LLC15, LCB16, MGRRK14, NL19, XLL15, XLPL19, YZX11, FWM<sup>+10</sup>]. **Embedded-TM** [FWM<sup>+10</sup>]. **Embedding** [PW16, CRHC19, LFZ<sup>+17</sup>, PW17, YLZW18]. **embeddings** [LLFJ18]. **emergency** [HPB<sup>+10</sup>]. **emerging** [BKC<sup>+15</sup>, KHT<sup>+14</sup>]. **Emitter** [FPM<sup>+14</sup>]. **Emitter-coupled** [FPM<sup>+14</sup>]. **Empirical** [LGK<sup>+12</sup>, NXTK17]. **Employing** [PKW<sup>+10</sup>]. **Emulating** [KMS10]. **emulation** [LST17]. **enabled** [CSL15, GQZ18, GRJ<sup>+15</sup>, HTB19, LMXJ18, NML<sup>+19</sup>, SLZ<sup>+19</sup>, TODQ18, ZXMR18, ZHLQ12]. **Enabling** [ETS14, FCG<sup>+14</sup>, JKIE13, SA19, TT10, ZCF<sup>+17</sup>, DKKV15, HRH18]. **encoders** [TLL<sup>+18</sup>]. **encoding** [CP10a, WLCZ15, ZWQ<sup>+16</sup>]. **encrypted** [LZWZ19, SWW<sup>+17</sup>, ZHT16]. **encryption** [WXMZ19, WCCH18, ZAAB17]. **End** [Ano10a, Ano10b, Ano11j, Ano11k, Ano12m, Ano12n, Ano14f, Ano14g, Ano15k, ZLCJ12, CF19, CXQ<sup>+18</sup>, ORWT<sup>+18</sup>, RSVW19, WG11, XLL15]. **End-to-end** [ZLCJ12, RSVW19, WG11, XLL15]. **enDebug** [CV16]. **endurance** [WCWO17]. **Energy** [ACA<sup>+19</sup>, AKSZ19, BOY10, BYH<sup>+17</sup>, DKM10, FWM<sup>+10</sup>, GQZ18, GYP13, KR12, LK13, LBMG15, LL10, LW16a, Li16, LNAL17, LSC<sup>+15</sup>, LY13, MSG12, MTL<sup>+18a</sup>, NMS<sup>+18</sup>, RM11, SP13, SSG13, WHC<sup>+18</sup>, WH17, XHZ<sup>+10</sup>, ZZJ<sup>+18</sup>, AS19a, AHG12, AK18, CV16, ECLV12, FRM15, FCJG<sup>+18</sup>, FCP<sup>+15</sup>, GHY10, GDCC18, GMRRG19, GL12, GPSh19, HRM17, JZZ<sup>+17</sup>, JZF<sup>+15</sup>, KR10a, KyLPC17, KCR14, KSSK16, LR14, LL12b, LLCZ19, Li19b, LZC11, LLDL15, LCB16, LFEP19, MNR<sup>+19</sup>, MMK<sup>+11</sup>, NS12, OMT<sup>+17</sup>, PCMM<sup>+17</sup>, PB19, RWB<sup>+13</sup>, RLA<sup>+16</sup>, RLA<sup>+17</sup>, RFS<sup>+12</sup>, RT18, RTZ11, TLY12, URK<sup>+19</sup>, UMM<sup>+18</sup>, VRGS17, WLST16, gWW18, XS11, XLPL19, YL12, YZS15, YAK15, ZW11, ZWY<sup>+15</sup>, ZWWX16, ZLCZ18, ZHLQ12, MSK<sup>+16</sup>]. **Energy-aware** [GQZ18, LBMG15, LNAL17, LY13, FCJG<sup>+18</sup>, LR14, LLCZ19, MMK<sup>+11</sup>]. **energy-constrained** [JZZ<sup>+17</sup>]. **Energy-efficient** [DKM10, GYP13, LK13, LW16a, LSC<sup>+15</sup>, MSG12, NMS<sup>+18</sup>, WHC<sup>+18</sup>, WH17, XHZ<sup>+10</sup>, GDCC18, KyLPC17, KSSK16, LLDL15, MNR<sup>+19</sup>, TLY12, VRGS17, WLST16, ZHLQ12]. **Energy-Friendly** [MSK<sup>+16</sup>].

**energy-performance** [ECLV12]. **energy/power** [OMT<sup>+</sup>17].  
**energy/power-aware** [OMT<sup>+</sup>17]. **enforcing** [Kub17]. **engine**  
 [HVW16, XTN12, XP10]. **engineer** [GS18]. **engineering**  
 [BCD<sup>+</sup>15, CCE<sup>+</sup>17, Nee17]. **enhance** [DZC17]. **Enhanced**  
 [MD13, RK18, LLDL15, dOBG<sup>+</sup>15]. **EnhancedBit** [ARD14]. **enhancement**  
 [KS18, NGQM12, TBG<sup>+</sup>17]. **enhancements** [ESGQ<sup>+</sup>18, LÜ14]. **Enhancing**  
 [CGN<sup>+</sup>13, GRR13, HWLR14, dAMFdS13, MH18, OM10, QGZP17, VETT18].  
**ensemble** [KBC19, SV18]. **entangled** [EAB<sup>+</sup>19]. **enterprise**  
 [GSASA19, LSH<sup>+</sup>13]. **entity** [MPN17]. **entropy** [DFHH13]. **enumeration**  
 [WCH<sup>+</sup>17]. **Environment** [CSMML10, GYAB11, AKSZ19, Ben19, BLZ<sup>+</sup>18,  
 JLWX11, KK10, LL18, MYYY17, MLK12, PST<sup>+</sup>19, SSKS11, VD18, WD13].  
**Environment-conscious** [GYAB11]. **environments** [CF19, CPJ<sup>+</sup>19,  
 CTKA17, DWX10, ECP<sup>+</sup>18, ECLV12, FRM15, FCJG<sup>+</sup>18, FMIF18, KV10,  
 KLJ<sup>+</sup>11, KCFP18, Ksh12, LSH<sup>+</sup>13, LML<sup>+</sup>10, LSWC14, MSRB19, NPS<sup>+</sup>19,  
 SJB12, SZB16, SZL10, SJS11, TZI11, WMES12, WG11, YWG15, ZLWZ18].  
**Ephemeral** [AGMS16]. **epidemic** [AHZ11, LpJS<sup>+</sup>18, MSF<sup>+</sup>13].  
**epidemiological** [Rao16]. **EPLS** [CLC<sup>+</sup>17]. **equation** [JGMY17, WJ14].  
**equations** [SPH13, Ter16]. **equivalencing** [ES12]. **era** [MBG<sup>+</sup>17, SC10].  
**Erlang** [CLG<sup>+</sup>16]. **error** [BGBC<sup>+</sup>16, DFHH13, OWK14]. **error-prone**  
 [OWK14]. **error-resilient** [DFHH13]. **errors** [BCC<sup>+</sup>18]. **establishing**  
 [GPJA10]. **establishment** [SZMK13]. **estimate** [BKK<sup>+</sup>11]. **estimates**  
 [TDBL13]. **Estimating** [LGL13]. **Estimation**  
 [GMRRG19, KC17, gWW18, ZRN<sup>+</sup>14, DLLL11]. **estimator** [SIY14].  
**evaluate** [dOCS14]. **Evaluating** [AFNT17, Ale19b, MMN<sup>+</sup>18]. **evaluation**  
 [ASHO19, AMSÅ19, AB13, CTKA17, CB11, dADC18, DR19, DMS<sup>+</sup>16,  
 HBS17, HTB19, LZY11, LNW<sup>+</sup>12, MGRRK14, PMCC18, SA11, Sol13, SE15,  
 WLZ<sup>+</sup>18, YL12]. **evasion** [YpGyLIC13]. **Event**  
 [ECP<sup>+</sup>18, AZC13, BM17b, CM12, FX10, JKD<sup>+</sup>15, PQ19, SW12, WZQ<sup>+</sup>13].  
**Event-based** [ECP<sup>+</sup>18]. **events** [PQ19]. **everybody** [KSSK16].  
**Everything** [NPS<sup>+</sup>19]. **EvoDeep** [MLCFH<sup>+</sup>18]. **Evolution**  
 [CDD<sup>+</sup>19, RBB17, HWY<sup>+</sup>10, Li10, SV18, WRW13]. **Evolutionary**  
 [YLZW18, AS19a, COF<sup>+</sup>17, HD10, MLCFH<sup>+</sup>18, RPN19, Tal19]. **evolvable**  
 [KKKP12]. **exact** [GA18, PB15, XP10]. **exascale**  
 [APV18, CCAAS19, RPS19]. **exchange** [CMR<sup>+</sup>18, ECP<sup>+</sup>18, NKK16, PW16].  
**exclusion** [Ara13, LASS15, NTN12, RDA18]. **exclusive** [DMI<sup>+</sup>19, WW18a].  
**executing** [Sol13]. **execution** [CWCW18, ESCV15, GYY<sup>+</sup>14, LFS16, LR14,  
 LPK<sup>+</sup>10, Li19b, MTL<sup>+</sup>18b, PP13, PSB<sup>+</sup>19, WLST16, uRIL<sup>+</sup>18, dKG<sup>+</sup>10].  
**executions** [FCP<sup>+</sup>15, KVVN17, RV13]. **exercises** [Suk18]. **expanding**  
 [RM10]. **Expansion** [LY12]. **Expectation** [YZG18]. **Experience**  
 [FTK14, MSRB19, LBT19, NGQM12]. **experiences** [GRJ<sup>+</sup>15].  
**Experimental** [CKT11, dADC18, GHC<sup>+</sup>17]. **experiments** [LYW<sup>+</sup>16].  
**explicit** [RCG<sup>+</sup>11, Rao16]. **exploit** [YCH<sup>+</sup>10]. **exploitation**  
 [SWLP19, VFAD17]. **Exploiting** [CDD<sup>+</sup>19, CB15, FTM<sup>+</sup>19, LKS14,  
 MFT<sup>+</sup>19, RGAN18, VBF13, WYTX13, ZLWL12, CDAN14]. **Exploration**

[SDS<sup>+</sup>18, BKC<sup>+</sup>15, CKK<sup>+</sup>13, LLKY13, NV19, OT19, TKKH17]. **Exploring** [ARP18, NXTK17, PCMM<sup>+</sup>17, ROB<sup>+</sup>18]. **express** [APRA18]. **expression** [CLXX19]. **expressions** [LGK<sup>+</sup>12]. **expressiveness** [HdR13]. **extended** [LWWQ18, YWW12]. **Extending** [CMR10, EMC19]. **Extensible** [FLCB10, HGFF10]. **extracting** [BCH15]. **extraction** [CLC<sup>+</sup>17, LLS<sup>+</sup>16, MM15, WZY<sup>+</sup>19, dAT17]. **extractive** [SGVRP19]. **Extrapolated** [DM17]. **extremal** [FSV14]. **Extreme** [SFT<sup>+</sup>13, YZW<sup>+</sup>15].

**fabric** [PD19]. **fabrics** [ZRN<sup>+</sup>14]. **face** [CMN12, NHO<sup>+</sup>13]. **Facial** [CLXX19]. **facilitate** [Udd19]. **factorization** [CLW<sup>+</sup>19, CASD18, FHL<sup>+</sup>15, OT19, SLV19]. **fail** [BCC<sup>+</sup>18]. **fail-stop** [BCC<sup>+</sup>18]. **failovers** [SI13]. **Failure** [AAI<sup>+</sup>15, Fu10, JAB12, BKMT14, FX10, JKIE13, KV10, LGZ<sup>+</sup>10, PCLP16, YHWY18b, JKIE13]. **Failure-aware** [Fu10, JAB12]. **failures** [DGDF10, LY10, SCMS12]. **Fair** [BHLT14, KNHH18, Tau16, AS19b, LASS15, SPC<sup>+</sup>17, SCG10, ZLL14, ZQMM11]. **Fair-share** [KNHH18]. **fairness** [Ara13, SHC14, ZLCJ12]. **false** [LLWC17]. **families** [FSV17]. **farms** [JTZZ11, MCP<sup>+</sup>18]. **Fast** [BV13, CXX<sup>+</sup>18, CDY<sup>+</sup>19, DMK19, HZA<sup>+</sup>15, KSSG14, LYIP19, SWLP19, TPLY18, ZLZ<sup>+</sup>19, AGMS16, BBBC12, BFKW13, BHK17, Can18, NV19, PH16, WWW17a, WZY<sup>+</sup>19, WJ12, XLH18, CVK<sup>+</sup>18a]. **Fat** [Zah12, ESGQ<sup>+</sup>11, ESGQ<sup>+</sup>14, YMLP14]. **Fat-tree** [Zah12]. **fat-trees** [ESGQ<sup>+</sup>11, ESGQ<sup>+</sup>14, YMLP14]. **Fattened** [GMVRS16]. **Fault** [ABBD14, BKMT14, CLMRL15, DBCF13, JBA15, LFZ<sup>+</sup>17, MPG17b, XHZZ16, AA14, AA16, ANEA13, ARVZ14, BJ15, CAF<sup>+</sup>11, DTK11a, FABG<sup>+</sup>19, JBS14, KG10, LHLM14, LFGM17, LAC18, MSEM<sup>+</sup>19, PD19, PAS15, TCHC12]. **fault-tolerance** [BJ15]. **Fault-tolerant** [ABBD14, BKMT14, JBA15, LFZ<sup>+</sup>17, XHZZ16, AA14, AA16, ANEA13, DTK11a, FABG<sup>+</sup>19, JBS14, KG10, TCHC12]. **faults** [CP17, LLEFJ18, PMHM19]. **FCFS** [Ara13]. **FDTD** [SS11]. **feasibility** [MAKWZ13, RB12]. **Feasible** [ESGQ<sup>+</sup>18]. **feature** [CLC<sup>+</sup>17, DKC14, LLS<sup>+</sup>16, PLSM18]. **features** [CGC16, LMXJ18, dAT17]. **federated** [SJB12, TODQ18]. **federated-IoT-enabled** [TODQ18]. **federation** [CTC<sup>+</sup>10]. **Feedback** [MTM10, HWL18]. **Feedback-directed** [MTM10]. **few** [Sch14]. **FFT** [DMK19, JGMY17, VAF19, WJ14]. **field** [EAB<sup>+</sup>19]. **fields** [LdPLC<sup>+</sup>19]. **File** [HWLR14, ZLH<sup>+</sup>18, CTC11, DT11, DLW<sup>+</sup>12, KYS13, LHZ<sup>+</sup>18, MXSL12, No12, SSX14, WZZ<sup>+</sup>17]. **files** [ARDQ18, WJ12]. **filling** [ST12]. **Filter** [VRGS17, SMPMLVLS11]. **filter-based** [SMPMLVLS11]. **filtered** [LKB<sup>+</sup>15]. **filtering** [BW18, ZLJ<sup>+</sup>19]. **financial** [CLZ19, PVRS17]. **Finding** [FSV14]. **Fine** [Man13, MPV12, CHLL18, ZCF<sup>+</sup>17]. **Fine-grained** [Man13, CHLL18, ZCF<sup>+</sup>17]. **finite** [FC14, LWCC15, SS11, PPTV<sup>+</sup>10]. **finite-difference** [SS11]. **FireGrid** [HPB<sup>+</sup>10]. **first** [DAG<sup>+</sup>17, MB13, MAKWZ13, SWHB17, ZCS<sup>+</sup>18]. **first-principles** [DAG<sup>+</sup>17]. **fission** [GÖÖ16]. **fitness** [YXW<sup>+</sup>18]. **fitting** [LZY<sup>+</sup>18].

**FIWARE** [AMSÅ19]. **Fixed** [KP17, MT14]. **flabellate** [LSS<sup>+</sup>11a, LSS<sup>+</sup>11b]. **flags** [TdAR18]. **FLAME** [ICQO<sup>+</sup>12]. **flash** [No12]. **Flexible** [JWSG14, CS17, HCM11, LL12a, LFEP19, SDS10]. **flip** [LDS16]. **Floating** [CNLGRL18, Can18, Dav17]. **Floating-point** [CNLGRL18]. **Flocking** [TWQS12]. **Flooding** [BCF14]. **Flow** [JBA15, CWP12, JTZZ11, KM17, LFEP19, NPE<sup>+</sup>19, SPPA19, ZCW19]. **flow-level** [NPE<sup>+</sup>19]. **flows** [VBDRC13]. **flowshop** [CB11]. **fluid** [CVK<sup>+</sup>18a, LGRV19]. **fluids** [JdSJC<sup>+</sup>15]. **FluteDB** [LLB<sup>+</sup>18]. **FMM** [LPLFMC<sup>+</sup>12]. **FOCAN** [NPS<sup>+</sup>19]. **focus** [DSEP17]. **focusing** [FSP18]. **Fog** [NPS<sup>+</sup>19, NML<sup>+</sup>19, JHL<sup>+</sup>18, WML<sup>+</sup>18, SAR<sup>+</sup>18, MSRB19]. **fog-based** [WML<sup>+</sup>18]. **Fog-supported** [NPS<sup>+</sup>19]. **folded** [Lai14, Lai17]. **food** [CXX<sup>+</sup>18]. **footprint** [MSV19]. **foraged** [PST<sup>+</sup>19]. **forces** [LHWJ19]. **forecasting** [TLL<sup>+</sup>18]. **forest** [CFL<sup>+</sup>19]. **ForestLayer** [ZHG<sup>+</sup>19]. **forests** [ZHG<sup>+</sup>19]. **form** [NCB<sup>+</sup>17]. **formal** [Ben19, SHSH17]. **formalism** [MBO11]. **Formalization** [BFL<sup>+</sup>13]. **format** [ZGG<sup>+</sup>14]. **formation** [KSK15, YZS15]. **Forward** [Lla17, dOBG<sup>+</sup>15]. **Forwarding** [AD10, Ana14, HDCM11, KHK18, LWW18, STMZ18]. **fossil** [SWLP19]. **Foundations** [BFL<sup>+</sup>13]. **Fourier** [CVK<sup>+</sup>18a]. **FPGA** [CNLGRL18, CS17, CGFH19, HBS17, IIH<sup>+</sup>17, KG19, MH18, NV19, NSKN17, PD19, Pet18, SA11, TYA16, TOR<sup>+</sup>14, WLCZ15, WIR<sup>+</sup>18]. **FPGA-based** [HBS17, IIH<sup>+</sup>17, NSKN17, WIR<sup>+</sup>18]. **FPGAs** [AD12, LdSB<sup>+</sup>18, MC17, NMS<sup>+</sup>18, WD18]. **Fractal** [ASKTZ13, NST19]. **frame** [SCG10]. **Frames** [LNA12]. **framework** [AAA<sup>+</sup>15, AMU<sup>+</sup>19, Amm16, AM12a, AC16, BK13, BMT12, BJ18, CCAAS19, CCA18, CF19, CV16, CHX<sup>+</sup>17, CDPS18, DV13, GM13, GFPC14, HSH10, HRM17, HRH18, KTP17, KKS<sup>+</sup>12, KBC<sup>+</sup>10, LV15, MCM<sup>+</sup>11, Men18, MBR19, NLB<sup>+</sup>18, NPE<sup>+</sup>19, PMAL11, PAG<sup>+</sup>18, RBN11, ROB<sup>+</sup>18, SAL10, SMH<sup>+</sup>14, SGdSS13, TLW18, VS18, WTWZ16, WHW<sup>+</sup>17, WXZ<sup>+</sup>18, WMG13, YLB<sup>+</sup>15, ZGW<sup>+</sup>19, dAT17]. **Frameworks** [KRS13, KRS14, DAB<sup>+</sup>14, LHNBB19, UMM<sup>+</sup>18, uRIL<sup>+</sup>18, ZKZF18]. **free** [AA14, AKBD10, ACH18, Dav17, FKKR16, FLM<sup>+</sup>19, HSY10, JBS14, KH12, LASS15, LWW18, MYM10, MBMC19, MKM16, Pen11, SSdB<sup>+</sup>10, VBDRC13, Zah12, dOBG<sup>+</sup>15]. **free-surface** [VBDRC13]. **FREP** [KR12]. **frequencies** [LdSB<sup>+</sup>18]. **frequency** [MYD<sup>+</sup>11, RTZ11]. **frequent** [LT10, YZG18, BMLLC<sup>+</sup>19]. **Friendly** [MSK<sup>+</sup>16]. **Frog** [KM17]. **front** [ORWT<sup>+</sup>18]. **front-end** [ORWT<sup>+</sup>18]. **FSI** [KHT<sup>+</sup>14]. **fuel** [SWLP19]. **Full** [Ano18y, Ano18z, SWW<sup>+</sup>17]. **full-text** [SWW<sup>+</sup>17]. **Fully** [WZY<sup>+</sup>19, DTK11a]. **fully-distributed** [DTK11a]. **function** [ABO<sup>+</sup>17, BNBR16, LRS18]. **functional** [WMY<sup>+</sup>17, WD18]. **functions** [AMT13, CMR<sup>+</sup>18, MM15, RMU14, SJVRVVS19, WD18]. **fusion** [ECP<sup>+</sup>18]. **Future** [HAC<sup>+</sup>19, MNK12, PJ18, ACB<sup>+</sup>15, ECLV12, LY13, MKN14, PSC<sup>+</sup>16, RPS19]. **Fuzzy** [DFLO17, TZI11, KKTZ13, SMO14, ESCV15].

**G** [GDL<sup>+11</sup>, GA18]. **G-PaMeLA** [GDL<sup>+11</sup>]. **G/M/1** [GA18].  
**G/M/1-type** [GA18]. **Game** [KK10, PC11, JTC<sup>+18</sup>, RPN19, YpGyLIC13].  
**Game-theoretic** [PC11]. **gamma** [KMC16]. **gap** [KLJ<sup>+11</sup>, KR17]. **gas**  
 [OGRV<sup>+12</sup>]. **gate** [EAB<sup>+19</sup>, NKV14, WCF14]. **gateway** [KKKP12].  
**Gathering** [PMHM19, JLY12]. **gating** [CZPP16, ZCF<sup>+17</sup>]. **Gauss** [Dav17].  
**Gaussian** [HAC17, WL11]. **GbE** [LB12]. **GCHAR** [CWZ<sup>+18</sup>]. **GEMM**  
 [JM15]. **gene** [WCEA10]. **general**  
 [AZW13, CW15, GRS19, GFPC14, LV15, LCB16, MSAZ10a, MSAZ10b, Pet19].  
**general-purpose** [GRS19, LCB16]. **generalized**  
 [HSH10, WRW13, ZHW19, ZLMC14]. **generated** [MTM10]. **Generating**  
 [AAK<sup>+13</sup>, SCMH13]. **generation** [BCK<sup>+13</sup>, FLM<sup>+19</sup>, GNZ18, HPB<sup>+10</sup>,  
 HZZ<sup>+19</sup>, LK13, NAB<sup>+11</sup>, ORWT<sup>+18</sup>, Zsa16]. **generator** [KCP19, Pet18].  
**generic** [Ben19, GM13]. **Genetic**  
 [OA10, ALM<sup>+16</sup>, ANEA13, AB13, DK11, LFEP19, PKN10]. **genomes**  
 [SPRG<sup>+12</sup>]. **genre** [WIR<sup>+18</sup>]. **Geographic** [AD10, SJS11]. **geometric**  
 [CMN12, LZWZ19, MRS<sup>+14</sup>, MPR19, TSFZ14]. **geometry**  
 [QGZP19, WZY<sup>+19</sup>]. **GET** [HLS12]. **GET/PUT** [HLS12]. **GHSOM** [IZ12].  
**global** [GVBB13, MS15, WWW17a, Zah12, ZLWZ18, dOCS14, YQTV12].  
**globally** [CWP12, NZA13, LNA12]. **globally-aware** [CWP12]. **Goal**  
 [CJ17, XLPL19]. **Goal-based** [CJ17]. **goals** [TdAR18]. **Godson** [PTK<sup>+13</sup>].  
**Godson-T** [PTK<sup>+13</sup>]. **Golgi** [FTM<sup>+19</sup>]. **GOM** [YLB<sup>+15</sup>]. **GOM-Hadoop**  
 [YLB<sup>+15</sup>]. **Google** [DKC14]. **Gossip** [FCML13, AS18, LT10, WWW17a].  
**Gossip-based** [FCML13]. **GPGPU**  
 [DFST13, KWZ19, OGRV<sup>+12</sup>, SJVRVVS19, WMG13, YPCW16]. **GPGPUs**  
 [AFK14, DKK18]. **GPS** [AKBD10, LWW18]. **GPS-free** [AKBD10, LWW18].  
**GPU** [YJL16, ARP18, BCMV15, BDRB14, BFKW13, BMS19, BHS13,  
 CDD<sup>+19</sup>, CSL15, CMMT13, CRHC19, CMR19, CW15, DV13, DBA<sup>+18</sup>,  
 DFHH13, DCA<sup>+15</sup>, Eme13, FSV14, FSV17, GMMP12, GLW14, GKS15,  
 GMS<sup>+13</sup>, GRS19, GK19, HVW16, IHH16, JGMY17, JdSJC<sup>+15</sup>, KP17,  
 KAA<sup>+19a</sup>, KKN13, KCP19, KC17, LR14, LLKY13, LST<sup>+13</sup>, LW19,  
 LPLFCM<sup>+12</sup>, LFEP19, MB13, MRT18, NFHL13, PV19, PDP17, PDB13,  
 RV13, RS19, Ren11, RMU14, ROB<sup>+18</sup>, Sch13, SS11, SCMH13, SDG17, Ski16,  
 TH11, TRS<sup>+12</sup>, TYA16, VBDRC13, VLW18, WLL16, WD13, WH17, XLH18,  
 YLL17, ZMCP11, ZHH15, ZWQ<sup>+16</sup>, dSAJ15, dMS18]. **GPU-accelerated**  
 [DCA<sup>+15</sup>, Eme13]. **GPU-based**  
 [BCMV15, BDRB14, BFKW13, DBA<sup>+18</sup>, GMMP12, KCP19, PDP17, Ski16].  
**GPU-Investigations** [Sch13]. **GPUDirect** [ARP18]. **GPUs**  
 [AVAH18, ASES15, BBBC12, BBR13, BCK<sup>+13</sup>, COV13, CGN<sup>+13</sup>, CDY<sup>+19</sup>,  
 DP16, GOH<sup>+13</sup>, JM15, LMGLGLG17, LJZ<sup>+19</sup>, LW16b, LV15, MLW<sup>+19</sup>,  
 MBW16, NSKN17, NHO<sup>+13</sup>, PVR17, SBRM19, TH13, ZSW14, ZGG<sup>+14</sup>].  
**Graceful** [AA14]. **gradient** [GLW14, LR14]. **Gradual** [ADDP19]. **graduate**  
 [APV18]. **grained** [CHLL18, Man13, MPV12, ZCF<sup>+17</sup>]. **Grammatical**  
 [RBB17]. **grand** [SIY14]. **granularity** [WCL<sup>+13</sup>]. **GRAP** [FGL<sup>+11</sup>]. **graph**  
 [AK19, BKC<sup>+15</sup>, BCK<sup>+13</sup>, CSJ<sup>+13</sup>, CFL<sup>+19</sup>, DCA<sup>+15</sup>, FLM<sup>+19</sup>, GHC<sup>+17</sup>,

KSSG14, LK15, NXTK17, PV19, PS14, RGAN18, SSKÇ15, SMT15, WCH<sup>+</sup>17, YFBY17, ZCS<sup>+</sup>18]. **graph-partitioning** [GHC<sup>+</sup>17]. **graphene** [KRM14]. **graphene-CMOS** [KRM14]. **graphic** [SKH15]. **Graphics** [BHS13, DDGK13, ATDH13, BK13, CLA<sup>+</sup>18, PYP<sup>+</sup>10, SIY14, ZMCP11, Eme13, GLGLBG12, YL12, YJL16]. **graphs** [AAK<sup>+</sup>13, BCF14, BKCM17, CDDL10, CDS10, DM17, GK10, JPD17, LKB<sup>+</sup>15, MPR19, NCA<sup>+</sup>12, STMZ18, TBG<sup>+</sup>17, Ten16, TSFZ14, WWW17a]. **Grasping** [KR17]. **greedy** [KHW13, STMZ18, dOBG<sup>+</sup>15]. **Green** [DAPR18, AG12, BFH<sup>+</sup>17, SWLP19, WCL<sup>+</sup>13]. **Grex** [BK13]. **Grey** [FGL<sup>+</sup>11]. **Grid** [Hua17, MD13, MFT<sup>+</sup>19, AAH17, Ben19, CP10b, JdSJC<sup>+</sup>15, KRKS11, KV10, LL12a, LLWC17, SMB10, SZL10, TLQS12, WH17, dKG<sup>+</sup>10, DW12, LSH<sup>+</sup>13, LS10, SJB12]. **grid-based** [CP10b]. **gridding** [GOH<sup>+</sup>13]. **gridding-accelerated** [GOH<sup>+</sup>13]. **grids** [ARDQ18, BMT12, DJH11, GVBB13, GM14b, LKS14, LL10, LWK<sup>+</sup>19, SMO14, YZS15, AAD10, SNCP12]. **grooming** [WCL<sup>+</sup>13]. **Grøstl** [ABO<sup>+</sup>17]. **groundwater** [SWLP19]. **Group** [CWZ<sup>+</sup>18, KKLJ14, LLW12, CJDC10, EDH<sup>+</sup>17, LC14b, dAMFdS13, TC13]. **Group-based** [CWZ<sup>+</sup>18, KKLJ14, TC13]. **groups** [ARDQ18, LKM12, WLZ<sup>+</sup>18]. **growing** [IZ12, OGRV<sup>+</sup>12]. **guarantee** [JM14, MZZC12]. **guaranteed** [LNA12, LNAL17, NGQM12, WCWO17]. **guarantees** [ESCV15]. **Guest** [CGFH19, TFV<sup>+</sup>15].

**Hadoop** [FRM15, GYY<sup>+</sup>14, HWL18, HWLR14, MNR<sup>+</sup>19, YLB<sup>+</sup>15]. **Hamiltonian** [HBAD15, LLFJ18]. **Hamiltonicity** [Ste17]. **handle** [RK18]. **handling** [KVA18, KV10, LNW<sup>+</sup>12]. **handoff** [FCZ<sup>+</sup>12, ZBR11]. **Happened** [HCR12]. **Happened-Before** [HCR12]. **happy** [KSSK16]. **hard** [GFPC14]. **Hardware** [BK18, CRB19, DGNW13, MCAS12, SHA17, Zsa16, ABO<sup>+</sup>17, BDM18, CDD<sup>+</sup>19, CV16, CGC16, CP17, CM12, EAB<sup>+</sup>19, FWM<sup>+</sup>10, GKS15, Hus17, JJ12, KDO<sup>+</sup>13, KC17, LMSK18, MTM10, MCS<sup>+</sup>19, PAG<sup>+</sup>18, PG19, QGZP17, QGZP19, SV18]. **Hardware-accelerated** [DGNW13, Zsa16]. **hardware-entangled** [EAB<sup>+</sup>19]. **hardware-generated** [MTM10]. **hardware-software** [CV16]. **hardwares** [SKH15]. **harmony** [ES12]. **Harnessing** [MTL<sup>+</sup>18b]. **harvesting** [RB12]. **Hash** [LACJ18, TT10, ABO<sup>+</sup>17, SRT<sup>+</sup>18]. **hashing** [BMLLC<sup>+</sup>19, HDCM11]. **Haste** [JXZ<sup>+</sup>19]. **HBS** [CK13]. **HD** [GB11]. **HDL** [DSEP17]. **Head** [ESGQ<sup>+</sup>11]. **Head-of-Line** [ESGQ<sup>+</sup>11]. **health** [ZAAB17]. **healthcare** [AMU<sup>+</sup>19, SMW18, Udd19, VS18]. **heat** [LE19]. **Help** [IR12]. **helping** [ACH18]. **herd** [KS18]. **Heterogeneity** [Las12, Las13, XLL15, KWZ19, LpJS<sup>+</sup>18]. **Heterogeneity-driven** [XLL15]. **Heterogeneous** [EKNS17, KRM14, WMC<sup>+</sup>18, ALM<sup>+</sup>16, AAD10, Amm16, BKC<sup>+</sup>15, BKCM17, BEN12, BSS<sup>+</sup>13, CCK11, CJ17, DK11, GQZ18, GZY14a, GAOHG17, HLL<sup>+</sup>19, Hus17, JST12, KG19, KHN17, KyLPC17, KSG13, KN18b, KN18a, LK13, LWC<sup>+</sup>18, LLKY13, LGRV19, LL12b, LDP<sup>+</sup>14, LLY15, LNAL17,



LLCZ19, LV15, LE19, LFGM17, LXZ13, MGSG12, MCS<sup>+</sup>19, NDP13, NFHL13, ND12, OPR18, OJP<sup>+</sup>18, PKN10, PP13, PSB<sup>+</sup>19, REK10a, REK10b, RGAN18, SSFP11, SSM<sup>+</sup>16, SLV19, SS11, SCMS12, SZMK13, SHL<sup>+</sup>13, SPPA19, TLLL10, TLLV10, TFMS15, VLW18, VBF13, WQL14, WTWZ16, WJ12, WG11, WYTX13, WJ14, XLHT13, XLPL19, YLL17, ZMG<sup>+</sup>16, ZTFK16, ZLWZ18, ZGW<sup>+</sup>19, ZSCX18, ZHLQ12, VAF19, VBF13, VFAD17]. **heuristic** [DK11, KKS<sup>+</sup>12, PKN10, YFBY17]. **heuristic-genetic** [DK11]. **heuristics** [JST12]. **HEVC** [Lla17]. **HiCOO** [YQTV12]. **hidden** [HB11]. **Hierarchical** [MD13, TTH12, YQTV12, AAH17, BJS18, BMT12, DR19, EDH<sup>+</sup>17, GHY10, IZ12, LK13, TLQS12, WCWO17, dSS11]. **hierarchies** [DTK11b]. **hierarchy** [Ale19b, WYTX13]. **High** [BYG<sup>+</sup>18, CLA<sup>+</sup>18, DYL<sup>+</sup>12, DB18, FC14, HES10, HN19, KRS13, KRS14, MBG<sup>+</sup>17, Nee17, PBB<sup>+</sup>17, SWHB17, TPJ<sup>+</sup>19, VFAD17, XMMD17, AM13, ARI17, AGWY11, BAT<sup>+</sup>19, CVK<sup>+</sup>18b, CDY<sup>+</sup>19, Cuz11, Cuz13, DKK18, DF12, DAB<sup>+</sup>14, DMS<sup>+</sup>16, FHL<sup>+</sup>15, Fu10, GOH<sup>+</sup>13, GMSS<sup>+</sup>11, HRG<sup>+</sup>11, HVW16, ICQO<sup>+</sup>12, KVVN17, KSB11, LWC<sup>+</sup>18, LMSK18, LSXX14, LJZ<sup>+</sup>19, LB18, LAC18, MSGS<sup>+</sup>13, MZC18, MLK12, No12, PGKV18, SPRG<sup>+</sup>12, SA11, SSQL19, SGdSS13, TYD<sup>+</sup>19, VAS<sup>+</sup>13, WRW13, ZW13, ZWQ<sup>+</sup>16, dAT17, MMVL11]. **high-availability** [Fu10]. **High-dimensional** [HN19, WRW13]. **High-Level** [KRS13, KRS14, BYG<sup>+</sup>18, DMS<sup>+</sup>16, SGdSS13]. **High-Performance** [KRS13, KRS14, PBB<sup>+</sup>17, TPJ<sup>+</sup>19, Cuz11, Cuz13, DF12, FHL<sup>+</sup>15, GMSS<sup>+</sup>11, HRG<sup>+</sup>11, ICQO<sup>+</sup>12, LSXX14, LJZ<sup>+</sup>19, LB18, MSGS<sup>+</sup>13, PGKV18, ZW13, ZWQ<sup>+</sup>16]. **high-radix** [VAS<sup>+</sup>13]. **high-resolution** [GOH<sup>+</sup>13, SSQL19]. **High-Temperature** [SWHB17]. **High-throughput** [CLA<sup>+</sup>18, HVW16]. **Higher** [HS17]. **Highly** [DF17, KHT<sup>+</sup>14, AFA13, HN19, SMT15, Ter16]. **Hint** [CK13]. **Hint-based** [CK13]. **Hints** [GLC14]. **histograms** [CL14]. **HLA** [DB11]. **HLA-based** [DB11]. **HLS** [MH18]. **HLS-based** [MH18]. **HMFS** [LHZ<sup>+</sup>18]. **HMIPv6** [CKML12]. **HMVFS** [ZLH<sup>+</sup>18]. **Hoc** [RBP<sup>+</sup>11, TM10, AH11, AH12, BM11, FCW11, FGL<sup>+</sup>11, JLWX11, Kim11, KSK15, LHW14, LC14b, NMN<sup>+</sup>14, OM10, SNCP12, SJS11, TC13, WHS<sup>+</sup>18, YSS11, YWW12]. **HOG** [RBG17]. **hole** [LZC11, PSC<sup>+</sup>16, SGAC14, YDZ<sup>+</sup>18, dOBG<sup>+</sup>15]. **holistic** [WL10, ZHH15]. **home** [HRM17]. **homogeneous** [BM17a, CRJ10a, OOSGVG<sup>+</sup>16]. **homology** [DKKV15]. **homonymous** [AAI<sup>+</sup>15]. **hop** [FCW11, FCZ<sup>+</sup>12, JLWX11, JM14, KHK18, MPV12, RFS<sup>+</sup>12, RB12, ZMG<sup>+</sup>16, CSW<sup>+</sup>17]. **host** [LLWC17]. **host-based** [LLWC17]. **hosting** [SSVC10]. **hostload** [DKC14]. **hot** [EMC19, MB19, GPSH19]. **Hot-N-Cold** [GPSH19]. **hot-spot** [MB19]. **Householder** [BDG<sup>+</sup>15]. **HPC** [APV18, CVK<sup>+</sup>18b, CJA<sup>+</sup>19, ECLV12, GYAB11, NV19, NKSA17, NC13, PCLP16, RBA<sup>+</sup>18, RMHR17, RÖE<sup>+</sup>18, WMES12, uRIL<sup>+</sup>18, YFS<sup>+</sup>15]. **HTM** [PB19]. **human** [CWZ<sup>+</sup>18, WDS<sup>+</sup>18]. **Hungarian** [LYIP19]. **hunt** [MP15]. **HW** [RBG17]. **HW/SW** [RBG17]. **Hybrid** [BJL18, DBA<sup>+</sup>18, DR18, LWCG14, PA15, VD18, YS11, ZLH<sup>+</sup>18, ALM<sup>+</sup>16, CB15, CJ17, DK11, GLC14, HZL18, HGX<sup>+</sup>19, JAB12, KS18, KSJC17, LY13,

LHZ<sup>+</sup>18, MBS<sup>+</sup>12, MMK<sup>+</sup>11, No12, PARB14, PV19, TY17, WLL16, WHW<sup>+</sup>17, YLL17, ZFT<sup>+</sup>18, MMCL<sup>+</sup>17]. **hydrodynamics** [VBDRC13]. **HyPar** [PV19]. **hyperbolic** [SHRM19]. **hypercube** [CS10, CFL<sup>+</sup>19, TMK<sup>+</sup>17]. **hypercubes** [Lai14, Lai17, WIB12]. **Hypergraph** [DKUÇ15]. **hypergraphs** [STA12]. **Hyperspherical** [RLP14].

**I/O** [DLW<sup>+</sup>12, GFPC14, HZZ<sup>+</sup>19, No12, WHW<sup>+</sup>17]. **I/O-intensive** [HZZ<sup>+</sup>19]. **IaaS** [LQM<sup>+</sup>12, NC13, NKK16]. **IC** [CMR10]. **IC-scheduling** [CMR10]. **IceCube** [AAA<sup>+</sup>15]. **IceProd** [AAA<sup>+</sup>15]. **ICS** [HMY<sup>+</sup>18]. **ICT** [CTS17]. **ideas** [Sch14]. **identical** [GG19]. **identification** [GSASA19, MMN<sup>+</sup>18, SRB<sup>+</sup>19, XCC<sup>+</sup>19, ZAAB17]. **Identifying** [LT10]. **identity** [WXMZ19]. **idling** [CFI<sup>+</sup>18]. **IEEE** [HB11, ZBR11]. **II** [KHT<sup>+</sup>14, RLA<sup>+</sup>17, SMO14]. **III** [CP10b]. **image** [HLBM16, HN19, LMSK18, LLS<sup>+</sup>16, dAT17, FC14]. **Image-to-Mesh** [FC14]. **imagery** [SQQL19]. **images** [CDD<sup>+</sup>19]. **imaging** [KDO<sup>+</sup>13]. **Immediate** [Ksh12]. **immersive** [TYD<sup>+</sup>19]. **immune** [HD10]. **Impact** [YAA10, HHS12, HRF<sup>+</sup>11, RBP<sup>+</sup>11, SFT<sup>+</sup>13, WCF14]. **Impacts** [PCX<sup>+</sup>11, PCX<sup>+</sup>14]. **IMPATIENT** [GOH<sup>+</sup>13]. **Implementation** [ABGV11, SDS10, SE15, ADV14, CP10b, CWP12, GKS15, HES11, HVW16, JM15, KHT<sup>+</sup>14, LYIP19, MCAS12, MP10, MRT18, OGRV<sup>+</sup>12, SA11, Sol13, TdAR18, YÖ11, dIAMCFN12]. **implementations** [ICQO<sup>+</sup>12, Tát11, TYA16, YBM13]. **implementing** [TR16, YFBY17]. **Implications** [HKK<sup>+</sup>18]. **implicit** [HWL18]. **importance** [MLMSMG12]. **impossibility** [AP16]. **improve** [CSW<sup>+</sup>17, GLC14, VRM10]. **Improved** [CP10b, HSH10, TC13, Ara13, CLZ19, GMVRGS16, dIAMCFN12]. **improvement** [CZZ<sup>+</sup>17]. **Improving** [AM13, AHG12, CLG<sup>+</sup>16, CRWX12, CKWT17, CAF<sup>+</sup>11, GYY<sup>+</sup>14, HHK15, KZ11, QGZP19, RMGM19, SLKK12, AA10, HBSASA19, KWZ19, LBT19, SAL10, SK11, MMCL<sup>+</sup>17]. **IMSuite** [GN15]. **In-Memory** [SLL18, LLB<sup>+</sup>18, LHZ<sup>+</sup>18, VETT18, ZKZF18]. **in-network** [BCO<sup>+</sup>12, JF12]. **incentive** [CG12, YAA10, ZCMY12]. **incentive-based** [CG12, YAA10]. **inclusion** [Kak15, dMS18]. **incomplete** [CASD18, GLW14]. **Incorporating** [WTY<sup>+</sup>18]. **Incremental** [ESCV15, LRS18]. **incrementally** [YC12]. **independence** [GK10]. **Independent** [WFZJ12, AFD<sup>+</sup>11, CFJW13, CFL<sup>+</sup>19, EB13, HAC17, Li19a, MPR19, PDB13, SSM<sup>+</sup>16, SBÇ12b, WCF14, WIB12]. **independent-gate** [WCF14]. **Index** [Ano10a, Ano10b, Ano11j, Ano11k, Ano12m, Ano12n, Ano14f, Ano14g, Ano15k, AS19b, KN18b, KN18a, LSZZ15, PCLP16]. **indexing** [WIR<sup>+</sup>18]. **Indian** [Nee17]. **indirect** [HBF12]. **individuality** [TYD<sup>+</sup>19]. **industrial** [HMY<sup>+</sup>18, KKTZ13]. **Inexact** [Pla13]. **inference** [RFP<sup>+</sup>19, SHK19, XP10, YWAT13]. **Inferencing** [TFV19]. **InfiniBand** [ARP18, ESGQ<sup>+</sup>14, ESGQ<sup>+</sup>18, GRJ<sup>+</sup>15]. **InfiniBand-based** [ESGQ<sup>+</sup>14, ESGQ<sup>+</sup>18]. **influence** [MCS14]. **Info** [NTN12]. **Info-based** [NTN12]. **information** [AHZ11, AH11, Ana14, JLWX11, KTP17, LSWC14, MP15, SHK19, TKG<sup>+</sup>17, WHW<sup>+</sup>19, YDZ<sup>+</sup>18]. **infrastructure**

[AFA13, HPB<sup>+</sup>10, JAB12, KKKP12, MBS<sup>+</sup>12, SW12, SWHB17, ZCMY12].  
**infrastructures** [FPF14, NAB<sup>+</sup>11]. **inherent** [CB15]. **inhomogeneous**  
[LWW19]. **initial** [YS11]. **Initiatives** [Hua17]. **injected** [GK15]. **injection**  
[CP17, LLWC17]. **inland** [SQQL19]. **innovative** [MCS<sup>+</sup>19]. **INRFlow**  
[NPE<sup>+</sup>19]. **insertion** [SS17]. **inspired** [CMMN10, GVBB13, HD10, PG19].  
**instances** [PDB13, ZG13]. **Instantly** [TOR<sup>+</sup>14]. **institute** [Nee17].  
**instruction** [NHX<sup>+</sup>19, PYP<sup>+</sup>10]. **instruction-systolic** [PYP<sup>+</sup>10].  
**instructions** [Sol13]. **instruments** [CKK<sup>+</sup>13]. **InteGrade** [dKG<sup>+</sup>10].  
**integrated** [LMXJ18, WCL<sup>+</sup>13, YWG15]. **Integrating** [DT11, KKKP12].  
**Integration** [YJKD10, Kum17, ZMZJ17]. **integrity** [BCO<sup>+</sup>12]. **Intel**  
[CHLL18, LTG14, RPN19, Zha11]. **intelligence**  
[KA<sup>+</sup>19b, LdPLC<sup>+</sup>19, ZGJ<sup>+</sup>18]. **intelligence-based** [ZGJ<sup>+</sup>18]. **Intelligent**  
[LHW<sup>+</sup>19, KBC19, KDSS18, PLSM18, YXW<sup>+</sup>18]. **Intel(R)** [KVVN17].  
**Intended** [CTC11]. **Intensive** [BS11, DF17, HZZ<sup>+</sup>19, HWLR14, MLK<sup>+</sup>16,  
RBN11, Ren11, WZZ<sup>+</sup>17, WG11, ZMCP11]. **Inter** [KCSS18, GZG<sup>+</sup>17, RS19].  
**inter-core** [GZG<sup>+</sup>17]. **inter-node** [RS19]. **Inter-Thread** [KCSS18].  
**interaction** [HWLR14, YJL16]. **interaction-intensive** [HWLR14].  
**interactions** [PARB14]. **interactive** [CTS17, HSS17]. **interconnect**  
[AHA<sup>+</sup>16, UM17]. **interconnected** [CPJ<sup>+</sup>19, SGAC14]. **interconnection**  
[ARI17, BM14, BJ15, CCAAS19, GJ12, KMC16, LLKY13, NPE<sup>+</sup>19, PW16,  
PW17, PMCC18]. **interdependent** [SNCP12]. **Interdisciplinary**  
[NKSA17, CCE<sup>+</sup>17, Hua17]. **interest** [A<sup>+</sup>16l, REZN17, CTC11].  
**Interest-Intended** [CTC11]. **interface** [JM15, NSDZ18]. **interfaces**  
[NGQM12]. **interference** [GZG<sup>+</sup>17, WHS<sup>+</sup>18]. **intermediate** [YYLC11].  
**internal** [TAM<sup>+</sup>19]. **International** [OY13]. **Internet**  
[BJ18, CXQ<sup>+</sup>18, CCC<sup>+</sup>19, CDPS18, DAPR18, ECP<sup>+</sup>18, HMY<sup>+</sup>18, LAS<sup>+</sup>19,  
LJQ<sup>+</sup>19, MS19, MXSL12, MZZC12, NPS<sup>+</sup>19, PJ18, RSVW19, WSX<sup>+</sup>19,  
WHC<sup>+</sup>18, WCCH18, YWJ<sup>+</sup>18, ZLT<sup>+</sup>19]. **interoperability** [AZW13].  
**Interplay** [ZXGD18]. **Interrupting** [AST12]. **Intersecting** [FSV17].  
**interval** [BBCQ13, MHLZ16]. **intra** [GM13]. **intra-node** [GM13]. **intrachip**  
[MCM<sup>+</sup>11]. **Intrinsic** [PAS15]. **Introducing** [CCE<sup>+</sup>17, Ada17, BLZ<sup>+</sup>18].  
**Introduction** [KRS14, LK11, MKN14, PRS14, TFV<sup>+</sup>15]. **introductory**  
[Bog17]. **Intrusion** [WL11, WML<sup>+</sup>18]. **inventory** [GAOHG17]. **Inverse**  
[Lla17, GRS19]. **inverted** [WJ12]. **Investigating** [LCB16]. **investigation**  
[GKS15, PHW<sup>+</sup>13]. **Investigations** [Sch13]. **invocations** [BVG14]. **IoT**  
[Ale19b, AMSA<sup>+</sup>19, CLW<sup>+</sup>19, DBW<sup>+</sup>18, DKJG19, GRZ<sup>+</sup>18, HRH18, LAS<sup>+</sup>19,  
LWWQ18, MA19, PH18, SCW<sup>+</sup>18, SLZ<sup>+</sup>19, TODQ18, TAM<sup>+</sup>19, VS18,  
YXW<sup>+</sup>18, ZGJ<sup>+</sup>18, ZXMR18]. **IoT-based** [YXW<sup>+</sup>18, ZGJ<sup>+</sup>18]. **IoT-CANE**  
[LAS<sup>+</sup>19]. **IoT-enabled** [SLZ<sup>+</sup>19]. **IoTDeM** [LWWQ18]. **IOV**  
[DYL<sup>+</sup>12, GRJ<sup>+</sup>15]. **iPACS** [KCR14]. **IPDPS**  
[OY13, Ben15, Mue13, Phi13]. **IPDPS'18** [BÇ19]. **IPv6** [WZ13]. **Irregular**  
[FTM<sup>+</sup>14, PGRP17, TFV<sup>+</sup>15, AM13, AC16, FCP<sup>+</sup>15, KG19, LWCC15,  
MSAZ10a, MSAZ10b, PCMM<sup>+</sup>17, PA15, TP18, ZSW14]. **ISA**  
[KNHH18, SSFP11, SPC<sup>+</sup>17]. **isogeometric** [SWLP19]. **isomorphism**

[Pla13]. **Issue** [AS13, CDJL11, CGFH19, DDE19, FTM<sup>+</sup>14, GMSS<sup>+</sup>11, KRS13, KRS14, LK10, MNK12, QGB<sup>+</sup>17, SLL18, STS19, SFC17, TFV<sup>+</sup>15, TFV19, XMMD17, BÇ19, BS11, Cuz11, DF12, DB18, FPS11, FPS12, Gra10a, LZ11, Las12, LK11, MSGS<sup>+</sup>13, MKN14, PRS14, RLA<sup>+</sup>16, RLA<sup>+</sup>17, TH11]. **Issues** [NCRK19]. **items** [LT10, ST14]. **Itemsets** [BMLLC<sup>+</sup>19]. **iterated** [KHW13]. **iteration** [YBX<sup>+</sup>13]. **iterations** [CASD18, YS11]. **Iterative** [CG10, BDRB14, NVK<sup>+</sup>11].

**J** [KN18b, LSS<sup>+</sup>11a, MSAZ10a, PCX<sup>+</sup>14, REK10a]. **Jacobi** [CASD18, HBAD15, HS17, TYA16, WPC19]. **Janus** [DMG18]. **Java** [AST12, BVGV14]. **JDPC** [MSGS<sup>+</sup>13]. **Job** [TDBL13, Ben19, DBA<sup>+</sup>18, EHL<sup>+</sup>15, GMVRS16, GYY<sup>+</sup>14, MLK<sup>+</sup>16]. **job-scheduling** [Ben19]. **jobs** [HSH10, LYW<sup>+</sup>16, SHC14]. **join** [GK19, LL18]. **joins** [CTKA17, CKWT17, CKLW19]. **Joint** [AAA<sup>+</sup>10, ABF<sup>+</sup>14, LBT19, LYW<sup>+</sup>16, LZLX11, AS19a, CCA18, GDL<sup>+</sup>11, ZY12]. **Jones** [NHO<sup>+</sup>13]. **Jordan** [Dav17]. **Journal** [AS13, Cuz11, FTM<sup>+</sup>14, FPS11, GMSS<sup>+</sup>11, KRS13, Las12, LK11, MSGS<sup>+</sup>13, MNK12, TH11]. **JPDC** [LK11, KRS14, MKN14, PRS14]. **JPEG** [WLCZ15]. **Julia** [RFP<sup>+</sup>19]. **JVM** [AC16].

**KD** [HN19]. **KD-tree** [HN19]. **KDE** [EHL<sup>+</sup>15]. **Keep** [LFS16]. **Keeping** [PBB<sup>+</sup>17, PGKV18]. **Kernel** [MBBD13, GM13, KC17, PSB<sup>+</sup>19, dSAJ15]. **Kernel-assisted** [MBBD13, GM13]. **kernelized** [PDP17]. **Key** [SLHS19, AVAH18, BCD<sup>+</sup>15, GTGLSA12, HZHS18, JXZ<sup>+</sup>19, LAK10, LLW12, REK10a, REK10b, SZMK13, ZWQ<sup>+</sup>16, ZHT16]. **key-based** [GTGLSA12]. **Key-Value** [SLHS19]. **keyword** [HWL18]. **keyword-aware** [HWL18]. **kinetic** [LMB<sup>+</sup>17]. **Knapsack** [BW18, dADC18, WYW15]. **knapsack-based** [WYW15]. **KNEM** [GM13]. **knowledge** [KKS<sup>+</sup>12, LAS<sup>+</sup>19, MS15, SLG<sup>+</sup>18, YL12]. **knowledge-based** [YL12]. **Kokkos** [ETS14]. **krill** [KS18]. **Kronecker** [JD12, LNW<sup>+</sup>12].

**L** [CRJ10a]. **L2** [KK11, Zha11]. **L2-prefetch-caused** [Zha11]. **lab** [FSP18]. **labeling** [KRKS11, TMK<sup>+</sup>17]. **LABS** [LDZ<sup>+</sup>14]. **LaDAR** [YWAT13]. **Lagrangian** [BHLT14]. **Lampport** [TPLY18]. **language** [JWH<sup>+</sup>17, LMY<sup>+</sup>11, MRS<sup>+</sup>14, RK18]. **Languages** [KRS13, KRS14]. **Large** [AFG<sup>+</sup>19, MRJ<sup>+</sup>19, WBRT13, XMMD17, AM13, BKC<sup>+</sup>15, BDL<sup>+</sup>19, CC16, CLOL17, CTKA17, DV13, DB11, DBCF13, DLW<sup>+</sup>12, KSSL16, KSJC17, KBC<sup>+</sup>10, LGZ<sup>+</sup>10, LZY11, LHW<sup>+</sup>19, Luc18, LWCG14, MYM10, MBMC19, MVP17, NAB<sup>+</sup>11, PP13, PB19, PDB13, PLK<sup>+</sup>18, SS17, SMT15, WCWO17, YÖ11, ZVL11]. **Large-scale** [AFG<sup>+</sup>19, MRJ<sup>+</sup>19, WBRT13, CC16, CLOL17, DB11, DBCF13, DLW<sup>+</sup>12, KSSL16, KBC<sup>+</sup>10, LGZ<sup>+</sup>10, LZY11, Luc18, LWCG14, MBMC19, PB19, WCWO17, ZVL11]. **large/irregular** [AM13]. **last** [DMI<sup>+</sup>19, FABG<sup>+</sup>19, SS17]. **last-level** [DMI<sup>+</sup>19]. **Latency** [LDZ<sup>+</sup>14, THGY15, ASA18, ASSS19, CRD12, CM12, Dav17, LW19, MS19,

NCB<sup>+</sup>17, RM11, SLKK12, SFHS19, SLZ<sup>+</sup>19, TVT<sup>+</sup>17]. **latency-sensitive** [ASSS19]. **latency-tail-tolerance** [SLZ<sup>+</sup>19]. **latency-tolerant** [NCB<sup>+</sup>17]. **lattice** [AVAH18, WZY<sup>+</sup>19]. **law** [NZ17, SC10, CN14]. **laws** [SHRM19]. **Layer** [DDO<sup>+</sup>18, PKW<sup>+</sup>10, WCL<sup>+</sup>13, YYWZ19, dIAMCFN12]. **layered** [LL12a]. **layout** [KMC16, LGK<sup>+</sup>12, Str12]. **LDA** [BOKS19]. **LEACH** [CCC<sup>+</sup>19, NSA11]. **leader** [DLV11, DGDF10]. **leakage** [KK11, NKV14]. **leakage-aware** [KK11]. **Leaping** [KM17]. **Learning** [BM11, MBG<sup>+</sup>17, TFV19, CXQ<sup>+</sup>18, EM11, FFYH19, GMRRG19, HSS17, HKK<sup>+</sup>18, HHK15, KAA<sup>+</sup>19a, KCFP18, LGZ<sup>+</sup>10, LHHH11, LCJ<sup>+</sup>18, MCZ14, NZA13, OPR18, PSGS17, RT18, RDCQ17, TXLL14, TM10, Upa13, WRW13, WBS19, WLK<sup>+</sup>19, WDS<sup>+</sup>18, XCC<sup>+</sup>19, XRB12, ZGW<sup>+</sup>19]. **learning-based** [MCZ14, RDCQ17]. **Learning-TCP** [BM11]. **length** [KP17]. **lengths** [KIH15]. **LEON3** [TdAR18]. **Let** [CVK<sup>+</sup>18b]. **Level** [AC16, KRS13, KRS14, BBH<sup>+</sup>17, BYG<sup>+</sup>18, CLMRL15, DMI<sup>+</sup>19, DAB<sup>+</sup>14, DMS<sup>+</sup>16, FABG<sup>+</sup>19, FLCB10, GAC<sup>+</sup>17, HES10, LC14a, LWH<sup>+</sup>19, LPLFMC<sup>+</sup>12, MEMEMH17, NPE<sup>+</sup>19, OWK14, OMT<sup>+</sup>17, Ren11, SS17, SGdSS13, WMES12]. **level-set** [HES10]. **levels** [Kum17, Li16]. **Leveraging** [SSFP11, CFI<sup>+</sup>18]. **LeWI** [GLC14]. **lexicographic** [BMLLC<sup>+</sup>19]. **LFRic** [AFH<sup>+</sup>19]. **liberal** [NDW17]. **library** [HZHS18, LGK<sup>+</sup>12, ZSW14, VAF19, VBF13, VFAD17]. **lifetime** [EMC19, LL12b, Li14, LZC11, VRM10, WBS19]. **lifting** [IIH16]. **lifting-based** [IIH16]. **light** [PR12, WZZ<sup>+</sup>17, ZFT<sup>+</sup>18]. **light-trails** [PR12]. **light-weight** [WZZ<sup>+</sup>17, ZFT<sup>+</sup>18]. **Lightweight** [MSF<sup>+</sup>13, KP17, Kim17, DKJG19, MP10]. **like** [CP10a, CTC11]. **limited** [SSGG18, VS16, Zsa16]. **Limiting** [MSV19]. **limits** [dSS11]. **Line** [DGBN14, CFL<sup>+</sup>19, ESGQ<sup>+</sup>11]. **linear** [CMR19, CP10b, FHL<sup>+</sup>15, ICQO<sup>+</sup>12, LMXJ18, LWXX19, LKD14, MRT18, TFMS15, Ter16, XYZW14, YÖ11, KCP19]. **linearizability** [KKW17]. **lines** [DJDK19]. **Link** [SJS11, FCZ<sup>+</sup>12, LST17, MCAS12, MVP17]. **links** [AGMS16, ACA<sup>+</sup>19, SHK19]. **Linux** [LACJ18, LAC18]. **Liquid** [SWHB17, SWLP19]. **List** [TLLL10, FPF14, WLL16]. **little** [MNR<sup>+</sup>19]. **live** [GRJ<sup>+</sup>15, HTB19, WMES12]. **Load** [CKLW19, SBÇ12a, AES11, ACCP12, ASES15, BFMT<sup>+</sup>18, DB11, DLW<sup>+</sup>12, GLC14, HLL<sup>+</sup>19, JL11, KAA<sup>+</sup>19a, KNHH18, MLDG12, MPV12, NHO<sup>+</sup>13, PC11, PRN<sup>+</sup>19, SB15, TLL<sup>+</sup>18, TVT<sup>+</sup>17, YJL16, YAA10, YMLP14, ZSW14, ZLMC14]. **load-balanced** [YMLP14]. **Load-balancing** [CKLW19, SBÇ12a, KAA<sup>+</sup>19a, NHO<sup>+</sup>13, YJL16]. **loads** [CG12, HV13, KVA18, LML<sup>+</sup>10]. **local** [ADD17, GTGLSA12, GNZ18, LMJC11, ROB<sup>+</sup>18, Sch13, WWW17a]. **Locality** [GXYZ13, JL11, SBRM19, EHL<sup>+</sup>15, LK13, Ozt11, SKK14, SRT<sup>+</sup>18, ZWQ<sup>+</sup>16]. **locality-aware** [EHL<sup>+</sup>15, SKK14, ZWQ<sup>+</sup>16]. **locality-cognizant** [LK13]. **Locality-sensitive** [JL11, SRT<sup>+</sup>18]. **localization** [AKBD10, CCW14, CRWX12, DLLL11, LDS16, MKM16, PD19, WDS<sup>+</sup>18]. **locally** [LFZ<sup>+</sup>17, XHZZ16]. **locate** [DWX10]. **located** [SBÇ12a]. **Location**

[Li17, ABF<sup>+</sup>14, B JL18, DBW<sup>+</sup>18, HCM11, KHK18, LLDL15, OJP<sup>+</sup>18, TZI11, TR16, TKR<sup>+</sup>19, dOBG<sup>+</sup>15]. **location-based** [ABF<sup>+</sup>14]. **location-free** [dOBG<sup>+</sup>15]. **Lock** [SSdB<sup>+</sup>10, HSY10]. **Lock-free** [SSdB<sup>+</sup>10, HSY10]. **locking** [LZLX11]. **locks** [AFA13, CG10, UBES10]. **log** [CJA<sup>+</sup>19, ZFT<sup>+</sup>18]. **log-analysis** [CJA<sup>+</sup>19]. **log-based** [ZFT<sup>+</sup>18]. **logarithmic** [AF17]. **logging** [MMCL<sup>+</sup>17, MMCL<sup>+</sup>17]. **Logic** [NKV14, FPM<sup>+</sup>14, MLZY17, XYZW14]. **logical** [TPLY18]. **Long** [LKM12, KVVNV17]. **Long-term** [LKM12]. **look** [SHL<sup>+</sup>13, HZL18]. **look-ahead** [SHL<sup>+</sup>13]. **Look-Up** [HZL18]. **Looking** [LKD14]. **loops** [ZLKK19]. **losses** [HZA<sup>+</sup>15]. **lossless** [CW15]. **lossy** [GYP13]. **lost** [LdSB<sup>+</sup>18]. **Low** [AEY12, CM12, Dav17, MC17, ABO<sup>+</sup>17, FABG<sup>+</sup>19, HZL18, KK11, KHK18, LW19, MGRRK14, NKV14, RM11, Sol13, YGZ<sup>+</sup>10]. **low-area** [ABO<sup>+</sup>17]. **low-complexity** [Sol13]. **Low-contention** [AEY12]. **low-cost** [YGZ<sup>+</sup>10]. **Low-Density** [MC17]. **low-latency** [LW19]. **low-power** [KK11, MGRRK14]. **low-rate** [KHK18]. **lower** [Li19b, NDP13]. **Lowest** [MAKWZ13]. **LQR** [ZMZJ17]. **LSB** [DKJG19]. **LSM** [SLHS19]. **LSM-tree-based** [SLHS19]. **LTI** [AD12]. **LTL** [BBBC12]. **LUT** [HZL18, WD18]. **LUT-based** [WD18]. **LXCloud** [LACJ18]. **LXCloud-CR** [LACJ18]. **LXCloudFT** [LAC18].

**M** [GA18]. **M2M** [TKG<sup>+</sup>17]. **MAC** [GZY14b, TLY12]. **Machine** [RDCQ17, TKG<sup>+</sup>17, ZLZ<sup>+</sup>19, AES11, CL14, FMIF18, GMRRG19, HTB19, KHT<sup>+</sup>14, KS18, KAA<sup>+</sup>19a, KCFP18, LCJ<sup>+</sup>18, Upa13, WSX<sup>+</sup>19, WLK<sup>+</sup>19, ZG13, ZLCZ18, LST<sup>+</sup>13, TKG<sup>+</sup>17]. **machine-learning** [KAA<sup>+</sup>19a]. **Machines** [YFS<sup>+</sup>15, CLW<sup>+</sup>19, CG11, Fu10, GG19, KR10a, KR10b, RT18]. **magnetic** [LdPLC<sup>+</sup>19]. **main** [BBH<sup>+</sup>17]. **Maintaining** [LMP10]. **maintenance** [GHIJ19, MAPF14]. **make** [AS19b]. **makes** [JXZ<sup>+</sup>19]. **makespan** [GG19, TFMS15]. **Making** [LLT12, ZKZF18, AKK<sup>+</sup>19]. **Making-a-stop** [LLT12]. **Malicious** [CDW<sup>+</sup>19, HMY<sup>+</sup>18]. **Malleable** [FZWL12]. **malware** [TY17]. **manage** [PST<sup>+</sup>19]. **manageable** [GRZ<sup>+</sup>18, dAMFdS13]. **Management** [AS13, AS15, AM11, AK18, BVGV14, CF19, CKMP17, Fu10, FX10, HCM11, HHS12, HHK15, JWH<sup>+</sup>17, KK11, KLJ<sup>+</sup>11, LC11, LAS<sup>+</sup>19, LJQ<sup>+</sup>19, MBS<sup>+</sup>12, MLMSMG12, MCP<sup>+</sup>18, NPS<sup>+</sup>19, NAB<sup>+</sup>11, OJP<sup>+</sup>18, RWB<sup>+</sup>13, RAN<sup>+</sup>17, SNMB16, SB12, SA19, SLG<sup>+</sup>18, TZI11, WYW15, WZZ<sup>+</sup>17, XRB12, ZV12, dKG<sup>+</sup>10, SHSH17]. **Managing** [AKBD10, SS17, SLZ<sup>+</sup>19]. **MANET** [YAA10]. **MANETs** [Hu11, YA11]. **Many** [CHLL18, DDO<sup>+</sup>18, AFA13, APRA18, AA16, ARI17, BBBC12, CKK<sup>+</sup>13, FTM<sup>+</sup>19, JHF<sup>+</sup>17, Lai14, LWC<sup>+</sup>18, LTG14, MZC18, PCMM<sup>+</sup>17, PTK<sup>+</sup>13, PR13, RLA<sup>+</sup>16, RLA<sup>+</sup>17, TCHC12, ZLS17, dCPD19]. **Many-Core** [DDO<sup>+</sup>18, CHLL18, AFA13, APRA18, AA16, ARI17, BBBC12, CKK<sup>+</sup>13, FTM<sup>+</sup>19, JHF<sup>+</sup>17, KSG13, LWC<sup>+</sup>18, MBBD13, MZC18, PCMM<sup>+</sup>17, PTK<sup>+</sup>13, PR13, RLA<sup>+</sup>16, RLA<sup>+</sup>17, TCHC12]. **many-cores** [ZLS17]. **manycore** [ETS14, FCP<sup>+</sup>15]. **map** [IZ12, CKML12]. **Mapping** [TBG<sup>+</sup>17, BLMB13, CGM14, CDAN14, DFST13, FLL14, KG19, LW16a,

MTL<sup>+18a</sup>, PMAL11, YWJ<sup>+18</sup>, YWG15, ZLKK19]. **MapReduce** [ALTV13, AM17, BK13, BD11, CCA18, CLOL17, GYY<sup>+14</sup>, LYW<sup>+16</sup>, LWWQ18, NMS<sup>+18</sup>, NF16, Pla13, SMT15, VETT18, WTWZ16, uRIL<sup>+18</sup>, WD13]. **MapReduce-based** [VETT18, WD13]. **maps** [DP12]. **Marathon** [LHNBB19]. **MaRCO** [ALTV13]. **Marine** [YWJ<sup>+18</sup>]. **maritime** [WWA<sup>+18</sup>]. **Market** [CKMP17]. **Market-based** [CKMP17]. **Markov** [ASKO16, GA18, LWW19]. **Markovian** [BC11]. **MASC** [TJCB10]. **Mashup** [CLW<sup>+19</sup>]. **massive** [FCG<sup>+14</sup>, JWH<sup>+17</sup>]. **Massively** [DAG<sup>+17</sup>, UGG<sup>+11</sup>, FLM<sup>+19</sup>, JJ12, LGRV19, RBB17, SMH<sup>+14</sup>]. **master** [BMT12]. **master-worker** [BMT12]. **Matching** [HBS17, DKU15, GK10, HN19, KSJC17, KSSG14, MPN17]. **material** [LE19]. **materials** [CXX<sup>+18</sup>, DAG<sup>+17</sup>]. **mathematical** [DJH11]. **matrices** [JM15]. **Matrix** [BG16, ASA18, ASES15, BGO19, CP10b, GA18, LV15, MLW<sup>+19</sup>, MBW16, MPG17b, OT19, PB15, PR13, SAJ13, SE15]. **matrix-vector** [ASES15, CP10b, MBW16, PR13]. **maturity** [CMC<sup>+19</sup>]. **maximal** [BCH15, MPR19, SMT15, TSFZ14, WCH<sup>+17</sup>]. **Maximization** [YZG18, LHX<sup>+16</sup>, LL12b, VLL<sup>+14</sup>]. **maximize** [SSFP11, UFF19]. **maximizing** [CDR12, DW12, Li14, LLCZ19, MA11]. **Maximum** [BLMB13, AFD<sup>+11</sup>]. **Maximum-throughput** [BLMB13]. **maxmin** [ZLCJ12]. **may** [STKW12]. **me** [MPS16]. **mean** [BDL<sup>+19</sup>]. **Means** [DBC13, CDD<sup>+19</sup>]. **measurements** [ASKTZ13, JKIE13]. **measures** [DGBN14]. **Mechanism** [TAM<sup>+19</sup>, AS19b, CG11, CG12, CMR<sup>+18</sup>, CCW14, GYY<sup>+14</sup>, HCM11, KO11, MBO11, PMdO11, RA11, ZBW<sup>+17</sup>]. **mechanisms** [ASKO16, KV10, ALLM11]. **media** [KLP10]. **medical** [KDO<sup>+13</sup>]. **medium** [KGN11]. **Meeting** [AFH<sup>+19</sup>]. **meets** [CRB19]. **Membership** [BMS19, LC14b]. **membrane** [YLZW18]. **memories** [GKK<sup>+13</sup>, KR17]. **Memory** [CRB19, HMR15, SLL18, Tam18, VS16, ZLH<sup>+18</sup>, AM13, ACHY18, BBH<sup>+17</sup>, BBD18, CC16, CGM14, CDAN14, DT11, ETS14, Eij18, EKNS17, FWM<sup>+10</sup>, FLC14, Gra10b, HDCM11, HGFF10, HZHS18, HHA14, Hus17, IIH16, IRRS16, KKR14, KRM14, KKLJ14, KMS10, LLB<sup>+18</sup>, LHZ<sup>+18</sup>, Lop18, MTM10, MSV19, MSK<sup>+16</sup>, NHX<sup>+19</sup>, No12, Pet19, QGZP17, QGZP19, RS19, RHH12, RDCQ17, SSGG18, SB15, SDS10, TGPUC16, VETT18, YGZ<sup>+10</sup>, ZKZF18, ZPK<sup>+14</sup>, ZLWL12, HZL18, MP10]. **Memory-aware** [HMR15]. **memory-based** [No12]. **memory-distributed** [Pet19]. **memoryless** [BKMT14]. **mental** [Eij18]. **Mesh** [DR19, GPJA10, DJDK19, DAB<sup>+14</sup>, FLL14, GDL<sup>+11</sup>, GA16, GNZ18, KKK11a, KHK18, LC11, LWLD12, MRJ<sup>+19</sup>, NPGV10, SSZ10, SBRM19, WCXL11, WBRT13, FC14]. **mesh-NoC-based** [FLL14]. **Mesh-of-Tree-based** [DR19]. **meshes** [BG16, CZZ<sup>+17</sup>, DV13, LWCC15, LXLS12, dMS18]. **Mesos** [LHNBB19]. **Message** [MMCL<sup>+17</sup>, Pra16, CPA<sup>+11</sup>, CJA<sup>+19</sup>, DLM19, DDNT10, HZA<sup>+15</sup>, IRRS16, JZZ<sup>+17</sup>, Kak15, KMS10, KS13, LWK<sup>+19</sup>, LWW19, PS14, TGPUC16]. **message-optimal** [DLM19]. **message-passing** [DDNT10, IRRS16, Kak15, KMS10, KS13]. **messages**

[ASKTZ13, HBSASA19, XLL15]. **meta** [GVBB13, KKS<sup>+</sup>12, LGZ<sup>+</sup>10]. **meta-heuristic** [KKS<sup>+</sup>12]. **meta-learning** [LGZ<sup>+</sup>10]. **meta-scheduling** [GVBB13]. **metadata** [ZV14]. **metaheuristic** [MMK<sup>+</sup>11, ROB<sup>+</sup>18, TLW18, WMG13]. **Metaheuristics** [TH11, TH13]. **metering** [URK<sup>+</sup>19]. **Method** [AC16, AST12, Ale19a, ATDH13, CLZ19, CLC<sup>+</sup>17, CW15, DM17, GNZ18, HGX<sup>+</sup>19, LR14, MVP17, MA19, MRT18, SHL<sup>+</sup>13, WPC19, WHW<sup>+</sup>19, YLL17, dLAMCFN12, PPTV<sup>+</sup>10]. **Method-Level** [AC16]. **methodologies** [DMS<sup>+</sup>16, PSGS17]. **methodology** [CSJ<sup>+</sup>13, DSEP17, LdSB<sup>+</sup>18, MSAZ10a, MSAZ10b, OMT<sup>+</sup>17]. **methods** [DKUÇ15, LWCC15, PAS15, SSZ10, SHRM19]. **metric** [KC17, Luc18, Sta17, XCC<sup>+</sup>19]. **metrics** [DKUÇ15, PARB14]. **MGR** [DAPR18]. **MIC** [WTWZ16]. **micMR** [WTWZ16]. **micro** [KKH17, KC17]. **micro-benchmarks** [KC17]. **micro-clusters** [KKH17]. **microarchitecture** [Zha11]. **Microarray** [BF13]. **MicroCIAn** [BF13]. **microrobot** [LBMG15]. **microscopic** [WHW<sup>+</sup>19]. **Microwave** [XTN12]. **MIDAS** [ECWV19]. **middleware** [AZW13, RPS19, SMPMLVLS11, dKG<sup>+</sup>10]. **midpoint** [TW15]. **midpoint-based** [TW15]. **Migration** [ZXYO11, CLC<sup>+</sup>17, FMIF18, GRJ<sup>+</sup>15, HTB19, JTZZ11, LY12, MB19, WMES12, WSX<sup>+</sup>19, ZLZ<sup>+</sup>19]. **Migration-aware** [ZXYO11]. **migrations** [TKX<sup>+</sup>13]. **million** [PGP<sup>+</sup>12]. **million-core** [PGP<sup>+</sup>12]. **MIMD** [YBM13]. **MIMO** [AD12, GZY14b, ZY12]. **mini** [BCD<sup>+</sup>15]. **mini-applications** [BCD<sup>+</sup>15]. **minimal** [MS15, SWLP19]. **Minimization** [THGY15, CPLY18, JZF<sup>+</sup>15, KR10a, Li17, Li19b, LZLX11, RTZ11, TFMS15, YWG15]. **minimize** [GG19]. **Minimizing** [XLPL19, ZWW17, TKX<sup>+</sup>13, WHS<sup>+</sup>18]. **minimum** [BPBR11, BBD18, HS12, KO12, KSK15, LY10, YWW12, YYLC11]. **Mining** [SMT15, Cuz11, Cuz13, WD13, WZQ<sup>+</sup>13, BMLLC<sup>+</sup>19]. **MIPS** [NPVG<sup>+</sup>19]. **MIPS-based** [NPVG<sup>+</sup>19]. **miss** [CK13]. **mitigate** [ASSS19]. **mitigating** [EMC19]. **Mitigation** [BK18, WCF14]. **mixed** [ZZJ<sup>+</sup>18, ZLWZ18]. **mixed-criticality** [ZZJ<sup>+</sup>18]. **MixHeter** [ZLWZ18]. **Mixing** [FHL<sup>+</sup>15, Li10]. **mixture** [SQQL19]. **Mobile** [LC14b, THGY15, TAM<sup>+</sup>19, TPS<sup>+</sup>18, AKBD10, AH12, Ana14, BWP<sup>+</sup>11, CWD11, DWX10, EM11, FCML13, FP17, GQZ18, Kim11, LL19, LZ11, LL10, LC11, LHW14, Li17, LWW18, MXSL12, MKM16, NSA11, NMN<sup>+</sup>14, PVP18, PMHM19, RB12, REZN17, SNCP12, SGAC14, SMO<sup>+</sup>18, SJS11, TZI11, TC13, TY17, TWQS12, VLW18, VRM10, WW18a, WZX<sup>+</sup>19, WZH<sup>+</sup>19, YSS11, ZGW<sup>+</sup>19, RBP<sup>+</sup>11]. **Mobility** [KO12, BEN12, CKT11, LL19, LZN19, RBP<sup>+</sup>11]. **Mobility-assisted** [KO12]. **mobility-aware** [LL19]. **modal** [AM11, BWP<sup>+</sup>11, Kar19]. **mode** [YZX11]. **Model** [AM17, DKUÇ15, SS18, AAH17, ASKO16, AHZ11, ASES15, BBBC12, Ben19, CLW<sup>+</sup>19, CAK13, CXX<sup>+</sup>18, DZC17, DJH11, DKC14, DXS<sup>+</sup>19, GJ12, GPSH19, HMY<sup>+</sup>18, IEWK17, JLWX11, KyLPC17, KC17, LR14, LMGLGLG17, LZY11, LMXJ18, LWXX19, LCJ<sup>+</sup>18, LGK<sup>+</sup>12, LWWQ18, LXZ13, MS19, MMN<sup>+</sup>18, MMVL11, NV19, NSKN17, PV19, RHH12, TLL<sup>+</sup>18, TJCB10, WWW17b, gWW18, XYZW14, KR11]. **model-based** [DXS<sup>+</sup>19]. **Model-driven** [SS18, ASES15, LGK<sup>+</sup>12].



**Modeling** [DDO<sup>+</sup>18, GHC<sup>+</sup>17, LpJS<sup>+</sup>18, PLD14, PMMMA15, SFT<sup>+</sup>13, WPC19, HES11, JWH<sup>+</sup>17, KKK<sup>+</sup>11b, LWCC15, LC13, MCM<sup>+</sup>11, MSAZ11, NSA11, ORWT<sup>+</sup>18, RA11, UMM<sup>+</sup>18, YL12, YZW<sup>+</sup>15]. **Modelling** [STS19, Wu11, KKTZ13, RK18, Sie16]. **Models** [Cuz11, Cuz13, ASA18, AFH<sup>+</sup>19, DXS<sup>+</sup>19, Eij18, FTM<sup>+</sup>19, GLGLBG12, JKIE13, KVVNV17, Nes10, Rao16, SAR<sup>+</sup>18, SRI14, SQQL19, TJC10, YQTV12]. **modern** [EFG<sup>+</sup>14, GS18, YFS<sup>+</sup>15]. **modified** [CCC<sup>+</sup>19, GLW14]. **modular** [BM17a, ZBW<sup>+</sup>17]. **modularity** [LK15]. **moldable** [SBÇ12b]. **molecular** [LHWJ19, PARB14, PTK<sup>+</sup>13, WYTX13, XLHT13]. **molecules** [BOT13]. **moment** [RMU14]. **moments** [TRS<sup>+</sup>12, XLH18]. **Monitoring** [CSMML10, ST14, ASKO16, ACPT15, BOKS19, CL14, CF19, FEH<sup>+</sup>14, KDSS18, LFS16, RSVW19, SB12, WSX<sup>+</sup>19, WZQ<sup>+</sup>13, YDZ<sup>+</sup>18, ZCW19]. **monotonic** [MAHKZ12]. **Monte** [PAS15, ZS13]. **MOOC** [MBG<sup>+</sup>17]. **motifs** [RSL12]. **movement** [AKBD10, KSB11]. **movements** [CKT11]. **MPI** [DMK19, GM13, MBBD13, Nes10, NCB<sup>+</sup>17, PARB14, TPLY18, Zah12, dIAMCFN12]. **MPI-CUDA** [dIAMCFN12]. **MPSoC** [FLL14, LZLX11, OMT<sup>+</sup>17, ZXYO11]. **MPSoCBench** [DMS<sup>+</sup>16]. **MPSoCs** [LW16a, MTL<sup>+</sup>18a, TBG<sup>+</sup>17]. **MR** [uRIL<sup>+</sup>18]. **MR-Advisor** [uRIL<sup>+</sup>18]. **MRI** [GOH<sup>+</sup>13]. **MSA** [BFKW13]. **Multi** [BBH<sup>+</sup>17, FPF14, LK15, LWH<sup>+</sup>19, MCZ14, OMT<sup>+</sup>17, PKN10, PVRS17, VLL<sup>+</sup>14, AS19a, AVAH18, AHZ11, ASSS19, ADDB18, BWP<sup>+</sup>11, BLMB13, COV13, CDD<sup>+</sup>19, CKC19, CMMT13, CMC<sup>+</sup>19, COF<sup>+</sup>17, CDW<sup>+</sup>19, DBA<sup>+</sup>18, DWYB10, FCW11, FCZ<sup>+</sup>12, FTM<sup>+</sup>19, GDL<sup>+</sup>11, GS18, GKS15, GZY14b, GB11, GSASA19, HRM17, Hu11, Hus17, ICQO<sup>+</sup>12, IIH<sup>+</sup>17, JJ12, JLWX11, KVA18, KSG13, KKN13, KN18b, KN18a, KHK18, Kum17, LKS14, LSS<sup>+</sup>11a, LSS<sup>+</sup>11b, LZY11, LNAL17, LZWZ19, LSC<sup>+</sup>15, LY13, LPLFCM<sup>+</sup>12, LLS<sup>+</sup>16, MS19, Man13, MB13, MPV12, MZC18, MPN17, MAHKZ12, MRJ<sup>+</sup>19, MGRRK14, MZZC12, NDP13, NL19, NFHL13, NVK<sup>+</sup>11, PYP<sup>+</sup>10, PTN<sup>+</sup>19, PKW<sup>+</sup>10, RLA<sup>+</sup>16, RLA<sup>+</sup>17, RB12, RA11, ROB<sup>+</sup>18, SNMB16, SGVRP19, SFT<sup>+</sup>13, SHL<sup>+</sup>13, SSZ10, SWLP19, SAJ13, SHRM19, SMB10, Sta17, Str12, Tal19, TGPUC16, TRS<sup>+</sup>12, TCHC12, VBDR13, VFAD17, WCL<sup>+</sup>13, WQL14, WQZ<sup>+</sup>13, WH17, gWW18, XL11]. **multi** [YZS15, YHWY18a, ZMG<sup>+</sup>16, ZXB14, ZLS17, dCPD19, DAPR18]. **multi-** [KSG13, ZLS17]. **multi-/many-core** [KSG13]. **multi-accelerator** [ICQO<sup>+</sup>12]. **multi-agent** [YZS15]. **multi-attribute** [LSS<sup>+</sup>11a, LSS<sup>+</sup>11b]. **multi-block** [MRJ<sup>+</sup>19]. **multi-budgeted** [Sta17]. **multi-channel** [GDL<sup>+</sup>11, GZY14b, SSZ10, ZMG<sup>+</sup>16]. **multi-chip** [TCHC12]. **multi-cloud** [KVA18]. **multi-cluster** [NVK<sup>+</sup>11, SHL<sup>+</sup>13]. **multi-core** [AVAH18, BLMB13, CDD<sup>+</sup>19, CMMT13, CMC<sup>+</sup>19, DBA<sup>+</sup>18, DWYB10, FTM<sup>+</sup>19, GS18, GKS15, Hus17, LKS14, LNAL17, LSC<sup>+</sup>15, LLS<sup>+</sup>16, MAHKZ12, MGRRK14, RLA<sup>+</sup>16, RLA<sup>+</sup>17, SNMB16, SFT<sup>+</sup>13, SAJ13, SHRM19, WQZ<sup>+</sup>13, WH17, ZXB14]. **multi-cores** [TGPUC16]. **multi-CPU** [TRS<sup>+</sup>12]. **multi-device** [VFAD17]. **multi-dimensional** [GB11, KKN13, KN18b, KN18a, LZY11, LZWZ19]. **multi-document**

[SGVRP19]. **multi-epidemic** [AHZ11]. **multi-GPU** [LPLPMC<sup>+</sup>12, MB13, NFHL13, ROB<sup>+</sup>18, TRS<sup>+</sup>12, VBDRC13]. **multi-granularity** [WCL<sup>+</sup>13]. **Multi-heuristic** [PKN10]. **multi-hop** [FCW11, FCZ<sup>+</sup>12, JLWX11, KHK18, MPV12, RB12, ZMG<sup>+</sup>16]. **Multi-level** [LWH<sup>+</sup>19, OMT<sup>+</sup>17]. **multi-link** [FCZ<sup>+</sup>12]. **multi-modal** [BWP<sup>+</sup>11]. **multi-model** [gWW18]. **Multi-objective** [FPF14, ADDB18, COV13, COF<sup>+</sup>17, CDW<sup>+</sup>19, NL19, SGVRP19, SWLP19, Tal19]. **multi-packet** [CKC19]. **Multi-parameter** [DAPR18]. **multi-pass** [MPN17]. **Multi-path** [VLL<sup>+</sup>14]. **multi-phase** [Man13]. **multi-policy** [SMB10]. **multi-processor** [LY13, SHRM19]. **multi-processors** [JJ12]. **multi-radio** [FCZ<sup>+</sup>12, GDL<sup>+</sup>11, SSZ10]. **multi-railing** [PKW<sup>+</sup>10]. **multi-rate** [Hu11]. **multi-robot** [IIH<sup>+</sup>17]. **multi-secret** [LWH<sup>+</sup>19]. **multi-sensory** [HRM17]. **multi-service** [RA11]. **multi-spectral** [GSASA19]. **multi-staged** [AS19a]. **multi-swarm** [dCPD19]. **multi-target** [NDP13]. **Multi-tenant** [PVR17, YHWY18a]. **multi-thread** [DWYB10]. **Multi-threaded** [BBH<sup>+</sup>17, LK15, ASSS19, PYP<sup>+</sup>10]. **Multi-tier** [MCZ14, MS19, MZZC12, WQL14]. **multi-unit** [XL11]. **multi-valued** [Str12]. **multi-vehicle-type** [PTN<sup>+</sup>19]. **multi-year** [Kum17]. **multiagent** [JL11]. **multicast** [CWD11, DDG<sup>+</sup>17, MAGL13, RA11, WW12, YCH<sup>+</sup>10]. **Multicasting** [WE13, LSXX14]. **multichannel** [WIR<sup>+</sup>18]. **multicomputer** [GJ12]. **Multicore** [PSGS17, BM17a, BSS<sup>+</sup>13, CN14, CP17, DR19, DKU15, FWM<sup>+</sup>10, FCP<sup>+</sup>15, GZG<sup>+</sup>17, KHT<sup>+</sup>14, KyLPC17, KNHH18, LK13, LLLC15, LM16, Li19a, MBBD13, ND12, NZ17, PP13, SSFP11, SPC<sup>+</sup>17, SSGG18, SP13, SC10, WLST16, PPP14]. **multicore/many** [MBBD13]. **multicore/many-core** [MBBD13]. **multicores** [CRSB13, LCB16, SS17]. **multidimensional** [DMK19, dADC18, SJG19]. **multifluid** [LW16b]. **multigrid** [MRS<sup>+</sup>14, WH17]. **multihop** [ZLCJ12]. **multilevel** [LK15, PAS15]. **Multilinear** [ECWV19]. **multimedia** [AFG<sup>+</sup>19, AM12a, ZVL11]. **multipath** [OM10]. **Multiple** [NSAS10, AFK14, BOT13, BFKW13, CDS10, DKUÇ15, IEWK17, JTZZ11, JM15, Kum17, KIH15, LY10, LDP<sup>+</sup>14, Li19a, LSWC14, LWWQ18, PLK<sup>+</sup>18, SPRG<sup>+</sup>12, SI13, SRT<sup>+</sup>18, XCC<sup>+</sup>19, ZWWX16, TJCB10]. **multiplex** [ZXGD18]. **multiplexed** [HRG<sup>+</sup>11]. **multiplication** [ASES15, BGO19, LV15, MBW16, MPG17b, PR13, SKH15]. **multiplicity** [PMHM19]. **multiprocessing** [ZLWL12]. **multiprocessor** [AA10, BYG<sup>+</sup>18, CRJ10b, DMS<sup>+</sup>16, JWSG14, Li16, ZQMM11]. **multiprocessors** [CRJ10a, HCM11, HRG<sup>+</sup>11, KK11, LPK<sup>+</sup>10, LWCG14, dOCS14]. **multiresolution** [SHRM19]. **multiscale** [BFL<sup>+</sup>13]. **multistage** [BJ15, PW16, PW17]. **Multistart** [Cza13]. **multiswapped** [Ste17]. **multitask** [LST<sup>+</sup>13]. **multithreaded** [ACD<sup>+</sup>18, CN14, LLLC15, NZ17, TP18]. **multithreading** [LK13]. **municipal** [LHX<sup>+</sup>16]. **musical** [WIR<sup>+</sup>18]. **Mutual** [Kak15, Ara13, BDM18, LASS15, NTN12, RDA18]. **mutually** [WW18a].

**myoelectric** [BAT<sup>+</sup>19].

**N** [BM17a, GPSH19]. **N-modular** [BM17a]. **NAND** [No12].

**nanoarchitectures** [FCG<sup>+</sup>14]. **nanophotonic** [HRG<sup>+</sup>11]. **nanoscale** [PLD14, ZRN<sup>+</sup>14]. **nanotechnology** [MKN14, MNK12]. **Near** [SLHS19].

**Near-Data** [SLHS19]. **nearest**

[AK19, BDL<sup>+</sup>19, HN19, JHL<sup>+</sup>18, NMN<sup>+</sup>14, SDG17, YTZ19]. **NEAT** [LST17]. **need** [LTG14]. **needed** [IR12]. **needs** [CHLL18]. **neighbor**

[AK19, CKC19, CRHC19, HN19, JHL<sup>+</sup>18, YTZ19, ZMG<sup>+</sup>16].

**Neighborhood** [JdSJC<sup>+</sup>15]. **neighbors** [BDL<sup>+</sup>19]. **neighbours**

[NMN<sup>+</sup>14, SDG17]. **Nek5000** [OGM<sup>+</sup>19]. **NERSC** [RÖE<sup>+</sup>18]. **nested** [ZLKK19]. **NET** [KK17]. **nets** [BYT19, ESCV15]. **Network**

[BJS18, DR18, ES12, LST17, LK10, AHA<sup>+</sup>16, ARI17, AM11, AS19b, BFH<sup>+</sup>17, BM14, BCO<sup>+</sup>12, BWP<sup>+</sup>11, BJ15, CCAAS19, CMMN10, CMR<sup>+</sup>18, CLG<sup>+</sup>16, CWP12, CLXX19, CDY<sup>+</sup>19, DR19, DAPR18, DYL<sup>+</sup>12, GJ12, HD10, HMY<sup>+</sup>18, IZ12, JF12, KMC16, KO11, KO12, KRS15, KH12, LT10, LSS<sup>+</sup>11a, LSS<sup>+</sup>11b, LB12, LLT12, LÜ14, LY13, LRS18, LWCG14, NPS<sup>+</sup>19, NM17, NGQM12, RCG18, RGAN18, RSL12, SMW18, SHK19, SCW<sup>+</sup>18, STKW12, Sta17, TDP15, TCHC12, TYD<sup>+</sup>19, VRM10, WL11, WW18b, WMC<sup>+</sup>18, WLYS19, WG11, WLZ<sup>+</sup>18, WWA<sup>+</sup>18, WHS<sup>+</sup>18, YGWJ19, YLZW18, ZY12, AA14, SLW10, SLG<sup>+</sup>18, ZCF<sup>+</sup>17]. **network-aware**

[RCG18]. **Network-on-Chip** [BJS18, DR19, GJ12, LY13, AA14, ZCF<sup>+</sup>17].

**Network-on-Chips** [LK10]. **network-When** [STKW12]. **networked**

[FX10, JL11, XLL15]. **networking** [DWYB10]. **Networks**

[GPJA10, LC14b, MSEM<sup>+</sup>19, THGY15, TPJ<sup>+</sup>19, ZHW19, AGMS16, Amm16, AH11, AH12, AHG12, Ana14, ACA<sup>+</sup>19, AMT13, AYB<sup>+</sup>15, ABLP17, AS18, BM11, BWP<sup>+</sup>11, BOY10, BFVB19, BC11, BJL18, CG12, CB15, CFI<sup>+</sup>18, CKC19, CC14, CCW14, CS10, CTC<sup>+</sup>10, CRWX12, CGC16, CHCG18, CPA<sup>+</sup>11, CRSB13, CKML12, CTT16, DF17, DLLL11, DK11, DGBN14, DBW<sup>+</sup>18, DBCF13, DKM10, EMC19, ESGQ<sup>+</sup>18, EM11, EDH<sup>+</sup>17, FCW11, FCML13, FCZ<sup>+</sup>12, FGL<sup>+</sup>11, FZ14, GHY10, GJ12, GDCC18, GDL<sup>+</sup>11, GHIJ19, GYP13, GZY14b, GM14a, GB11, GL12, HZA<sup>+</sup>15, HS12, HRG<sup>+</sup>11, HZDP12, HJLR12, HMY<sup>+</sup>18, HBAD15, HS17, HAC17, ISAZ10, JF12, JLY12, JBA15, JBS14, JHPL13, JLWX11, JKV15, KTP17, KSSL16, Kar19, KKK11a, Kim11, KKKP12, KSK15, KHK18, KZ11, KKK<sup>+</sup>11b, KKTZ13, KGN11, Lai15, LL19, LBMG15, LDZ<sup>+</sup>17, LY10, LNA12, Li10, LC11, LMJC11].

**networks**

[LWLD12, LL12b, LHW14, LSXX14, Li14, LpJS<sup>+</sup>18, LGM18, LWXX19, LZC11, LHLM14, LDS16, LWW18, LHW<sup>+</sup>19, MAGL13, MYM10, MAPF14, MPV12, MA11, MBMC19, MCS14, MYD<sup>+</sup>11, MVP17, MBO11, MSAZ11, NPGV10, NPE<sup>+</sup>19, NSA11, NFHL13, NMN<sup>+</sup>14, NZA13, OWK14, OM10, PLY15, PCX<sup>+</sup>11, PCX<sup>+</sup>14, PSC<sup>+</sup>16, PKW<sup>+</sup>10, PW16, PW17, PMCC18, RM10, RM11, REK10a, REK10b, RLP14, RFS<sup>+</sup>12, RBP<sup>+</sup>11, RA11, SCN12, SMP15, SB12, SZMK13, SGAC14, SSZ10, Ste17, SCLL10, SK11, SJS11, TLY12,

TODQ18, TC13, TMK<sup>+17</sup>, TM10, TCS<sup>+10</sup>, TWQS12, VRM10, WW12, WCL<sup>+13</sup>, WYW15, WFLJ16, WW18a, WCXL11, WL10, WBRT13, WHW<sup>+19</sup>, XHZ<sup>+10</sup>, YpGyLIC13, YTZ19, YDZ<sup>+18</sup>, YWW12, ZMG<sup>+16</sup>, ZW11, ZBR11, ZLCJ12, ZCMY12, ZXGD18, ZSCX18, ZTGL17, ZLS17, dOBG<sup>+15</sup>, ALLM11, LDZ<sup>+14</sup>, LDP<sup>+14</sup>, LK11, MLCFH<sup>+18</sup>, MEMEMH17, RBP<sup>+11</sup>].

**Networks-on-Chip**

[MSEM<sup>+19</sup>, HRG<sup>+11</sup>, KKK<sup>+11b</sup>, LHLM14, ALLM11, LK11, MEMEMH17].

**Neural**

[MLCFH<sup>+18</sup>, CLXX19, CDY<sup>+19</sup>, OGRV<sup>+12</sup>, PGP<sup>+12</sup>, TDP15, TYD<sup>+19</sup>].

**neutrino** [AAA<sup>+15</sup>]. **neutrosophic** [MHLZ16]. **Newest** [AK17]. **Newton**

[Pet19]. **Next** [NAB<sup>+11</sup>, HPB<sup>+10</sup>]. **Next-generation** [NAB<sup>+11</sup>, HPB<sup>+10</sup>].

**nexus** [LC14a]. **niched** [AS19a]. **nine** [DM17]. **nm** [HRF<sup>+11</sup>]. **NN** [ZHT16].

**no** [IR12]. **NoC**

[AA16, CZPP16, CAF<sup>+11</sup>, DJDK19, FLL14, HRF<sup>+11</sup>, LZI<sup>+11</sup>, LW16a, LK11].

**NoC-based** [HRF<sup>+11</sup>, CAF<sup>+11</sup>, LZI<sup>+11</sup>, LW16a]. **NoCs**

[BK18, CG17, LK10, MP10]. **Node** [BGO19, HAC17, AKBD10, CFL<sup>+19</sup>,

DLLL11, DM17, GM13, KHN17, KVA18, Lai14, Lai15, Lai17, LDS16,

PCX<sup>+11</sup>, PCX<sup>+14</sup>, RS19, RMHR17, SJG19, TAM<sup>+19</sup>, Zah12].

**node-disjoint** [Lai14, Lai15, Lai17]. **Node-independent** [HAC17, CFL<sup>+19</sup>].

**node-powered** [TAM<sup>+19</sup>]. **nodes** [LKS14, LWW18, NM17, SI13]. **noise**

[SFT<sup>+13</sup>]. **Non** [Li19a, TVT<sup>+17</sup>, BBFN14, BKMT14, GOH<sup>+13</sup>, GTGLSA12,

HZHS18, HLL<sup>+19</sup>, KK10, KR17, LHWJ19, NKV14, WMY<sup>+17</sup>, ZPK<sup>+14</sup>].

**non-blocking** [KR17]. **non-Cartesian** [GOH<sup>+13</sup>]. **Non-clairvoyant**

[Li19a]. **Non-cooperative** [TVT<sup>+17</sup>, KK10]. **non-dedicated** [HLL<sup>+19</sup>].

**non-deterministic** [GTGLSA12]. **non-functional** [WMY<sup>+17</sup>].

**non-memoryless** [BKMT14]. **non-uniform** [BBFN14, LHWJ19].

**non-volatile** [HZHS18, NKV14, ZPK<sup>+14</sup>]. **nonlinear**

[BNBR16, GMMP12, Kub17, Pet19]. **nonscaling** [Zha11]. **Nontrivial**

[ACH18]. **nonzero** [ASA18]. **nonzero-based** [ASA18]. **Normally**

[TOR<sup>+14</sup>]. **NoSQL** [Luc18]. **Note** [NCRK19, RSVW19]. **notice** [PCX<sup>+14</sup>].

**notifications** [APRA18]. **Novel** [GMSS<sup>+11</sup>, BJS18, CLC<sup>+17</sup>, COF<sup>+17</sup>,

CSW<sup>+17</sup>, GB11, Hus17, JdSJC<sup>+15</sup>, LMJC11, MSGS<sup>+13</sup>, PLSM18, SDG17,

WLL16, WXZ<sup>+18</sup>, WXMZ19, ZVL11, ZBR11, ZWWX16, ZLCZ18]. **NSGA**

[SMO14]. **NUMA** [FCP<sup>+15</sup>, PB19]. **number**

[GA18, KCP19, Li14, Pet19, Pet18, PH16]. **numbers** [Can18, JD12].

**Numerical** [Ben15, MRJ<sup>+19</sup>, CDPS18, EFG<sup>+14</sup>]. **NVHT** [HZHS18].

**NVIDIA** [JM15]. **NVM** [ZLH<sup>+18</sup>].

**O** [DLW<sup>+12</sup>, GFPC14, No12, WHW<sup>+17</sup>]. **O-intensive** [HZZ<sup>+19</sup>].

**obfuscation** [MMN<sup>+18</sup>]. **Object**

[Lop13, HD10, LLC15, LC11, SA19, SRB<sup>+19</sup>, SFHS19, TCS<sup>+10</sup>]. **objective**

[ADD18, COV13, COF<sup>+17</sup>, CDW<sup>+19</sup>, FPF14, LÜ14, MMK<sup>+11</sup>, NL19,

SGVRP19, SJVRVVS19, SWLP19, Tal19, dCPD19]. **objectives** [FEH<sup>+14</sup>].

**objects** [AEF11, MB19, SB15]. **Oblivious** [CRSB13, ABBD14, BFVB19].

**OBQA** [ESGQ<sup>+</sup>11]. **observability** [MH18]. **observations** [RTZ11, WHW<sup>+</sup>19]. **observatory** [AAA<sup>+</sup>15]. **obstacles** [SJS11]. **obstructed** [DWX10]. **Obtaining** [VAS<sup>+</sup>13]. **ocean** [Nes10]. **ODEs** [FKB17, KKR14]. **OFDMA** [UM17]. **Off** [JXZ<sup>+</sup>19, TOR<sup>+</sup>14, ACA<sup>+</sup>19, ECLV12]. **offloading** [Ale19a, LYJ<sup>+</sup>19, NHX<sup>+</sup>19, ZGW<sup>+</sup>19]. **offs** [LCB16]. **OLAP** [DKRC<sup>+</sup>15]. **OLSR** [KKK11a]. **OLSR-aware** [KKK11a]. **omnipotent** [BBD18]. **OmpSs** [PSB<sup>+</sup>19]. **on-chip** [BYG<sup>+</sup>18, DJDK19, KH12, LNA12, LLKY13, LSXX14, LLT12, LWCG14, MYD<sup>+</sup>11, PMCC18, UM17]. **On-demand** [YYLC11, HZDP12, LSZZ15, NKK16]. **On-GPU** [LW19]. **on-machine** [AES11]. **on/off** [ACA<sup>+</sup>19]. **once** [ACHY18]. **One** [Bog17, BPBR11, Lai14]. **one-to-many** [Lai14]. **Online** [CRH11, DTK11b, JTC<sup>+</sup>18, KKR14, LQM<sup>+</sup>12, LHLM14, ZGW<sup>+</sup>19, ZLMC14, AZC13, AFG<sup>+</sup>19, BJL18, CXX<sup>+</sup>18, DFLO17, SHC14, TZI11, WWY<sup>+</sup>18]. **only** [SLKK12]. **ONoC** [TKKH17]. **OnRamp** [FKR<sup>+</sup>17]. **ontologies** [ASHO19]. **OP2** [GMS<sup>+</sup>13]. **opacity** [KKW17]. **Open** [DDO<sup>+</sup>18, Kar19, ZSW14]. **open-source** [ZSW14]. **OpenACC** [OGM<sup>+</sup>19]. **OpenCL** [AB13, MC17, PHW<sup>+</sup>13, PSB<sup>+</sup>19, RBB17, Str12, dAT17]. **OpenMP** [LNW<sup>+</sup>12, PARB14]. **OpenMP-based** [LNW<sup>+</sup>12]. **Operating** [PTN<sup>+</sup>19, ASSS19, FABG<sup>+</sup>19]. **operations** [DT11, SLZ<sup>+</sup>19]. **operator** [CKLW19]. **operators** [SMO14, WH17]. **Opportunistic** [LYJ<sup>+</sup>19, DBW<sup>+</sup>18, LWW18, WW18a, WWA<sup>+</sup>18, dKG<sup>+</sup>10]. **Opportunities** [PJ18, ATKT19]. **opposition** [WRW13]. **opposition-based** [WRW13]. **Optical** [DR18, CS10, KK17, KH12, LY13, PLD14, SQQL19]. **Optimal** [AH12, CCC<sup>+</sup>19, HLL<sup>+</sup>19, JLY12, Lai17, LL12b, Li14, Li19b, MPR19, YA11, ZV14, BPBR11, DKKV15, DLM19, EB13, Li10, LCB16, MPG17b, NZA13, PW16, RTZ11, Tam18, VS16, VAS<sup>+</sup>13, WIB12, ZQMM11]. **optimisation** [AD12]. **optimising** [PVR17]. **Optimization** [CGN<sup>+</sup>13, CLA<sup>+</sup>18, DDGK13, DDE19, MBW16, MC17, PMAL11, SLHS19, ALM<sup>+</sup>16, AS19a, APK18, ADDB18, BNBR16, BDGR13, BHLT14, BMS19, BYH<sup>+</sup>17, CMMT13, CCK11, DJH11, GZG<sup>+</sup>17, GL12, HVW16, JZZ<sup>+</sup>17, KS18, LL10, LQM<sup>+</sup>12, LBT19, LGK<sup>+</sup>12, MZC18, NS12, NST19, NL19, Ozt11, PTN<sup>+</sup>19, RCG18, Ren11, SGVRP19, SS11, SWLP19, SPPA19, Str12, TCMB<sup>+</sup>19, TPS<sup>+</sup>18, WCL<sup>+</sup>13, WRW13, WQL14, WMG13, XLHT13, XLH18, ZZJ<sup>+</sup>18, ZV12, ZWWX16, dCPD19]. **Optimization-based** [PMAL11]. **optimizations** [CZPP16, LJZ<sup>+</sup>19]. **optimize** [TdAR18]. **Optimized** [LMXJ18, WJ14, Ana14, DKC14, LHCC19, Pet18, SBRM19, TW15]. **Optimizing** [ASA18, CC16, JST12, LM16, MLW<sup>+</sup>19, PGRP17, SBC12b, WCWO17, WG11, WSLC11, AFNT17, AHA<sup>+</sup>16, DV13, FMIF18, GYY<sup>+</sup>14, PB19, ZGG<sup>+</sup>14]. **Optimum** [BHK17]. **orchestration** [BYT19, PVP18, RCG<sup>+</sup>11]. **order** [BMLLC<sup>+</sup>19, CB15, KKW17]. **Ordered** [HCR12, CG10, KKS<sup>+</sup>12, SW18, YLB<sup>+</sup>15]. **ordering** [Zah12]. **organization** [AAH17, HKK<sup>+</sup>18]. **organizing** [IZ12, KO11, MYM10]. **oriented**

[CF19, CSW<sup>+17</sup>, DZC17, DWYB10, GYAB11, HdR13, HRM17, KHW13, Kum17, LWWQ18, MXSL12, PSGS17, SCG10, WWY<sup>+18</sup>]. **ORN** [SK11]. **Orthogonal** [JD12]. **other** [Kum17]. **OUSNs** [LWW19]. **out-of-core** [KR11]. **outcomes** [NKSA17]. **outer** [CTKA17, CKLW19]. **outerplanar** [TSFZ14]. **outsourced** [XLC<sup>+18</sup>]. **outsourcing** [CXY14, YZC<sup>+19</sup>]. **overall** [XL11]. **overhead** [LMGLGLG17]. **overlap** [ALTV13]. **overlapped** [SWLZ17]. **overlay** [BMS19, BHK17, CMMN10, EDH<sup>+17</sup>, LSS<sup>+11a</sup>, LSS<sup>+11b</sup>, RA11, SB12]. **Overlays** [HASB16]. **oversubscription** [KKLJ14]. **overview** [SSZ10].

**P2P** [AS19b, CFI<sup>+18</sup>, DW12, EDH<sup>+17</sup>, FZ14, GB11, LL19, LZY11, Luc18, MAPF14, RS19, SK11, WCXL11, YCH<sup>+10</sup>]. **PA** [SRT<sup>+18</sup>]. **PA-Star** [SRT<sup>+18</sup>]. **packages** [DAB<sup>+14</sup>]. **Packet** [ZY12, CKC19, CK13, EKNS17, HBS17, HDCM11, KK10, LW19, UM17]. **Packing** [UFF19, CRD12, TSFZ14]. **Page** [Ano18y, Ano18z, Ano18-27, Ano18-28, MTM10]. **paging** [Li17]. **PAHON** [DR18]. **Pairs** [DCA<sup>+15</sup>]. **PAME** [YLZW18]. **PaMeLA** [GDL<sup>+11</sup>]. **pancyclicity** [XHZZ16]. **paper** [OY13]. **Papers** [Ben15, BÇ19, Mue13, Phi13]. **paradigm** [KDSS18, LK15, Sie16]. **Parallel** [AS13, AK19, ASC<sup>+18</sup>, BV13, BKCM17, BW18, COV13, CP10b, CRD17, Cuz11, DDO<sup>+18</sup>, DFHH13, DDGK13, DDE19, FLL14, FZWL12, FGcF17, FTM<sup>+14</sup>, FPS11, GMSS<sup>+11</sup>, GNZ18, HES11, KKN13, KRS13, LWCC15, Las12, LSS<sup>+11a</sup>, LST<sup>+13</sup>, LK11, LKB<sup>+15</sup>, MSGS<sup>+13</sup>, MZC18, MSAZ10a, MNK12, NST19, NZA13, OY13, OT19, PDP17, PCX<sup>+14</sup>, PBB<sup>+17</sup>, PRS14, REK10a, RSL12, RPN19, SHRM19, SLKK13, STS19, TH11, Tát11, Upa13, WRW13, XP10, YBX<sup>+13</sup>, YWAT13, dCPD19, AKDMN15, Ada17, AS19a, ABGV11, AFG<sup>+19</sup>, AMM<sup>+18</sup>, ADDB18, AB13, AJG18, BKC<sup>+15</sup>, BNBR16, BKMT14, BCK<sup>+13</sup>, BSH15, CP10a, CTS17, CDS10, CSMML10, CCE<sup>+17</sup>, CVK<sup>+18b</sup>, CZZ<sup>+17</sup>, CLOL17, CFJW13, CKWT17, CMC<sup>+19</sup>, CM12, CB11, DMK19, dADC18, DMG18, DLW<sup>+12</sup>, DAG<sup>+17</sup>, DRR13, EB13, FKB17, FKR<sup>+17</sup>, FCG<sup>+14</sup>, GMMP12, GVBB13, GG19, GMVGRS16, GAC<sup>+17</sup>]. **parallel** [HSS10, HZZ<sup>+19</sup>, HSH10, HdR13, HN19, HSS17, mH14, JJ12, JST12, JZF<sup>+15</sup>, KKR14, KR10a, KR10b, KHT<sup>+14</sup>, KKS<sup>+12</sup>, KCR14, KN18b, KN18a, KSSG14, KBC<sup>+10</sup>, KIH15, LBMG15, Las13, LPK<sup>+10</sup>, LGRV19, LY12, LMB<sup>+17</sup>, LJZ<sup>+19</sup>, Li19a, LÜ14, LZZ<sup>+11</sup>, LTG14, LGL13, LFEP19, MTL<sup>+18b</sup>, Men18, MMK<sup>+11</sup>, NVK<sup>+11</sup>, NDW17, NSDZ18, NZY<sup>+11</sup>, OTKT12, PMAL11, PPTV<sup>+10</sup>, PA15, PQ19, PPSV15, PGKV18, Rao16, RAN<sup>+17</sup>, ROB<sup>+18</sup>, RSK19, RBB17, Sch14, SPH13, SCM13, SWLP19, Ski16, SMH<sup>+14</sup>, SSdIB<sup>+10</sup>, SR16, Suk18, SHC14, SRT<sup>+18</sup>, SSGZ13, Tal19, Tam18, Ter16, TLW18, UGG<sup>+11</sup>, UFF19, VS16, WLL16, WLCZ15, WIB12, XL11, XS11, XYZW14, YÖ11, YDTZ18, YBM13, Zha11, ZBW<sup>+17</sup>, ZHG<sup>+19</sup>, Cza13, FTK14, KR11, YÖ11]. **parallelisation** [AD12]. **Parallelism** [Bog17, CGN<sup>+13</sup>, XMMD17, MM15, Ozt11, RDCQ17, TBG<sup>+17</sup>, VBF13, WYTX13, ZLWL12]. **Parallelization**

[Kub17, LMY<sup>+11</sup>, MPN17, Nes10, QGZP19, WCEA10]. **parallelized** [WZY<sup>+19</sup>, ZMZJ17]. **Parallelizing** [LLS<sup>+16</sup>, SGVRP19, WCH<sup>+17</sup>]. **Parameter** [ZRN<sup>+14</sup>, APK18, LZY<sup>+18</sup>, DAPR18]. **parameters** [WRW13]. **parametrisation** [MLCFH<sup>+18</sup>]. **Parity** [MC17]. **Pars** [BJ15]. **parsimony** [SJVRVVS19]. **part** [SQQL19, RLA<sup>+16</sup>, RLA<sup>+17</sup>]. **Partial** [HBS17, DGDF10, IR12, LÜ14, OT19, TR16, WHW<sup>+19</sup>]. **partially** [KKS<sup>+12</sup>]. **participants** [GHK<sup>+12</sup>]. **participation** [AK18]. **particle** [LHWJ19, VBDRC13]. **Partition** [SCG10]. **Partitionable** [LC14b, PW17]. **partitioned** [GÖÖ16]. **partitioning** [ASA18, AHA<sup>+16</sup>, DKUÇ15, ES12, GHC<sup>+17</sup>, LSXX14, LZLX11, RMU14, STA12, SLKK13, LWC<sup>+18</sup>]. **partitions** [SBÇ12a]. **pass** [MPN17]. **passing** [DDNT10, IRRS16, Kak15, KMS10, KS13, PS14, TGPUC16]. **Password** [Lop18, YTH<sup>+19</sup>]. **password-authenticated** [YTH<sup>+19</sup>]. **Password-based** [Lop18]. **patch** [GA16]. **patch-based** [GA16]. **Path** [MKM16, CHCG18, DGNW13, GHIJ19, LLFJ18, VLL<sup>+14</sup>, YC12, DCA<sup>+15</sup>]. **paths** [Lai14, Lai15, Lai17, MT14, NCA<sup>+12</sup>, WFLJ16]. **pattern** [PDP17]. **Patternlets** [Ada17]. **Patterns** [AM17, AM13, Ada17, CTS17, ETS14, HHA14, HKK<sup>+18</sup>, KIH15]. **Paving** [APV18]. **payments** [CSS11]. **PBS** [GPJA10]. **PC3** [AHG12]. **pCT** [KDO<sup>+13</sup>]. **PDC** [AYB<sup>+15</sup>, Kum17]. **peak** [YJKD10]. **Pedagogy** [GAC<sup>+17</sup>]. **Peer** [HBF12, LCCL10, NMN<sup>+14</sup>, SJG19, TMK<sup>+17</sup>, AS18, BBB11, CTC11, CGKY12, LKS14, LLW12, SAL10, ZCMY12]. **Peer-to-Peer** [LCCL10, SJG19, TMK<sup>+17</sup>, HBF12, NMN<sup>+14</sup>, AS18, CTC11, LKS14, SAL10, ZCMY12]. **penalty** [CK13]. **people** [HRM17]. **per-core** [LSC<sup>+15</sup>]. **per-object** [LC11]. **per-user** [LC11]. **perfectly** [ZLKK19]. **Performance** [AMSÅ19, CGKY12, DWYB10, DB18, FRM15, GLGLBG12, HTB19, KRS13, KRS14, LGRV19, LNW<sup>+12</sup>, LYW<sup>+16</sup>, MSAZ11, MBG<sup>+17</sup>, NSKN17, NSA11, Nee17, PARB14, PBB<sup>+17</sup>, RSK19, TLY12, TPJ<sup>+19</sup>, TdAR18, XMMD17, YAK15, AM13, AA10, AFH<sup>+19</sup>, AS19a, ARI17, AD12, BCD<sup>+15</sup>, BDGR13, CG17, CCE<sup>+17</sup>, CVK<sup>+18b</sup>, CKWT17, CSW<sup>+17</sup>, Cuz11, Cuz13, DR19, DJH11, DXS<sup>+19</sup>, DKK18, DF12, DYL<sup>+12</sup>, ETS14, ECLV12, FHL<sup>+15</sup>, FCP<sup>+15</sup>, GJ12, GMSS<sup>+11</sup>, GYY<sup>+14</sup>, HES10, HBSASA19, HHS12, HRG<sup>+11</sup>, HdR13, ICQO<sup>+12</sup>, JST12, KVVNV17, KyLPC17, KWZ19, KCR14, KZ11, KC17, LWC<sup>+18</sup>, LWCC15, LC13, LSXX14, LJZ<sup>+19</sup>, LB12, LZZ<sup>+11</sup>, LGL13, LB18, LCB16, LGK<sup>+12</sup>, LWWQ18, MC17, MSGS<sup>+13</sup>, MZC18, MRS<sup>+14</sup>, MBO11, MLK12, MRJ<sup>+19</sup>, MGRRK14, ND12, No12, PCMM<sup>+17</sup>, PB19, PHW<sup>+13</sup>, PVRS17, PGKV18, RPS19, SPRG<sup>+12</sup>, SFP11, STMZ18, SA11, SE15, SR16]. **performance** [TTH12, UMM<sup>+18</sup>, WG11, WLZ<sup>+18</sup>, YAA10, YZW<sup>+15</sup>, YYWZ19, ZWY<sup>+15</sup>, ZKZF18, ZW13, ZWQ<sup>+16</sup>, ZLCZ18, dAT17]. **Performance-constrained** [YAK15]. **performance-portable** [MRS<sup>+14</sup>]. **performance/power** [RPS19]. **periphery** [ABLP17]. **perishable** [GAOHG17]. **PERP** [ZWY<sup>+15</sup>]. **persistence** [CRB19]. **persistent** [ST14]. **Person** [XCC<sup>+19</sup>]. **personal** [HBF12]. **personalized** [PW16]. **perspective** [FSP18, HRM17, LNC13, NXTK17, RBP<sup>+11</sup>]. **Perspectives** [PRS14].

**perturbation** [CHX<sup>+</sup>17]. **Pervasive** [NDW17, KKKP12, Kol19, Ksh12, Sie16]. **Pessimistic** [MMCL<sup>+</sup>17]. **Petascale** [SWHB17, RFP<sup>+</sup>19, WYTX13]. **Petri** [BYT19]. **phase** [Man13, SNCP12]. **phases** [GA18, SSGZ13]. **PHAST** [DGNW13]. **Phi** [CHLL18, RPN19]. **philosophers** [AFNT17]. **Phi<sup>TM</sup>** [KVVV17]. **Phoebus** [KSB11]. **photon** [FLL14]. **photon-mapping** [FLL14]. **Photonic** [APRA18]. **Photonic-based** [APRA18]. **Physical** [QGB<sup>+</sup>17, SNMB16, BC11, CSW<sup>+</sup>17, DZC17, HRM17, JWH<sup>+</sup>17, LLWC17, SLG<sup>+</sup>18]. **Physical-aware** [SNMB16]. **physics** [CP10b]. **Pi** [EHKSS19]. **PIC** [YBX<sup>+</sup>13]. **pictures** [FGcF17]. **Piece** [CTC11]. **Pilot** [LSZJ15]. **Pilot-Data** [LSZJ15]. **pipeline** [PW17]. **Pipelined** [GÖÖ16, BDGR13, LHHH11]. **pipelines** [WG11]. **pivoting** [ADV14]. **placement** [FMIF18, GM14b, ISAZ10, LBT19, LRS18, MSRB19, MTM10, PA15, WCWO17, WZX<sup>+</sup>19, WSLC11]. **planar** [DCA<sup>+</sup>15]. **plane** [CRJ10a]. **plane-based** [CRJ10a]. **planning** [CHX<sup>+</sup>17, LHW<sup>+</sup>19, MKM16]. **plasticity** [RBOH<sup>+</sup>18]. **platform** [Ale19a, AMSÅ19, AM11, BSH15, CJYC19, CVK<sup>+</sup>18b, CS17, CB11, Cza13, FLL14, LTG14, PLSM18]. **platforms** [Ale19b, BLMB13, CGL<sup>+</sup>14, CDR12, FCP<sup>+</sup>15, GAOHG17, LSC<sup>+</sup>15, LLS<sup>+</sup>16, MBBD13, MSV19, PP13, SSVC10, VLW18, WJ12, WJ14, YFS<sup>+</sup>15, ZXMR18, ZHG<sup>+</sup>19, dSS11]. **playing** [RPN19, WW18b]. **plex** [WCH<sup>+</sup>17]. **plucked** [CKK<sup>+</sup>13]. **plus** [WXMZ19]. **PMSS** [HHA14]. **Point** [REZN17, Can18, CNLGRL18, Dav17, SHRM19, SSGZ13]. **point-to-point** [SSGZ13]. **point-value** [SHRM19]. **pointer** [KHK18]. **pointers** [LS19]. **Poisson** [JGMY17, WJ14]. **policies** [BVG14, CG17, FCJG<sup>+</sup>18, GHC<sup>+</sup>17, MP10, SS17]. **policy** [ARD14, EHL<sup>+</sup>15, LWLD12, LL12a, SMB10]. **polling** [GHK<sup>+</sup>12]. **Poly** [AF17]. **Poly-logarithmic** [AF17]. **polymorphic** [ETS14]. **Polynomial** [GPJA10]. **pools** [AFD<sup>+</sup>11]. **population** [MS15]. **Portability** [SGdSS13, AFH<sup>+</sup>19, ETS14, LGRV19, PHW<sup>+</sup>13]. **Portable** [VAF19, LFGM17, MRS<sup>+</sup>14, MLK12]. **portal** [FKR<sup>+</sup>17]. **possession** [LZY<sup>+</sup>18]. **possibly** [MCS14]. **potential** [ARD14]. **Power** [CG17, DR18, KCR14, MAHKZ12, WQL14, ARI17, AG12, CJYC19, CZPP16, CHCG18, DZC17, HZL18, HLL<sup>+</sup>19, JHF<sup>+</sup>17, KK11, LM16, LB12, MGRRK14, OJP<sup>+</sup>18, RPS19, Ren11, SZL10, TJCB10, TVT<sup>+</sup>17, YBX<sup>+</sup>13, YA11, YZW<sup>+</sup>15, YJKD10, ZLKK19, ZV12, ZCF<sup>+</sup>17]. **Power-Aware** [DR18, KCR14, WQL14, CHCG18, OMT<sup>+</sup>17, SZL10]. **power-constrained** [JHF<sup>+</sup>17]. **power-gating** [CZPP16]. **Power-performance** [CG17]. **powered** [TAM<sup>+</sup>19]. **PPM** [LW16b]. **practical** [FSP18, LXW<sup>+</sup>11, Suk18]. **pre** [GDCC18, HMR15, SJS11]. **pre-assigned** [HMR15]. **pre-detection** [GDCC18]. **Pre-Processed** [SJS11]. **precedence** [XLL15]. **Precise** [KSJC17]. **precision** [BGBC<sup>+</sup>16]. **preconditioned** [CP10b]. **preconditioner** [GLW14]. **preconditioning** [CASD18]. **predicates** [Ksh12, SKK14]. **Predictability** [SB12]. **Predictable** [SB12, YYWZ19]. **predicting** [BCD<sup>+</sup>15, KBC19]. **Prediction**



[ASKO16, AYB<sup>+</sup>15, DBW<sup>+</sup>18, WDS<sup>+</sup>18, WWA<sup>+</sup>18, ARVZ14, CXX<sup>+</sup>18, CXQ<sup>+</sup>18, DZC17, DKC14, KVA18, LGZ<sup>+</sup>10, LC14a, LKM12, LWWQ18, MVP17, PMdO11, Udd19, WWY<sup>+</sup>18, WZH<sup>+</sup>19, uRIL<sup>+</sup>18, WHW<sup>+</sup>19]. **Prediction-based** [AYB<sup>+</sup>15, DBW<sup>+</sup>18]. **predictions** [LSH<sup>+</sup>13, NVK<sup>+</sup>11]. **predictive** [BYH<sup>+</sup>17, SNMB16]. **preemptable** [LQM<sup>+</sup>12]. **preemption** [SJB12]. **preemptive** [JTZZ11]. **preferences** [WMY<sup>+</sup>17, WTY<sup>+</sup>18]. **prefetch** [Zha11]. **prefetching** [HD10, LAK10, SSGG18]. **prefix** [EB13, SPH13]. **prefix-based** [SPH13]. **Pregel** [XYZW14]. **Preparing** [GS18]. **presence** [HZA<sup>+</sup>15, PMHM19, WE13, WSLC11]. **preservation** [GSASA19]. **preserved** [SWW<sup>+</sup>17, YGWJ19]. **Preserving** [WBS19, AKK<sup>+</sup>19, CXY14, SRB<sup>+</sup>19, TKR<sup>+</sup>19, TH19, WML<sup>+</sup>18, YTZ19, ZLT<sup>+</sup>19]. **prevention** [BYT19]. **pricing** [AKSZ19, ZV12]. **primitives** [AF17, BBH<sup>+</sup>17]. **principal** [VLW18, AHG12]. **principle** [GXYZ13]. **principles** [DAG<sup>+</sup>17]. **Prior** [KHN17, SHK19]. **prioritized** [LASS15]. **priority** [MAKWZ13, SR16]. **Privacy** [AKK<sup>+</sup>19, CXY14, TH19, YTZ19, ZLJ<sup>+</sup>19, BJJ18, GSASA19, LHW<sup>+</sup>19, LLDL15, SRB<sup>+</sup>19, SWW<sup>+</sup>17, TKR<sup>+</sup>19, URK<sup>+</sup>19, WML<sup>+</sup>18, WLYS19, YGWJ19, ZLT<sup>+</sup>19]. **Privacy-aware** [ZLJ<sup>+</sup>19]. **privacy-based** [WLYS19]. **privacy-preservation** [GSASA19]. **privacy-preserved** [SWW<sup>+</sup>17]. **Privacy-preserving** [AKK<sup>+</sup>19, CXY14, TH19, YTZ19, WML<sup>+</sup>18, ZLT<sup>+</sup>19]. **Private** [REK10a, REK10b, CKMP17, LTWW12, SHK19]. **privatizing** [QGZP19]. **privileges** [LS19]. **Pro** [KV10]. **Pro-active** [KV10]. **Proactive** [TXLL14, WMES12, DW12, FX10, KAA<sup>+</sup>19b, WWY<sup>+</sup>18]. **Probabilistic** [SCMS12, ESCV15, JHPL13, WMG13]. **probabilities** [XCC<sup>+</sup>19]. **probability** [DJH11, GXYZ13, LNAL17, LXLS12, NGQM12]. **probability-based** [GXYZ13]. **Problem** [BSH15, BCMV15, BW18, DBA<sup>+</sup>18, dADC18, EMC19, FZWL12, HC11, LCCL10, LLCZ19, LFEP19, OA10, PDB13, Sch13, Sta17, WLL16, WCEA10, WMG13, Cza13]. **problems** [CMMT13, GRS19, Men18, NST19, Pet19, PPSV15, WRW13, WMG13, YS11, ZTFK16, dCPD19]. **procedure** [Kub17]. **process** [Ale19b, GA18, HRF<sup>+</sup>11, MEMEMH17, MSEM<sup>+</sup>19, SDG17, TKX<sup>+</sup>13, WMES12]. **process-level** [WMES12]. **Processed** [SJS11]. **processes** [GK15]. **Processing** [AGWY11, DDGK13, Eme13, GLGLBG12, OY13, SLHS19, VAF19, YL12, YJL16, AAA<sup>+</sup>15, ATDH13, AM11, BK13, BAT<sup>+</sup>19, BHS13, CLA<sup>+</sup>18, CHLL18, CM12, DFLO17, EKNS17, HBS17, JKD<sup>+</sup>15, KKN13, KN18b, KN18a, LB12, LW19, LL18, LKB<sup>+</sup>15, MTL<sup>+</sup>18b, NHX<sup>+</sup>19, NLB<sup>+</sup>18, PV19, PYP<sup>+</sup>10, PGP<sup>+</sup>12, RCG18, Ren11, RAN<sup>+</sup>17, SIY14, SS18, SCLL10, SI13, VETT18, WL10, ZMCP11, ZHH15, PRS14]. **processing-in-memory** [NHX<sup>+</sup>19]. **processor** [DK11, LC13, LY13, NPVG<sup>+</sup>19, PR13, SHL<sup>+</sup>13, SAJ13, SE15, SHRM19, TdAR18, WIR<sup>+</sup>18, XP10, YBM13]. **processors** [ARI17, BM17a, CN14, CCK11, CHLL18, CKK<sup>+</sup>13, CRSB13, CMC<sup>+</sup>19, DDG<sup>+</sup>17, DWYB10, FSP18, JJ12, JHF<sup>+</sup>17, JZF<sup>+</sup>15, Li19a, LV15, NS12, NZ17, SPC<sup>+</sup>17, SNMB16, SP13, XTN12, ZXB14]. **producer** [KK11]. **producer-consumer** [KK11]. **Product** [AFG<sup>+</sup>19, ISAZ10, JD12, MSAZ11].

**production** [TDBL13, TYD<sup>+</sup>19]. **productivity** [VFAD17]. **products** [CP10b]. **profiles** [YWAT13]. **profiling** [KC17, uRIL<sup>+</sup>18]. **Profit** [LWZZ12, KSSK16, LLCZ19, ZV12]. **Profit-driven** [LWZZ12]. **programmability** [KWZ19]. **programmable** [EAB<sup>+</sup>19, HHA14, PYP<sup>+</sup>10]. **Programming** [COV13, DRR13, VBF13, VFAD17, AB13, AJG18, BYG<sup>+</sup>18, Bog17, BHS13, BLZ<sup>+</sup>18, CTS17, CCE<sup>+</sup>17, CMR19, Eij18, FGcF17, HdR13, HSS17, IEWK17, KSG13, KZ11, Pet19, RK18, SSdIB<sup>+</sup>10, TFMS15, YQTV12]. **programs** [CC16, CAK13, DMG18, GÖÖ16, LPK<sup>+</sup>10, LZZ<sup>+</sup>11, SCM13, UFF19, YDTZ18, ZXB14]. **Project** [BSH15]. **projection** [FGL<sup>+</sup>11, NCA<sup>+</sup>12]. **prone** [DDG<sup>+</sup>17, GK15, OWK14]. **proof** [ZLT<sup>+</sup>19]. **proof-of-delivery** [ZLT<sup>+</sup>19]. **proofs** [AP16]. **propagated** [SHK19]. **propagation** [BEN12]. **proper** [NGQM12]. **properties** [WMY<sup>+</sup>17, YDTZ18]. **properties-aware** [WMY<sup>+</sup>17]. **proportionality** [KR12, KCR14]. **proposal** [ESGQ<sup>+</sup>14, NKK16]. **Protected** [LS19]. **protection** [Lop13, Lop18, YGZ<sup>+</sup>10]. **protein** [WDS<sup>+</sup>18, YL12]. **Protocol** [BHK17, AMT13, ARD14, BDM18, BOY10, CCC<sup>+</sup>19, EDH<sup>+</sup>17, GZY14b, HLS12, HZDP12, MAGL13, MPG17a, NPGV10, NSA11, SMPMLVLS11, TLY12, WCCH18, YGWJ19, ZLCJ12, SJS11]. **protocols** [BJL18, CXY14, CDAN14, KLP10, MMCL<sup>+</sup>17, MS15, RFS<sup>+</sup>12, YTH<sup>+</sup>19]. **proton** [KDO<sup>+</sup>13]. **provable** [LZY<sup>+</sup>18]. **provably** [LWK<sup>+</sup>19]. **providing** [Zah12]. **proving** [SHSH17]. **provisioning** [AMU<sup>+</sup>19, JAB12, KM17, Kim17, MZZC12, MCZ14, NF16]. **proximity** [CJDC10]. **proxy** [WXMZ19, ZVL11]. **PS** [dAAD<sup>+</sup>19]. **PSCR** [MRT18]. **pseudo** [CVK<sup>+</sup>18a]. **pseudo-spectral** [CVK<sup>+</sup>18a]. **PSO** [ADD18, dCPD19]. **PTNet** [BFH<sup>+</sup>17]. **public** [AVAH18, SSX14]. **public-key** [AVAH18]. **Publish** [MS19, ZW13, dAAD<sup>+</sup>19]. **Publish/subscribe** [MS19, ZW13, dAAD<sup>+</sup>19]. **PUF** [BDM18]. **PUF-based** [BDM18]. **Pull** [DLLL11]. **purpose** [CW15, GRS19, LCB16]. **pursuit** [YpGyLIC13]. **pursuit-evasion** [YpGyLIC13]. **Push** [DLLL11]. **PUT** [HLS12]. **pyrosequencing** [SPRG<sup>+</sup>12].

**QDaS** [LJQ<sup>+</sup>19]. **QoE** [KS18, MSRB19]. **QoS** [BOY10, CLW<sup>+</sup>19, CKML12, Kim11, Kim17, KKK<sup>+</sup>11b, LZI<sup>+</sup>11, RSVW19, SJB12, SA19, WZH<sup>+</sup>19, YJKD10]. **QoS-aware** [CLW<sup>+</sup>19, CKML12, LZI<sup>+</sup>11, YJKD10]. **Quadratic** [Cza13]. **qualitative** [WMY<sup>+</sup>17, WTY<sup>+</sup>18]. **Quality** [LJQ<sup>+</sup>19, MSRB19, NCRK19, NZY<sup>+</sup>11, AKK<sup>+</sup>19, AH11, AH12, DV13, FC14, LNA12, LZN19, PTN<sup>+</sup>19, TCMB<sup>+</sup>19]. **quality-aware** [AH12]. **quality-of-service** [LNA12]. **Quantifying** [FX10]. **Quantitative** [YZW<sup>+</sup>15, GXYZ13, KC17, WMY<sup>+</sup>17, WTY<sup>+</sup>18]. **Quantization** [AFG<sup>+</sup>19]. **Quantized** [FKB17]. **quasi** [Pet19]. **quasi-Newton** [Pet19]. **queries** [BBCQ13, LSZZ15, LKB<sup>+</sup>15, PAG<sup>+</sup>18, SSKS11]. **Query** [HASB16, CHLL18, GB11, JHL<sup>+</sup>18, KKN13, LZWZ19, LL18, NSAS10,

SCLL10, SJG19, WL10, YTZ19, ZHT16]. **Querying** [TT10, DTK11b].  
**queue** [ESGQ<sup>+</sup>11]. **queueing** [MGRRK14]. **queues** [ACH18].

**R** [KKN13, LMY<sup>+</sup>11, TR16]. **R-tree** [TR16]. **R-trees** [KKN13]. **Racetrack** [HZL18]. **radiation** [KVVV17]. **RADIC** [CLMRL15]. **radio** [FCZ<sup>+</sup>12, GDCC18, GDL<sup>+</sup>11, RFS<sup>+</sup>12, SSZ10]. **radix** [MRT18, VAS<sup>+</sup>13]. **radix-4** [MRT18]. **RAFT** [MYD<sup>+</sup>11]. **RAID** [TTH12]. **railing** [PKW<sup>+</sup>10]. **Ramos** [DBLB<sup>+</sup>12]. **Ranch** [LMP10]. **Random** [BBS13, AGMS16, BBN12, BCK<sup>+</sup>13, DJH11, KCP19, Li10, Pet18, SMP15, SCMS12]. **randomized** [CKC19]. **range** [CDD<sup>+</sup>19, GB11, KKN13, LHWJ19, LZWZ19, MKM16, PARB14, YWAT13]. **range-free** [MKM16]. **ranges** [CHCG18]. **rank** [YZC<sup>+</sup>19]. **rapid** [XSYG18]. **rapidly** [Li10]. **rare** [BV13]. **Rate** [OJP<sup>+</sup>18, AGWY11, GA18, Hu11, KHK18, MAHKZ12, SCW<sup>+</sup>18]. **Rate-based** [OJP<sup>+</sup>18]. **RAW** [SV19]. **ray** [CS17]. **RBF** [TYD<sup>+</sup>19]. **rCUDA** [RPS19, RS19]. **re** [LMJC11, RCG18, WXMZ19, XCC<sup>+</sup>19]. **re-authentication** [LMJC11]. **re-encryption** [WXMZ19]. **re-identification** [XCC<sup>+</sup>19]. **re-optimization** [RCG18]. **reaction** [XLHT13]. **Reactive** [OOSGVG<sup>+</sup>16, NPGV10]. **Read** [IRRS16, AM12b, CG10, IR12]. **read-dominated** [AM12b]. **read-write** [CG10]. **Read/write** [IRRS16, IR12]. **readers** [FKKR16]. **reads** [SPRG<sup>+</sup>12]. **Real** [LML<sup>+</sup>10, BVGV14, BDGR13, CF19, CCK11, CRJ10a, CRJ10b, DKRC<sup>+</sup>15, FSP18, FC14, GZG<sup>+</sup>17, HV13, JLWX11, JZZ<sup>+</sup>17, JHL<sup>+</sup>18, KKW17, MLDG12, MAKWZ13, MVP17, SA19, SRB<sup>+</sup>19, TYD<sup>+</sup>19, ZZJ<sup>+</sup>18, ZHH15, ZQMM11, ZHLQ12]. **Real-time** [LML<sup>+</sup>10, BVGV14, BDGR13, CCK11, CRJ10a, CRJ10b, DKRC<sup>+</sup>15, FC14, GZG<sup>+</sup>17, HV13, JZZ<sup>+</sup>17, JHL<sup>+</sup>18, KKW17, MLDG12, MAKWZ13, SA19, SRB<sup>+</sup>19, TYD<sup>+</sup>19, ZZJ<sup>+</sup>18, ZHH15, ZQMM11, ZHLQ12]. **realistic** [FTM<sup>+</sup>19, SJS11]. **rear** [CXQ<sup>+</sup>18]. **rear-end** [CXQ<sup>+</sup>18]. **recall** [BGBC<sup>+</sup>16]. **reception** [CKC19]. **reciprocity** [HBF12]. **Reco** [EHKSS19]. **Reco-Pi** [EHKSS19]. **recognition** [CNLGRL18, CWZ<sup>+</sup>18, CLXX19, CDY<sup>+</sup>19, RK18, SAR<sup>+</sup>18]. **recommendation** [CLW<sup>+</sup>19, COF<sup>+</sup>17, LMXJ18, WTY<sup>+</sup>18, WLYS19]. **recommendations** [WZH<sup>+</sup>19]. **recommender** [HWL18, ZLJ<sup>+</sup>19]. **reconfigurability** [ZXYO11]. **Reconfigurable** [CGFH19, ORWT<sup>+</sup>18, AM13, AHA<sup>+</sup>16, EHKSS19, HZL18, Lla17, NL19, PPP14, TJCB10]. **reconfiguration** [DMG18, DBLB<sup>+</sup>12, HBS17, JWGS14, LBMG15, LHX<sup>+</sup>16, NPVG<sup>+</sup>19, ZBW<sup>+</sup>17]. **Reconstructing** [BDG<sup>+</sup>15]. **reconstruction** [BDRB14, HES10, OGRV<sup>+</sup>12]. **recoverable** [ZSCX18]. **Recovery** [LY10, TTH12, ZWY<sup>+</sup>15]. **rectangular** [SBÇ12a]. **recursive** [AKDMN15, MM15]. **red** [BE13, DMI<sup>+</sup>19]. **red-black** [BE13]. **redirect** [ACCP12]. **redistribution** [KNHH18]. **RedSync** [FFYH19]. **reduce** [CRD12, LMGLGLG17]. **reduced** [LC13]. **Reducing** [FFYH19, IHH16, ASA18, CK13, RWB<sup>+</sup>13]. **reduction**

[BV13, BW18, Li17, MS19, SPH13, YAK15]. **redundancy**  
 [BM17a, RMHR17]. **Redundant** [CKT11]. **ReduxSTM** [PGRP17].  
**Reevaluating** [SC10]. **reference** [SPRG<sup>+</sup>12]. **refinement**  
 [ASC<sup>+</sup>18, DAB<sup>+</sup>14, GA16, GNZ18]. **reflectance** [YWAT13]. **reflective**  
 [KKKP12]. **register** [YPCW16]. **registration** [CDD<sup>+</sup>19]. **Regression**  
 [MZZC12]. **Regression-based** [MZZC12]. **regressive** [KBC19]. **Regular**  
 [ZHW19, Li10]. **Regularizing** [SSKÇ15]. **regulation** [RDCQ17].  
**reinforcement** [HHK15, OPR18, TXLL14, XRB12]. **ReKonf** [PPP14].  
**related** [BBFN12, CDPS18]. **Relating** [TJCB10]. **Relation** [HCR12].  
**relational** [CLW<sup>+</sup>19, TR16]. **relations** [KLP10]. **relationship** [XS11].  
**relationships** [CRWX12]. **relaxation** [ATDH13]. **Relaxing** [KKW17].  
**Reliability** [BDGR13, TLLV10, HHK15, JST12, KHW13, TLQS12, TTH12,  
 VRM10, WWW17b, WWY<sup>+</sup>18, XS11, XLPL19]. **Reliability-aware**  
 [TLLV10]. **reliability-driven** [TLQS12]. **reliability-oriented** [KHW13].  
**Reliable**  
 [AAH17, MPS16, AA16, ACPT15, ATKT19, OWK14, ZW13, DAPR18].  
**reloading** [BBS13]. **ReLog** [ZTGL17]. **Remapping** [LW19, YGZ<sup>+</sup>10].  
**Remote** [PLK<sup>+</sup>18, BVGV14]. **renaming** [AP16]. **rendering** [FLL14].  
**rendezvous** [DJH11, GGY19, MP15]. **renewable** [AK18, URK<sup>+</sup>19].  
**reordering** [LMGLGLG17]. **repeated** [JTC<sup>+</sup>18]. **replacement** [BV13].  
**replica** [GM14b, JXZ<sup>+</sup>19]. **Replicable** [AMM<sup>+</sup>18]. **replicas** [TR16].  
**Replicated** [RJKL11, STA12, ASB18]. **Replication**  
 [MD13, ARDQ18, BCC<sup>+</sup>18, KR12, MB19, WW12, WWW17b].  
**replication-based** [WWW17b]. **replications** [ZV14]. **report** [Kum17].  
**repositories** [VLGV<sup>+</sup>18]. **Reproducing** [CDPS18]. **reprogrammable**  
 [LLY15]. **reprogramming** [MAGL13, ZTGL17]. **Reputation**  
 [HBC15, LS10]. **reputation-driven** [LS10]. **request** [ZV14]. **require**  
 [AF17]. **Requirement** [HV13, WW18a]. **Requirement-aware** [HV13].  
**Requirements** [CZPP16]. **rerouting** [JWSG14]. **rescue** [WWA<sup>+</sup>18].  
**Research**  
 [GLW14, Kum17, MLZY17, WZ13, Hua17, LZ11, NPE<sup>+</sup>19, PSGS17].  
**Research-oriented** [Kum17, PSGS17]. **reservations** [CRH11]. **reserve**  
 [SWLP19]. **residue** [PH16]. **resilience** [RMGM19]. **resilient**  
 [DFHH13, TKKH17]. **resistive** [ZPK<sup>+</sup>14]. **resizable** [SR16]. **resizing**  
 [CPLY18]. **resolution** [GOH<sup>+</sup>13, SQQ19]. **Resolving** [Zha11]. **Resource**  
 [BVG14, BSH15, BKK<sup>+</sup>11, ISAZ10, KM17, SZMK13, SSV10, ZAB18,  
 AAA<sup>+</sup>10, ADD17, AS19b, BMS19, BSS<sup>+</sup>13, CCA18, CDS10, CRH11, CJA<sup>+</sup>19,  
 CKMP17, DW12, ESCV15, Fu10, HHK15, JAB12, JHF<sup>+</sup>17, KBC19, LL10,  
 LL12a, LS10, MAPF14, MZZC12, MCZ14, NF16, OJP<sup>+</sup>18, RCG<sup>+</sup>11, SSM<sup>+</sup>16,  
 SNCP12, SCMS12, TFMS15, TKX<sup>+</sup>13, VD18, VMMB10, XL11, ZLL14].  
**resource-constrained** [VMMB10]. **Resource-efficient** [SZMK13].  
**resources** [ASKO16, AM11, CFI<sup>+</sup>18, LKM12, LZI<sup>+</sup>11, LDP<sup>+</sup>14, NVK<sup>+</sup>11,  
 NSDZ18, URK<sup>+</sup>19, YZS15]. **respectable** [GHK<sup>+</sup>12]. **Response**  
 [TPS<sup>+</sup>18, HPB<sup>+</sup>10]. **Restart** [LACJ18, NC13]. **restarts** [GK15]. **restricted**

[JZF<sup>+</sup>15]. **resultants** [Eme13]. **results** [HSH10]. **Rethink** [WW18a].  
**Retraction** [PCX<sup>+</sup>14]. **retrieval** [KTP17, SWW<sup>+</sup>17]. **REU** [Hua17]. **Reuse**  
 [BC11, DSEP17, DMI<sup>+</sup>19]. **revealing** [AF17]. **reverse** [NMN<sup>+</sup>14]. **review**  
 [ZGJ<sup>+</sup>18]. **Reviewer** [Ano10b, Ano11k, Ano12n, Ano14g, Ano15k].  
**reviewers** [Gra10a]. **revised** [KP17]. **revisited** [DJ16, GXYZ13].  
**Revisiting** [SPH13]. **rewarding** [CFI<sup>+</sup>18]. **RF** [UM17]. **RGA** [LHCC19].  
**ring** [LLKY13, LLDL15, RM10]. **rings** [DLM19, PR12, SMO<sup>+</sup>18]. **RISE**  
 [AZW13]. **risk** [FGL<sup>+</sup>11, PVRS17, WHW<sup>+</sup>19]. **river** [SQQ19]. **RNS**  
 [PH16]. **road** [LHW<sup>+</sup>19, SWLZ17, YTZ19]. **robot** [IIH<sup>+</sup>17]. **robots**  
 [PMHM19, ZBW<sup>+</sup>17]. **Robust** [BSS<sup>+</sup>13, KRS15, PVP18, ZMG<sup>+</sup>16,  
 BBCQ13, BAT<sup>+</sup>19, LDS16, LZY<sup>+</sup>18, MSF<sup>+</sup>13, SSM<sup>+</sup>16, SNCP12].  
**robustness** [CKWT17, TdAR18]. **Roe** [dIAMCFN12]. **role** [BCD<sup>+</sup>15].  
**roofline** [KC17, NV19, NSKN17]. **root** [LXW<sup>+</sup>11]. **rooted** [GHIJ19]. **route**  
 [LHW<sup>+</sup>19]. **router** [MYD<sup>+</sup>11]. **routers** [ZCF<sup>+</sup>17]. **Routing** [CS10, AA14,  
 AA16, AD10, ABF<sup>+</sup>14, BOY10, BFVB19, CC14, CHCG18, CMN12, CAF<sup>+</sup>11,  
 DJDK19, DJH11, DBW<sup>+</sup>18, GHY10, GDL<sup>+</sup>11, GTGLSA12, Hu11, HJLR12,  
 JLWX11, KLP10, KSK15, LLT12, LY13, LLDL15, MPS16, MSAZ10a,  
 MSAZ10b, MSEM<sup>+</sup>19, OM10, RFS<sup>+</sup>12, RB12, SW12, Sch13, SWLZ17, SJS11,  
 TCHC12, WW12, WCL<sup>+</sup>13, WHC<sup>+</sup>18, WWA<sup>+</sup>18, YMPL14, Zah12, ZW11].  
**RRAM** [TOR<sup>+</sup>14]. **RRAM-based** [TOR<sup>+</sup>14]. **Run**  
 [LLY15, LW16b, LTG14, NVK<sup>+</sup>11, XL11]. **Run-time** [LLY15, XL11].  
**running** [GRR13, dSS11]. **runtime**  
 [BGA12, KNHH18, LFS16, LMY<sup>+</sup>11, PQ19, SP13, TDBL13].

**S** [AGWY11]. **SABA** [ZVL15]. **sacrificing** [FKKR16]. **safe** [CDD<sup>+</sup>15].  
**salesman** [WMG13]. **sampling** [BBB11, SMP15]. **SAT** [SHA17]. **satellite**  
 [SQQ19]. **SAUCE** [HSS17]. **saving** [SSGZ13]. **SBCI** [AS19b]. **Scala**  
 [GKK<sup>+</sup>13]. **Scalability** [PTK<sup>+</sup>13, dSS11, AFH<sup>+</sup>19, CLG<sup>+</sup>16, CP10b, GA16,  
 LdPLC<sup>+</sup>19, NSKN17, QGZP17, RM10]. **Scalable**  
 [AS13, AS15, BM17b, CSMML10, DKRC<sup>+</sup>15, DKJG19, FPS12, JJ12, KG19,  
 KH12, PGP<sup>+</sup>12, QGB<sup>+</sup>17, RBA<sup>+</sup>18, SFC17, TFMS15, TCS<sup>+</sup>10, VLGV<sup>+</sup>18,  
 ZXMR18, ZLS17, AKDMN15, ACPT15, ADDB18, CGL<sup>+</sup>14, CAK13, CJ17,  
 DKKV15, FPS11, GM13, GRZ<sup>+</sup>18, HSY10, KHT<sup>+</sup>14, KCFP18, LGRV19,  
 LLB<sup>+</sup>18, MVP17, NKK16, ND12, RBOH<sup>+</sup>18, RSK19, Ter16, TCHC12,  
 WCEA10, YQTV12, SLG<sup>+</sup>18]. **scalar** [SKH15, Sol13]. **scalar/vector** [Sol13].  
**Scale** [MYM10, AFG<sup>+</sup>19, ACCP12, BM16, BDL<sup>+</sup>19, BCC<sup>+</sup>18, CC16,  
 CLOL17, DB11, DBCF13, DLW<sup>+</sup>12, ECWV19, IEWK17, KSSL16, KBC<sup>+</sup>10,  
 LGZ<sup>+</sup>10, LZY11, Luc18, LWCG14, MBMC19, MRJ<sup>+</sup>19, NAB<sup>+</sup>11, PB19,  
 SFT<sup>+</sup>13, WCWO17, WBRT13, YZW<sup>+</sup>15, ZVL11]. **Scale-free** [MYM10].  
**scaled** [KNHH18]. **scaler** [VD18]. **scales** [PLK<sup>+</sup>18]. **Scaling**  
 [CVK<sup>+</sup>18a, YFS<sup>+</sup>15, FZ14, MBR19, VD18, YÖ11]. **scan** [PD19]. **scatter**  
 [dSAJ15]. **scatter-based** [dSAJ15]. **scattering** [LPLFMC<sup>+</sup>12]. **SCC**  
 [LTG14]. **SCDN** [SLW10]. **scenario** [DBW<sup>+</sup>18]. **scene** [OGRV<sup>+</sup>12].  
**scheduler** [ASSS19, HHA14, KAA<sup>+</sup>19a, LS10, SCG10, ZLWZ18, MSK<sup>+</sup>16].

**schedules** [CDR12, ZXYO11]. **Scheduling**

[ATKT19, BD11, BSH15, GG19, JZF<sup>+15</sup>, MD13, PR12, RAN<sup>+17</sup>, ALM<sup>+16</sup>, AAD10, ALLM11, AH12, AM12b, Ben19, BHLT14, BKMT14, CG11, CG12, CHLL18, CRJ10a, CRJ10b, CMR10, CDR12, DBA<sup>+18</sup>, DK11, DP16, DXS<sup>+19</sup>, DRR13, EHL<sup>+15</sup>, FPF14, FCJG<sup>+18</sup>, GYAB11, GVBB13, GK15, GMVRGS16, GFPC14, HSH10, HV13, JLY12, JHF<sup>+17</sup>, JBS14, JTC<sup>+18</sup>, KHN17, KVA18, KYS13, KKK11a, KM17, KV10, Kim17, KNHH18, KK10, KSSK16, KBC<sup>+10</sup>, LDZ<sup>+14</sup>, LDZ<sup>+17</sup>, LWZZ12, LQM<sup>+12</sup>, LW16a, Li16, LNAL17, LBT19, Li19a, LML<sup>+10</sup>, LSC<sup>+15</sup>, LYW<sup>+16</sup>, LFEP19, MGS12, MLDG12, MSV19, MCAS12, MMK<sup>+11</sup>, MAHKZ12, NSAS10, NHO<sup>+13</sup>, ND12, OA10, OPR18, PW17, PDB13, RBA<sup>+18</sup>, SSFP11, SPC<sup>+17</sup>, SJB12, SMO14, SP13, SS18, STK11, SZL10, SR16, SHC14, TLLL10, TLLV10, TLQS12, TDBL13, TXLL14, TDP15, UM17, UFF19, VMVB10, VS16, WL10, WBRT13, gWW18, XLL15].

**scheduling** [XLHT13, YWG15, ZVL15, ZTFK16, ZY12, ZS13, ZQMM11, ZHLQ12, ZLMC14, dOCS14, FZWL12]. **schema** [TMK<sup>+17</sup>]. **scheme**

[AK18, BBS13, CXQ<sup>+18</sup>, CFL<sup>+19</sup>, DBW<sup>+18</sup>, ESGQ<sup>+11</sup>, GPJA10, KHK18, Kol19, LAK10, LHX<sup>+16</sup>, LMJC11, LWH<sup>+19</sup>, LWK<sup>+19</sup>, LSZZ15, LLDL15, SNCP12, TC13, TCHC12, WW12, WXMZ19, WZY<sup>+19</sup>, XLHT13, YGZ<sup>+10</sup>, YJL16, YAA10, YC12, ZCMY12, ZSCX18, ZWWX16, ZBR11]. **schemes** [CKML12, HDCM11, JWSG14, SHSH17]. **science** [APV18, BKK<sup>+11</sup>].

**scientific** [BCD<sup>+15</sup>, CXY14, EFG<sup>+14</sup>, NV19, PB19, RMGM19, WHW<sup>+17</sup>, YYLC11, ZKZF18]. **Scripting** [WXZ<sup>+18</sup>, LMY<sup>+11</sup>]. **sculpture** [LMB<sup>+17</sup>].

**SDFGs** [BLMB13]. **SDN** [AK18, HTB19]. **SDN-based** [AK18].

**SDN-enabled** [HTB19]. **sea** [ZWW17]. **seamless** [ORWT<sup>+18</sup>]. **Search**

[BSH15, Cza13, AFG<sup>+19</sup>, AMM<sup>+18</sup>, Can18, CTT16, CSW<sup>+17</sup>, ES12, GHY10, HN19, LSS<sup>+11a</sup>, LSS<sup>+11b</sup>, MB13, PSC<sup>+16</sup>, PPSV15, RM10, RM11, ROB<sup>+18</sup>, Sch13, SJG19, Tam18, WWA<sup>+18</sup>, YZC<sup>+19</sup>, ZCS<sup>+18</sup>, CB11]. **searchable** [WCCH18]. **Searching** [SGAC14, KIH15, LTWW12]. **secondary** [BLZ<sup>+18</sup>].

**secret** [LWH<sup>+19</sup>, YTH<sup>+19</sup>]. **Section** [HAC<sup>+19</sup>]. **Secure**

[CPA<sup>+11</sup>, EAB<sup>+19</sup>, PRN<sup>+19</sup>, ZHT16, ZBR11, BK18, GTGLSA12, JZZ<sup>+17</sup>, KTP17, LAK10, LZWZ19, LWK<sup>+19</sup>, LLW12, REK10a, REK10b, SSX14, Siel16, WXMZ19, WCCH18, ZSCX18]. **Security**

[FCJG<sup>+18</sup>, NL19, DZC17, DKJG19, GSASA19, NZY<sup>+11</sup>, OM10, TODQ18, TKG<sup>+17</sup>, WLK<sup>+19</sup>, XCC<sup>+19</sup>, ZVL15, ZAAB17, ZZJ<sup>+18</sup>]. **Security-aware**

[NL19, ZVL15]. **security-sensitive** [ZZJ<sup>+18</sup>]. **SeeMore** [LMB<sup>+17</sup>].

**Segment** [MYYY17]. **segmentation** [KYS13, RK18]. **segments**

[Lop18, SWLZ17]. **seismic** [KSSL16]. **Selected** [Ben15, BÇ19]. **Selecting**

[NGQM12]. **selection** [CKML12, DMI<sup>+19</sup>, GM14b, JXZ<sup>+19</sup>, KHN17, LZY<sup>+18</sup>, LCJ<sup>+18</sup>, LGK<sup>+12</sup>, MHLZ16, RTZ11, WLST16, CTC11]. **selective**

[LHCC19, SSGG18]. **selectivity** [CTT16, GÖÖ16]. **selectivity-driven**

[CTT16]. **Self** [BPBR11, CDD<sup>+15</sup>, DPBNT12, FZ14, JM14, LLLC15, Lla17, ASKTZ13, BBS13, BBD18, CDDL10, CAK13, DLV11, DJ16, GK19, GK10, IZ12, KO11, LBMG15, LHX<sup>+16</sup>, LSH<sup>+13</sup>, dAMFdS13, MYM10, NPVG<sup>+19</sup>, PPTV<sup>+10</sup>, TWQS12, Tur12, WRW13, ZBW<sup>+17</sup>]. **self-adapting** [WRW13].

**self-adaptive** [LHX<sup>+</sup>16, PPTV<sup>+</sup>10]. **self-correction** [LSH<sup>+</sup>13].  
**self-deployment** [TWQS12]. **self-join** [GK19]. **self-manageable**  
 [dAMFdS13]. **self-organizing** [KO11, MYM10]. **Self-reconfigurable**  
 [Lla17]. **self-reconfiguration** [LBMG15, NPVG<sup>+</sup>19, ZBW<sup>+</sup>17]. **Self-scaling**  
 [FZ14]. **self-similarity** [ASKTZ13]. **Self-stabilizing**  
 [BPBR11, CDD<sup>+</sup>15, DPBNT12, JM14, BBS13, BBD18, CDDL10, CAK13,  
 DLV11, DJ16, GK10, Tur12]. **Semantic**  
 [SLG<sup>+</sup>18, EHL<sup>+</sup>15, KLJ<sup>+</sup>11, LKB<sup>+</sup>15, MLZY17, MYYY17, MA11, NSAS10].  
**semantics** [MTL<sup>+</sup>18b]. **semi** [CTT16]. **semi-structured** [CTT16]. **sense**  
 [BC11, ZKZF18]. **sensing** [CCC<sup>+</sup>19, GDCC18, ZRN<sup>+</sup>14]. **sensitive** [ASSS19,  
 Hu11, JL11, NLB<sup>+</sup>18, OWK14, RCG<sup>+</sup>11, SRT<sup>+</sup>18, WCXL11, ZZJ<sup>+</sup>18].  
**Sensor** [LDZ<sup>+</sup>14, LDP<sup>+</sup>14, THGY15, Amm16, AHG12, Ana14, AMT13,  
 AYB<sup>+</sup>15, BWP<sup>+</sup>11, BOY10, BEN12, BJL18, CCW14, CRWX12, DLLL11,  
 DGBN14, DJH11, DKM10, EMC19, EM11, ECP<sup>+</sup>18, GHY10, GYP13,  
 GZY14b, GM14a, HZA<sup>+</sup>15, HS12, HZDP12, HJLR12, JF12, JLY12, JBS14,  
 JHPL13, KSSL16, KO11, KO12, KKKP12, KKTZ13, KGN11, LDZ<sup>+</sup>17, LY10,  
 LL12a, LL12b, Li14, LLB<sup>+</sup>18, LÜ14, LZC11, LDS16, LWW18, MAGL13,  
 MYM10, MBMC19, NSA11, PLY15, PCX<sup>+</sup>11, PCX<sup>+</sup>14, RM10, RM11,  
 REK10a, REK10b, RLP14, RB12, SCN12, SZMK13, SCLL10, SJS11, TLY12,  
 TAM<sup>+</sup>19, TCS<sup>+</sup>10, TWQS12, Udd19, VRM10, WL11, WL10, WWA<sup>+</sup>18,  
 XHZ<sup>+</sup>10, YpGyLiC13, YDZ<sup>+</sup>18, ZW11, ZSCX18, ZTGL17, dOBG<sup>+</sup>15].  
**sensor-actuator** [KKKP12, SCN12]. **sensor-based** [Udd19]. **sensor-cloud**  
 [LLB<sup>+</sup>18]. **sensors** [AKBD10, AD10, CJDC10, DWX10, REZN17]. **sensory**  
 [HRM17]. **sentiment** [XLW<sup>+</sup>18]. **separable** [MRT18]. **separating** [HSS10].  
**sequence** [BCF14, BFKW13, DKKV15, SPRG<sup>+</sup>12, SMB10, SRT<sup>+</sup>18].  
**sequences** [BNBR16]. **Sequential** [LWC<sup>+</sup>18, SBÇ12b, SLKK13, ZXB14].  
**serializing** [HHS12]. **series** [LLB<sup>+</sup>18]. **server**  
 [JTZZ11, WZX<sup>+</sup>19, WSLC11, WLZ<sup>+</sup>18, ZVL11, ZCS<sup>+</sup>18]. **server-side**  
 [ZVL11]. **servers** [AAA<sup>+</sup>10, DLW<sup>+</sup>12, LY12, LYW<sup>+</sup>16, MZZC12]. **Service**  
 [BK18, NCRK19, ABF<sup>+</sup>14, BYT19, CCA18, CLW<sup>+</sup>19, FZ14, JM14, KKKP12,  
 LNA12, LZN19, LB18, MHLZ16, MXSL12, MCZ14, PTN<sup>+</sup>19, RA11, SB12,  
 SMB10, SSVC10, TR16, TKR<sup>+</sup>19, WMY<sup>+</sup>17, WTY<sup>+</sup>18, WWY<sup>+</sup>18,  
 WZH<sup>+</sup>19, YHWY18a, YHWY18b]. **service-based** [YHWY18a, YHWY18b].  
**service-oriented** [WWY<sup>+</sup>18]. **services** [AFG<sup>+</sup>19, HBSASA19, KSSK16,  
 LWZZ12, LMXJ18, LZN19, MCP<sup>+</sup>18, SCW<sup>+</sup>18, Suk18, YAK15]. **session**  
 [LAK10, MZZC12]. **sessions** [FSP18]. **Set** [HCR12, AFD<sup>+</sup>11, AP16,  
 BYG<sup>+</sup>18, HES10, HDCM11, JPD17, MHLZ16, MPR19, YSS11]. **Sets**  
 [XMMD17, FSV14, FSV17, KCR14, SW18, SHC14, YWW12, dOCS14].  
**setting** [Li19b, WLK<sup>+</sup>19]. **several** [MCAS12]. **shader** [PYP<sup>+</sup>10]. **SHadoop**  
 [GYY<sup>+</sup>14]. **shallow** [dIAMCFN12]. **shape** [KSJC17, NCA<sup>+</sup>12]. **share**  
 [KNHH18]. **Shared**  
 [JHF<sup>+</sup>17, AAC10, CCA18, CDAN14, DMI<sup>+</sup>19, EKNS17, IRRS16, KKR14,  
 KLP10, KMS10, LZI<sup>+</sup>11, MSV19, SB15, SAJ13, SS17, TGPUC16, ZLWL12].  
**shared-coin** [AAC10]. **shared-memory** [KKR14, KMS10, MSV19]. **sharing**

[AS19b, CTC11, KK11, KKS<sup>+</sup>12, LWH<sup>+</sup>19, LS10, SSX14, WXMZ19, YTH<sup>+</sup>19, YAK15]. **Shield** [SSX14]. **shielded** [CWCW18]. **shift** [BDL<sup>+</sup>19]. **ships** [SQQL19]. **shop** [DBA<sup>+</sup>18, LFEP19]. **short** [LHWJ19, MBS<sup>+</sup>12, PARB14]. **short-range** [LHWJ19, PARB14]. **short-term** [MBS<sup>+</sup>12]. **Shortest** [DCA<sup>+</sup>15, DGNW13, GHIJ19, Lai15, Lai17]. **shortest-path** [GHIJ19]. **Shot** [TRS<sup>+</sup>12]. **shrink** [REZN17]. **Shuffled** [KM17]. **shuffling** [BBB11]. **side** [ZVL11, WHW<sup>+</sup>17]. **SideIO** [WHW<sup>+</sup>17]. **SIFT** [LJZ<sup>+</sup>19]. **sign** [PH16, RK18]. **signal** [BAT<sup>+</sup>19, CLXX19]. **signature** [WML<sup>+</sup>18]. **signature-based** [WML<sup>+</sup>18]. **Silent** [DJ16, BCC<sup>+</sup>18]. **Silicon** [SDS<sup>+</sup>18, HRG<sup>+</sup>11]. **SIMD** [Ren11]. **SIMD/SPMD** [Ren11]. **similarities** [CL14]. **similarity** [ASKTZ13, AFG<sup>+</sup>19, BHK17, GK19, KSSG14, UGG<sup>+</sup>11, XCC<sup>+</sup>19]. **Simple** [Ara13, SE15, Nes10, YAA10]. **simplex** [ASC<sup>+</sup>18]. **Simplified** [AS19b]. **simulated** [dADC18]. **Simulating** [NFHL13, AAK<sup>+</sup>13, GN15, LE19, RBOH<sup>+</sup>18]. **Simulation** [CZPP16, MRJ<sup>+</sup>19, STS19, AZW13, AZC13, BBH<sup>+</sup>17, CGL<sup>+</sup>14, DAG<sup>+</sup>17, FTM<sup>+</sup>19, FCG<sup>+</sup>14, NSKN17, NPE<sup>+</sup>19, PARB14, PLD14, PQ19, PTK<sup>+</sup>13, Rao16]. **simulations** [AM12a, CCAAS19, DB11, FC14, LHWJ19, VBDR13]. **simulator** [CZPP16, dOCS14]. **simultaneous** [LY10, WIR<sup>+</sup>18]. **Single** [HLBM16, KNHH18, Li19a, LPLFCM<sup>+</sup>12, RFS<sup>+</sup>12, SSFP11, SPC<sup>+</sup>17, ZCS<sup>+</sup>18, PR13]. **Single-Chip** [PR13]. **single-hop** [RFS<sup>+</sup>12]. **single-ISA** [KNHH18, SSFP11, SPC<sup>+</sup>17]. **Sink** [THGY15, LLDL15]. **sink-location** [LLDL15]. **sinks** [RB12]. **SIoT** [SA19]. **SIR** [ZXGD18]. **SIR-based** [ZXGD18]. **Site** [WXZ<sup>+</sup>18, Hua17]. **situation** [HRH18]. **size** [AST12, ASC<sup>+</sup>18, EB13, JM14, LCJ<sup>+</sup>18]. **size-independent** [EB13]. **sizes** [SMT15]. **skeletons** [MPS16]. **Skinny** [BDG<sup>+</sup>15]. **skyline** [SCLL10]. **SLA** [RT18, SMW18]. **Slack** [KR10b, KR10a]. **Slackmin** [PDP17]. **Sleep** [YZX11]. **Sleep-aware** [YZX11]. **sleeping** [GDCC18]. **slices** [DSEP17]. **SLID** [TFV19]. **sliding** [MTL<sup>+</sup>18b]. **sliding-window** [MTL<sup>+</sup>18b]. **slimmed** [YMLP14]. **slot** [PLY15]. **slots** [ABBD14]. **Slow** [HZA<sup>+</sup>15]. **slowdown** [MZZC12]. **slower** [STKW12]. **small** [CTKA17, GA18, HBS17, JM15, MAGL13, Pet19]. **small-large** [CTKA17]. **smallest** [ASC<sup>+</sup>18]. **Smart** [ESGQ<sup>+</sup>11, NCRK19, AKK<sup>+</sup>19, AMSÅ19, AKSZ19, CF19, DFLO17, HRM17, HRH18, KDSS18, LLWC17, LWK<sup>+</sup>19, LZN19, MCP<sup>+</sup>18, NPS<sup>+</sup>19, NML<sup>+</sup>19, SLZ<sup>+</sup>19, Udd19, URK<sup>+</sup>19, XCC<sup>+</sup>19, YZS15, ZLJ<sup>+</sup>19, ZCW19]. **smartphone** [CWZ<sup>+</sup>18]. **smartphones** [LM16]. **SMCA** [HBSASA19]. **smooth** [ZBR11]. **smoothed** [CL14, VBDR13]. **smoothers** [WH17]. **Snap** [BDP16, DDNT10, ADD17, FGcF17]. **Snap-stabilization** [DDNT10]. **Snap-stabilizing** [BDP16, ADD17]. **snapshot** [AEF11, IR12]. **snapshots** [AST12, KS13, WBS19]. **SOAP** [ASKTZ13, HBSASA19]. **SoC** [BLMB13, RBG17, ZAAB17]. **social** [CMMN10, CLXX19, MPS16, RGAN18, SHK19, WXMZ19, WLYS19, WBRT13, WHW<sup>+</sup>19, YZC<sup>+</sup>19]. **Socially**



[LGM18]. **Socially-conforming** [LGM18]. **societies** [SA19]. **SoCs** [LZI+11]. **soft** [BGBC+16, NPVG+19]. **soft-core** [NPVG+19]. **Software** [GKK+13, CV16, DP16, GS18, Kol19, LKD14, MCS+19, NHO+13, RMGM19, RDCQ17, ZMZJ17, ZLT+19]. **software-based** [NHO+13]. **solid** [GFPC14]. **solid-state** [GFPC14]. **solution** [DP16, GA18, HC11, KKR14, LWW19, LFGM17, YS11, ZAAB17]. **Solutions** [BCMV15, OT19, TKG+17]. **Solver** [FKB17, ADV14, CVK+18a, CP10b, Dav17, LPLFMC+12, PP13, PPTV+10, Pet19]. **solvers** [FHL+15, SHA17]. **Solving** [BSH15, JGMY17, Men18, PDB13, BW18, CMMT13, CASD18, GRS19, Kub17, LFEP19, MRT18, Ter16, WLL16, WRW13, dCPD19]. **Some** [RTZ11, MS15, ZHW19]. **Sophia** [GTGLSA12]. **sophomore** [GAC+17]. **sort** [BM14]. **sorting** [KR11, TW15]. **sound** [CKK+13]. **source** [BJL18, LCCL10, MH18, NCB+17, ZSW14]. **source-to-source** [MH18]. **sources** [AK18]. **Space** [PPSV15, SDS+18, AD12, Ara13, BW18, CKK+13, LLKY13, NV19, ST12, SZB16, YQTV12]. **Space-efficient** [PPSV15, Ara13]. **spaces** [LdPLC+19]. **spanning** [BPBR11, BBD18, CFJW13, CFL+19, GHY10, HAC17, KG10, MKW18, RDA18, Ten16, WFZJ12, WIB12]. **spark** [ZKZF18]. **Sparse** [PR13, ASA18, ASES15, BGO19, CP10b, CASD18, GMMP12, LHW14, LV15, MLW+19, MBW16, PB15, SLV19]. **spatial** [CRWX12, JF12, TR16, TYD+19, WCF14]. **spatial-temporal** [CRWX12]. **spatially** [Rao16, SBÇ12a]. **spatially-explicit** [Rao16]. **Special** [AS13, BÇ19, BS11, CDJL11, CGFH19, DF12, DDE19, DB18, FTM+14, FPS11, FPS12, GMSS+11, HAC+19, KRS13, KRS14, LZ11, Las12, LK10, MSGS+13, MNK12, QGB+17, RLA+16, RLA+17, SLL18, STS19, SFC17, TH11, TFV+15, TFV19, XMMD17, Cuz11, Gra10a, LK11, MKN14, PRS14]. **Specific** [KRS13, KRS14, MRS+14, RMGM19]. **specification** [BFL+13]. **specify** [LS19]. **spectral** [CVK+18a, GSASA19]. **spectrum** [FCZ+12, GDCC18]. **Speculation** [AC16, FKKR16]. **speculative** [PQ19]. **speed** [CDD+19, Li16, Li19b]. **Speeding** [CCAAS19]. **speeds** [LFS16]. **spin** [FPM+14]. **spin-transistor** [FPM+14]. **Spintronic** [NKV14]. **Spline** [BNBR16]. **Spline-based** [BNBR16]. **splitting** [SJG19]. **SPMD** [LZZ+11, Ren11]. **SPMD-style** [LZZ+11]. **SpMV** [YLL17, ZGG+14]. **spoofing** [GSASA19]. **Sporadic** [DKK18, MAPF14, dOCS14]. **spot** [EMC19, MB19]. **Spread** [REZN17, SIY14]. **Spreading** [MBMC19, LpJS+18, ZXGD18]. **SR** [DYL+12, GRJ+15]. **SR-IOV** [DYL+12]. **SRAM** [WCF14]. **SS** [CLOL17]. **SSD** [WBS19]. **st** [BCMV15]. **st-connectivity** [BCMV15]. **stability** [LXW+11, WCF14]. **stabilization** [ADDP19, DDNT10]. **Stabilizing** [DGDF10, AFNT17, ADD17, BBS13, BPBR11, BBD18, BDP16, CDDL10, CDD+15, CAK13, DLV11, DJ16, DPBNT12, GK10, JM14, Kar19, Tur12]. **stable** [SKK14, SLW10]. **stack** [HSY10]. **stackable** [SSX14]. **stacked** [TLL+18]. **Stackelberg** [JTC+18]. **stacks** [ACH18]. **stage** [CC14]. **staged** [AS19a]. **Star** [SRT+18]. **starvation** [LASS15]. **starvation-free** [LASS15]. **stash** [YPCW16]. **State** [FKB17, LSH+13, PSC+16, ASKO16, ASB18, AD12,

GÖÖ16, GFPC14, PQ19, WHW<sup>+</sup>19]. **State-based** [LSH<sup>+</sup>13].  
**State-of-the-art** [PSC<sup>+</sup>16]. **Static**  
 [KKK<sup>+</sup>11b, YMLP14, BSS<sup>+</sup>13, PC11, ZXYO11]. **statistical** [CDPS18].  
**Statistically** [SLZ<sup>+</sup>19]. **statuses** [MB19]. **stealing** [DKKV15]. **Steiner**  
 [LY10, Sta17]. **step** [Bog17, KKR14]. **STLA** [NKV14]. **STM**  
 [HHS12, PGRP17]. **Stochastic**  
 [SSM<sup>+</sup>16, ZS13, BM11, CRHC19, MBO11, WW18b, WMG13].  
**Stochastic-based** [SSM<sup>+</sup>16]. **stop** [BCC<sup>+</sup>18, LLT12]. **stopping** [AMT13].  
**storage**  
 [FLCB10, HZHS18, HGX<sup>+</sup>19, JWH<sup>+</sup>17, KBK<sup>+</sup>19, KR12, LJQ<sup>+</sup>19, Luc18,  
 MB19, MAPF14, MPG17a, SSX14, SWW<sup>+</sup>17, SFHS19, WCWO17, WWW17b,  
 XSYG18, YYLC11, ZWY<sup>+</sup>15, ZFT<sup>+</sup>18, ZLZ<sup>+</sup>19, ZGG<sup>+</sup>14, ZWWX16].  
**Stores** [SLHS19, JXZ<sup>+</sup>19, ZWQ<sup>+</sup>16]. **Storm** [KKH17]. **Strategic** [RA11].  
**strategies**  
 [BHS13, CGM14, GM14b, HV13, ROB<sup>+</sup>18, SSGZ13, Wu11, dCPD19].  
**Strategy** [MD13, ASES15, CTT16, DLW<sup>+</sup>12, EM11, GOH<sup>+</sup>13, GMVRGS16,  
 JF12, KVA18, KS18, PLSM18, SRT<sup>+</sup>18, TLLV10, TW15, WYW15, WSX<sup>+</sup>19,  
 ZVL11, ZV14, ZVL15, ZLCZ18]. **Stream** [WQZ<sup>+</sup>13, AAK<sup>+</sup>13, AM11,  
 DFLO17, GÖÖ16, KKH17, MTL<sup>+</sup>18b, RCG18, RAN<sup>+</sup>17, SS18, ZHH15].  
**Streaming**  
 [PS14, BOKS19, CGKY12, GRR13, GHC<sup>+</sup>17, JHL<sup>+</sup>18, LCCL10, WCXL11].  
**streams** [AGWY11, BMLLC<sup>+</sup>19, ST14, VLGV<sup>+</sup>18]. **StreamTMC**  
 [WQZ<sup>+</sup>13]. **stretch** [SBÇ12b]. **stride** [AM13]. **string** [CKK<sup>+</sup>13]. **structural**  
 [RBOH<sup>+</sup>18]. **structure**  
 [AFK14, GB11, JdSJC<sup>+</sup>15, LLFJ18, NZA13, Tam18, XLHT13, YL12, ZLZ<sup>+</sup>19].  
**structure-based** [XLHT13]. **structured**  
 [CGKY12, CTT16, DAB<sup>+</sup>14, MRJ<sup>+</sup>19, SRI14]. **structured-mesh** [MRJ<sup>+</sup>19].  
**structures** [AEY12, Zsa16]. **students** [Ada17, APV18, AJG18]. **studies**  
 [CCE<sup>+</sup>17]. **study** [BJ18, CHLL18, FRM15, HdR13, LWC<sup>+</sup>18, LGZ<sup>+</sup>10,  
 LGRV19, MCAS12, MFT<sup>+</sup>19, NXTK17, PCMM<sup>+</sup>17, PP13, PTK<sup>+</sup>13,  
 RÖE<sup>+</sup>18, SJVRVVS19, TdAR18, WLCZ15, WMG13, ZKZF18, ZLJ<sup>+</sup>19].  
**style** [LZZ<sup>+</sup>11]. **subcellular** [WDS<sup>+</sup>18]. **subgraph** [Pla13]. **subgraphs**  
 [BCH15]. **subproblem** [SMT15]. **subscribe** [MS19, ZW13, dAAD<sup>+</sup>19].  
**subscriptions** [ST12]. **subset** [AVAH18, WLL16]. **subset-sum** [WLL16].  
**subunit** [RK18]. **Sufficient** [Ste17]. **suite** [GN15]. **sum** [AVAH18, WLL16].  
**summarisation** [LJQ<sup>+</sup>19]. **summarization** [NML<sup>+</sup>19, SGVRP19]. **super**  
 [PW17, SE15]. **super-matrix** [SE15]. **super-pipeline** [PW17].  
**supercomputer** [SWHB17]. **supercomputers** [GRS19, TDBL13].  
**supercomputing** [KRS15]. **superposition** [dSAJ15]. **superscalar** [LC13].  
**supplier** [SK11]. **Support** [YFS<sup>+</sup>15, DRR13, GB11, HPB<sup>+</sup>10, Hus17, Kim11,  
 NSDZ18, PB19, PQ19, RS19, SDS10, SRI14, TGPUC16, ZBR11, LST<sup>+</sup>13].  
**supported** [NPS<sup>+</sup>19, YPCW16]. **supporting** [LSZZ15, LHCC19, ZTGL17].  
**supportive** [FCJG<sup>+</sup>18]. **suppression** [DZC17]. **surface** [VBDR13].  
**surveillance** [NML<sup>+</sup>19, PLSM18, SMP17]. **survey** [CPJ<sup>+</sup>19, CGC16,

DAB<sup>+14</sup>, FEH<sup>+14</sup>, FMIF18, GM14b, GK10, HLBM16, HBC15, JHL<sup>+18</sup>, KWZ19, SCN12, SRI14, SHA17, TH19, TKG<sup>+17</sup>, Upa13, WLK<sup>+19</sup>, ZAB18]. **susceptibility** [DFST13]. **sustainability** [AK18]. **sustainable** [LS10]. **sustained** [RMHR17]. **SW** [RBG17]. **Swarm** [LdPLC<sup>+19</sup>, ZGJ<sup>+18</sup>, dCPD19]. **sweep** [GM14a, CMR10]. **Switch** [CRD12]. **Switch-based** [CRD12]. **switched** [LWCG14]. **switches** [VAS<sup>+13</sup>]. **switching** [BKCM17, CC14, KG10, LCCL10, LWLD12, STKW12, ZPK<sup>+14</sup>]. **Sybil** [YXX13]. **Symbol** [OWK14]. **Symbol-level** [OWK14]. **symbolic** [WD18]. **Symmetric** [GGY19, ABGV11, ADV14]. **Symposium** [OY13]. **Synchronization** [CTC<sup>+10</sup>, FFYH19, HLS12, HZDP12, Tau16]. **Synchronized** [LNA12, XLL15]. **synchronous** [ARP18, ABBD14, DGDF10, KVVN17, MCS14, MEMEMH17, TBG<sup>+17</sup>]. **synchrony** [CB15]. **synthesis** [BYG<sup>+18</sup>, CKK<sup>+13</sup>, TdAR18, WD18]. **synthesize** [DSEP17]. **synthesized** [MC17]. **synthetic** [AAK<sup>+13</sup>]. **System** [FKB17, HWLR14, SLHS19, ZLH<sup>+18</sup>, ASSS19, BGA12, BSS<sup>+13</sup>, BYH<sup>+17</sup>, BJ18, CLMRL15, DXS<sup>+19</sup>, DTK11a, DLW<sup>+12</sup>, DMS<sup>+16</sup>, FFYH19, GTGLSA12, GSASA19, HLBM16, HWL18, HMY<sup>+18</sup>, HGX<sup>+19</sup>, HHA14, Hus17, KHN17, KAA<sup>+19a</sup>, KSB11, KS13, LMSK18, LLWC17, LAS<sup>+19</sup>, LY13, LHZ<sup>+18</sup>, LAC18, No12, PKN10, PLD14, RV13, RBA<sup>+18</sup>, RAN<sup>+17</sup>, SPRG<sup>+12</sup>, SSM<sup>+16</sup>, SFT<sup>+13</sup>, SSX14, SLG<sup>+18</sup>, SV18, TKR<sup>+19</sup>, Udd19, WHW<sup>+17</sup>, WZQ<sup>+13</sup>, WYTX13, gWW18, YCH<sup>+10</sup>, YXW<sup>+18</sup>, ZHH15, ZFT<sup>+18</sup>, ZKZF18, ZGW<sup>+19</sup>, ZW13, dAAD<sup>+19</sup>, AGWY11, Sie16, Ski16]. **system-on-chip** [DMS<sup>+16</sup>, LY13]. **systematic** [ZTGL17]. **systemic** [LZN19]. **Systems** [AS13, AS15, DDO<sup>+18</sup>, QGB<sup>+17</sup>, SFC17, ALM<sup>+16</sup>, AA16, AAK<sup>+13</sup>, AD12, ACCP12, AAI<sup>+15</sup>, ABBD14, BBCQ13, BDGR13, BOKS19, BKMT14, CNLGRL18, CKWT17, CTC11, CRJ10b, CASD18, CJA<sup>+19</sup>, CP17, CAF<sup>+11</sup>, COF<sup>+17</sup>, CSW<sup>+17</sup>, CCC<sup>+19</sup>, DZC17, DB11, DR19, DDNT10, DGDF10, DWYB10, DBLB<sup>+12</sup>, FWM<sup>+10</sup>, FPS11, FLCB10, FX10, GMMP12, GZG<sup>+17</sup>, GMVRGS16, GRR13, HBC15, HLL<sup>+19</sup>, HHK15, IRRS16, JKIE13, JST12, JL11, JZZ<sup>+17</sup>, JWH<sup>+17</sup>, Kak15, KKR14, KHW13, KVA18, KVVN17, KyLPC17, KSG13, KMS10, Kub17, LLLC15, LWC<sup>+18</sup>, LFS16, LGZ<sup>+10</sup>, LZ11, LAK10, LASS15, LQM<sup>+12</sup>, LNAL17, LLCZ19, LAS<sup>+19</sup>, LPLFMC<sup>+12</sup>, Lop13, Lop18, LS19, Luc18, LXZ13, LLW12, LHCC19, MGS12, MLMSMG12, MB13, MCS<sup>+19</sup>, MP10, MMK<sup>+11</sup>, MAHKZ12, MAKWZ13, MLK12, MSK<sup>+16</sup>, MGRRK14, MRT18, NL19, NLB<sup>+18</sup>, NFHL13, ND12, NZY<sup>+11</sup>, OPR18, PLSM18, PB19, PTN<sup>+19</sup>, PC11]. **systems** [PSB<sup>+19</sup>, PH16, PMdO11, QGZP17, RLA<sup>+16</sup>, RLA<sup>+17</sup>, RPS19, RÖE<sup>+18</sup>, SSFP11, SW12, SLV19, SPH13, SFT<sup>+13</sup>, SCMS12, SHL<sup>+13</sup>, SS18, Sie16, SLKK13, SI13, SFHS19, TLLL10, TLLV10, TLQS12, TFMS15, Ter16, TCHC12, VMMB10, VS16, WCWO17, WLST16, WZZ<sup>+17</sup>, WWW17b, WWY<sup>+18</sup>, Wu11, WSLC11, XLL15, XLHT13, XLPL19, YLL17, YHWY18a, YHWY18b, YQTV12, YZW<sup>+15</sup>, YYLC11, YZX11, ZAB18, ZGJ<sup>+18</sup>, ZLKK19, ZAAB17, ZZJ<sup>+18</sup>, ZWY<sup>+15</sup>, ZTFK16, ZLJ<sup>+19</sup>, ZCW19, ZQMM11, ZBW<sup>+17</sup>, dIAMCFN12, FPS12, ORWT<sup>+18</sup>, TFV19]. **Systems-on-Chip**

[ORWT<sup>+</sup>18]. **systolic** [PYP<sup>+</sup>10].

**T** [CRJ10a, PTK<sup>+</sup>13]. **T-L** [CRJ10a]. **Table** [HZL18, LACJ18]. **Tables** [TT10]. **Tabu** [BSH15, Cza13, CB11]. **TACD** [HGX<sup>+</sup>19]. **Tackling** [SMT15]. **Tag** [VRGS17]. **tail** [ASSS19, SLZ<sup>+</sup>19]. **tailing** [YDZ<sup>+</sup>18]. **taint** [WXZ<sup>+</sup>18]. **Talent** [JL11]. **Tall** [BDG<sup>+</sup>15]. **Tall-Skinny** [BDG<sup>+</sup>15]. **target** [CJDC10, KO11, NDP13]. **targeted** [BKK<sup>+</sup>11]. **targets** [CRWX12]. **Task** [FZWL12, JTZZ11, SMO14, UFF19, AAK<sup>+</sup>13, AJG18, CDS10, DK11, DDG<sup>+</sup>17, GQZ18, JL11, JTC<sup>+</sup>18, KHW13, Kim17, Li16, Li19b, LSC<sup>+</sup>15, LZLX11, MTL<sup>+</sup>18a, OA10, PKN10, PA15, SP13, STK11, SZB16, TDP15, VS16, YWG15, ZTFK16, ZHG<sup>+</sup>19, dOCS14]. **task-based** [AJG18]. **task-parallel** [ZHG<sup>+</sup>19]. **task-scheduling** [Kim17]. **tasks** [AS19a, BFMT<sup>+</sup>18, BHLT14, CCK11, DRR13, GK15, HMR15, HWLR14, LMLGLGLG17, LQM<sup>+</sup>12, Li19a, PDB13, SSM<sup>+</sup>16, SBÇ12b, SNCP12, XLL15, ZHLQ12, dSS11]. **Taxonomy** [FEH<sup>+</sup>14, HBC15]. **TCP** [BM11, VLL<sup>+</sup>14]. **Teaching** [CTS17, Eij18, LB18, PBB<sup>+</sup>17, PGKV18, Ada17, FKR<sup>+</sup>17, GAC<sup>+</sup>17, HSS17, Kum17]. **teamwork** [NKSA17]. **TEASE** [ZBR11]. **technique** [ASKTZ13, CRD12, HBSASA19, KK11, Nes10, RBB17, WCF14]. **techniques** [ARP18, BBR13, DJDK19, LPK<sup>+</sup>10, MBW16, RM11, RSVW19]. **technologies** [SJV RVVS19]. **Technology** [CGFH19, PBB<sup>+</sup>17, PGKV18]. **TEES** [ZWWX16]. **Temperature** [SWHB17, AS19a, ZWWX16]. **temperature-constrained** [ZWWX16]. **template** [EFG<sup>+</sup>14]. **Temporal** [SHL<sup>+</sup>13, CRWX12, WCF14, XYZW14, YDTZ18, DFLO17]. **tenant** [PVR17, YHWY18a]. **tensor** [IEWK17, LGK<sup>+</sup>12, MLW<sup>+</sup>19, RSK19, SMH<sup>+</sup>14]. **term** [BV13, LKM12, MBS<sup>+</sup>12]. **terminal** [Li17]. **terminals** [HB11]. **Terminating** [MS15]. **ternary** [KRM14]. **test** [ALLM11, LTG14, NCA<sup>+</sup>12, dMS18, ALLM11, KCP19]. **testbed** [HGFF10]. **testing** [KCP19]. **tetrahedral** [CZZ<sup>+</sup>17, LWCC15]. **text** [BV13, LHCC19, PAG<sup>+</sup>18, SGVRP19, SWW<sup>+</sup>17, WD13]. **their** [CRWX12]. **Theorem** [SHSH17]. **theoretic** [KK10, MGRRK14, PC11]. **Theoretical** [LZC11, CKT11]. **Theory** [ZLCJ12]. **Thermal** [NHX<sup>+</sup>19, SHSH17, LFS16, OJP<sup>+</sup>18, SNMB16]. **Thermal-aware** [NHX<sup>+</sup>19, LFS16]. **thermally** [TKKH17]. **theta** [LL18, STMZ18]. **theta-join** [LL18]. **things** [AMU<sup>+</sup>19, TKR<sup>+</sup>19, CCC<sup>+</sup>19, CDPS18, DAPR18, ECP<sup>+</sup>18, HAC<sup>+</sup>19, HMY<sup>+</sup>18, LAS<sup>+</sup>19, LJQ<sup>+</sup>19, MS19, NLB<sup>+</sup>18, RSVW19, WSX<sup>+</sup>19, WHC<sup>+</sup>18, WCCH18, YWJ<sup>+</sup>18, ZLT<sup>+</sup>19]. **thinking** [CCE<sup>+</sup>17]. **Thinning** [KLP10]. **Thread** [KCSS18, LW19, OTKT12, CGM14, CDAN14, DWYB10, LK13, RDCQ17]. **Thread-Data** [LW19]. **thread-parallelism** [RDCQ17]. **threaded** [ASSS19, BBH<sup>+</sup>17, LK15, PYP<sup>+</sup>10]. **threads** [PMdO11]. **threat** [HMY<sup>+</sup>18]. **threats** [CWCW18, MMN<sup>+</sup>18, TKG<sup>+</sup>17]. **three** [ANEA13, LDS16, YJL16]. **three-body** [YJL16]. **three-dimensional** [ANEA13, LDS16]. **Threshold** [BFMT<sup>+</sup>18, NKV14, LWXX19, YTH<sup>+</sup>19]. **Throughput**

[HB11, MMVL11, BLMB13, CLA<sup>+</sup>18, DW12, GRR13, HVW16, HWLR14, HGX<sup>+</sup>19, KSB11, LMSK18, LHX<sup>+</sup>16, LNC13, SA11]. **tickets** [LMJC11]. **tier** [MS19, MZZC12, MCZ14, WQL14]. **tile** [LCJ<sup>+</sup>18, ZLKK19]. **tiled** [JHF<sup>+</sup>17, WQZ<sup>+</sup>13]. **Tilera** [PCMM<sup>+</sup>17]. **Time** [Ana14, CB15, HRG<sup>+</sup>11, PLY15, ACCP12, BVGV14, BDGR13, Bog17, BW18, BKK<sup>+</sup>11, CF19, CCK11, CRJ10a, CRJ10b, DLV11, DKRC<sup>+</sup>15, FC14, GZG<sup>+</sup>17, HV13, HZDP12, JZZ<sup>+</sup>17, JHL<sup>+</sup>18, KKR14, KSSL16, KKW17, LFS16, LR14, LST17, LLY15, Li16, LLB<sup>+</sup>18, LML<sup>+</sup>10, LWW19, MHLZ16, MLDG12, MAKWZ13, NVK<sup>+</sup>11, SS11, SA19, SRB<sup>+</sup>19, SZB16, TPS<sup>+</sup>18, TYD<sup>+</sup>19, XL11, ZZJ<sup>+</sup>18, ZHH15, ZQMM11, ZHLQ12]. **time-aware** [MHLZ16]. **Time-division-multiplexed** [HRG<sup>+</sup>11]. **time-domain** [SS11]. **time-inhomogeneous** [LWW19]. **Time-optimized** [Ana14]. **time-scale** [ACCP12]. **time-space** [BW18]. **time-step-based** [KKR14]. **time-targeted** [BKK<sup>+</sup>11]. **times** [MLW<sup>+</sup>19]. **timetabling** [PTN<sup>+</sup>19]. **timing** [CSJ<sup>+</sup>13, KKK<sup>+</sup>11b]. **Title** [Ano18y, Ano18z, Ano18-27, Ano18-28]. **TLA** [SHL<sup>+</sup>13]. **TM** [FKKR16, FWM<sup>+</sup>10]. **Toeplitz** [GOH<sup>+</sup>13, ABGV11, ADV14, Ter16]. **Toeplitz-based** [GOH<sup>+</sup>13]. **token** [CRD12]. **tokens** [SGAC14]. **tolerance** [BJ15, CLMRL15, LFGM17, PAS15, SLZ<sup>+</sup>19]. **tolerant** [AA14, AA16, ANEA13, AH11, ABBD14, BKMT14, DBCF13, DTK11a, FABG<sup>+</sup>19, JBA15, JBS14, KG10, LDZ<sup>+</sup>17, LFZ<sup>+</sup>17, LAC18, MPG17b, MSEM<sup>+</sup>19, NCB<sup>+</sup>17, TCHC12, WW12, WYW15, XHZZ16]. **tomography** [BDRB14, GRS19, KSSL16, KDO<sup>+</sup>13, XTN12]. **tool** [Ada17, ACD<sup>+</sup>18, DXS<sup>+</sup>19, uRIL<sup>+</sup>18]. **toolbox** [EFG<sup>+</sup>14]. **tools** [DMS<sup>+</sup>16, FEH<sup>+</sup>14, GAC<sup>+</sup>17, RSVW19]. **Top** [SSKS11, IRRS16]. **Top-**[SSKS11]. **Topic** [YZC<sup>+</sup>19, CLW<sup>+</sup>19, dAAD<sup>+</sup>19]. **Topic-based** [YZC<sup>+</sup>19, dAAD<sup>+</sup>19]. **Topics** [Ano16l, Kum17]. **topologies** [PD19]. **Topology** [TKKH17, WHS<sup>+</sup>18, ZLKK19, AHA<sup>+</sup>16, GL12, KBC<sup>+</sup>10, LMP10, MBBD13, PMCC18, RCG18]. **topology-aware** [KBC<sup>+</sup>10, MBBD13]. **tori** [LXLS12]. **torus** [ACA<sup>+</sup>19, DM17, Lai15]. **total** [CB15]. **Trace** [JKIE13, CCAAS19, LC13]. **traces** [MTM10]. **tracing** [BM16, BM17b, CS17]. **tracking** [CJDC10, IHH<sup>+</sup>17, KO11, NDP13, PLSM18, SRB<sup>+</sup>19, TCS<sup>+</sup>10, WXZ<sup>+</sup>18]. **trade** [ECLV12, LCB16]. **trade-off** [ECLV12]. **trade-offs** [LCB16]. **tradeoff** [NLB<sup>+</sup>18, RPS19]. **Tradeoffs** [MP15, CGKY12, PCMM<sup>+</sup>17, SDS10, YZW<sup>+</sup>15]. **Trading** [MPG17a, AKSZ19, ZLL14]. **Traffic** [ZCW19, BJ18, CRD12, LHLM14, MPG17a, OOSGVG<sup>+</sup>16, YBM13, Zah12]. **traffic-aware** [LHLM14]. **trails** [PR12]. **training** [CDY<sup>+</sup>19, FFYH19, ZHG<sup>+</sup>19, ZLS17]. **trajectory** [WLYS19]. **transaction** [SI13]. **Transactional** [AM12b, CRB19, Gra10b, MP10, BGA12, CGM14, DT11, FWM<sup>+</sup>10, GKK<sup>+</sup>13, HGFF10, KR17, PB19, QGZP17, QGZP19, RDCQ17, SDS10]. **transactions** [CC16, FGG17, MLMSMG12, QGZP19, UBES10]. **transfer**

[APK18, JKV15, LE19, WH17]. **transferability** [CSS11]. **Transferring** [SAR<sup>+</sup>18]. **transfers** [GLGLBG12, LMGLGLG17, SCMH13]. **Transform** [Lla17, IIH16, CVK<sup>+</sup>18a]. **transformation** [Tur12]. **transformations** [AM17]. **Transformer** [LLY15]. **Transforming** [LW16b]. **transistor** [FPM<sup>+</sup>14]. **transistors** [LC14a]. **transition** [SP13]. **transition-aware** [SP13]. **translation** [NCB<sup>+</sup>17]. **transmissible** [CWCW18, YHWY18b]. **transmission** [BDRB14, CHCG18, CPA<sup>+</sup>11, DJDK19, WHC<sup>+</sup>18, YA11]. **Transparent** [LMY<sup>+</sup>11, GRZ<sup>+</sup>18, LLY15]. **Transparently** [KLJ<sup>+</sup>11]. **transport** [NPGV10, PKW<sup>+</sup>10, WCL<sup>+</sup>13]. **transpose** [BG16]. **travel** [KSSL16]. **travel-time** [KSSL16]. **traveling** [WMG13]. **traversal** [BBS13, CMN12, YFBY17]. **traversals** [HMR15]. **treasure** [MP15]. **Tree** [DR19, ASC<sup>+</sup>18, AB13, BM14, BE13, BPBR11, BBD18, CG12, CRD17, DJ16, GHIJ19, HSS10, HMR15, HN19, KG10, KSK15, LY10, Li10, SV18, SLHS19, SJG19, TR16, WW12, Zah12, BBCQ13, GB11, SJG19]. **trees** [CFJW13, CFL<sup>+</sup>19, DGNW13, ESGQ<sup>+</sup>11, ESGQ<sup>+</sup>14, GHY10, HAC17, JLY12, KKN13, LFZ<sup>+</sup>17, MKW18, RDA18, WFZJ12, WIB12, YMLP14]. **Trellis** [SGdSS13]. **Trends** [ACB<sup>+</sup>15, HAC<sup>+</sup>19, KKKG14, MCS<sup>+</sup>19, BHS13]. **triangular** [CASD18, dMS18]. **tridiagonal** [MRT18, PP13, SPH13, Ter16]. **trimming** [ZCS<sup>+</sup>18]. **triumph** [Sch14]. **Trojan** [BK18]. **Troodon** [KAA<sup>+</sup>19a]. **Trust** [TAM<sup>+</sup>19, GTGLSA12, LZ11, LMXJ18, MLMSMG12]. **trustworthy** [MHLZ16]. **TSGL** [ACD<sup>+</sup>18]. **tsunami** [NSKN17]. **TT-XSS** [WXZ<sup>+</sup>18]. **tumors** [HES11]. **tuned** [PSB<sup>+</sup>19]. **Tuning** [CSMML10, TdAR18, ABGV11, APK18, KKR14, MYD<sup>+</sup>11, uRIL<sup>+</sup>18]. **Tunnel** [ZBR11]. **Tunnel-based** [ZBR11]. **Tuple** [STKW12, LdPLC<sup>+</sup>19]. **turbulence** [PLK<sup>+</sup>18]. **twig** [LSZZ15]. **twisted** [LFZ<sup>+</sup>17, WFZJ12, XHZZ16]. **Two** [BBH<sup>+</sup>17, CMR19, DKU15, CB11, FSV17, JD12, MP10, SNCP12, WLL16, YYWZ19, dIAMCFN12]. **Two-dimensional** [CMR19]. **two-layer** [YYWZ19, dIAMCFN12]. **Two-level** [BBH<sup>+</sup>17]. **two-list** [WLL16]. **two-phase** [SNCP12]. **type** [GA18, GNZ18, PTN<sup>+</sup>19]. **types** [ASB18, MFT<sup>+</sup>19, RJKL11].

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