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## Title word cross-reference

$(2^n - 1, 2^{n+p}, 2^n + 1)$  [Hia17].  $(G(2^m, 4))$   
[KP13].  $(t, k)$  [CH13, Cha10a, CH11]. +  
[BKV12]. 0 [XHX<sup>+</sup>17].  $0 < l < r$  [KCK16]. 1  
[HWG<sup>+</sup>14, JSC10, MSK15, XHX<sup>+</sup>17]. 10  
[VAB14]. 2 [CMB13, CND<sup>+</sup>18, EJ15,  
LJY<sup>+</sup>15, RKZ16, SG12, TLP18, WHL17].  $2^n$   
[Sou15].  $2^n + 1$  [HMC11, VD12]. 3  
[AD10, ASS<sup>+</sup>18, AVS<sup>+</sup>14, CTH14,  
CCK<sup>+</sup>16a, CCL<sup>+</sup>18, CWTT13, DYW15,  
EDL<sup>+</sup>14, EYBK15, HCY18, JKD<sup>+</sup>19,  
KAH<sup>+</sup>15, KKC15b, LJY<sup>+</sup>15, LLW<sup>+</sup>17,  
MWWT13, RVL<sup>+</sup>14, SKEB18, SPC<sup>+</sup>18,  
TMS<sup>+</sup>14, TCHL18, WJY<sup>+</sup>17, WZL<sup>+</sup>17,  
XCF16, YEY<sup>+</sup>16, YMG16, ZDYZ14]. 4  
[PP16, Sou15, TAM<sup>+</sup>16]. 5 [FGS<sup>+</sup>13].  $8 \times 8$   
[CND<sup>+</sup>18]. 4 [ZLN11].  $B^+$  [FYSK14].  $d$

[PRM16].  $D^3$  [YTD<sup>+</sup>18].  $\eta_T$  [BDE<sup>+</sup>11].  $F_3^m$   
[AH10].  $GF(2)$  [Ose11].  $GF(2^m)$   
[CLL<sup>+</sup>14, Cil13, DJA14, WF12].  $K$   
[FG10, AD10, AD12, Amm14, Fen14,  
FEM<sup>+</sup>18, HK13b, NTR14, YUGD14,  
YLA<sup>+</sup>15, ZCL<sup>+</sup>16].  $L$  [CMB13].  $LFSR$   
[Pom16a].  $\mathbf{F}_q$  [KCK16].  $N$   
[ADJG19, AMVOS<sup>+</sup>15, AVS<sup>+</sup>16, FG10,  
HK13b, Ose11, YM11, YUGD14, Zot10].  
 $n \times k (k \geq n/2)$  [MC11].  $P$  [BCTV15, GT19].  
 $q \equiv lr^s \pmod{r^{s+1}}$  [KCK16].  $r$  [KCK16].  $s$   
[KCK16].  $T$  [KMM16, MCT19].  $t/k$   
[LXZH16, ZLXW15].  $\tau$  [ADJ12].  $Z_N$   
[LCwW10].  $Z_q$  [EBE13].

**-Approximation** [SG12]. **-Ary**  
[HK13b, FG10]. **-Atomicity** [WHL17].  
**-Automated** [SBMP18]. **-Based** [Pom16a].  
**-Bit** [YUGD14]. **-Circuits** [BCTV15].

-**Connected** [SG12]. -**count** [MCT19].  
**-Coverage** [AD10, AD12]. -**Covered**  
 [Amm14]. -**Cubes** [HK13b, FG10]. -**D**  
 [MSK15]. -**Diagnosability**  
 [Cha10a, CH13, LXZH16, ZLXW15].  
**-Diagnosis** [CH11]. -**Dimensional**  
 [Zot10, AMVOS<sup>+</sup>15, AVS<sup>+</sup>16]. -**Encoding**  
 [XHX<sup>+</sup>17]. -**Extra** [CTH14]. -**Moduli**  
 [Sou15]. -**Networks** [CMB13]. -**NN**  
 [FEM<sup>+</sup>18, ZCL<sup>+</sup>16]. -**overlap** [ADJG19].  
**-Partition** [NTR14]. -**Pipeline** [PRM16].  
**-Term** [Ose11]. -**th** [KCK16]. -**Times**  
 [YLA<sup>+</sup>15]. -**Tree** [FYSK14].

/**Many** [SNM16].

**10Gbps** [PRGBSAC19]. **128-Bit** [GV14].  
**16** [ZAG19]. **1687** [ZNL18].

**2** [XYF<sup>+</sup>15]. **2.0** [PC16]. **2.5D** [DYHX16].  
**256** [IDG<sup>+</sup>17].

**3D** [ALW11, DSPB13, SKEB16, SVAB14,  
 ZDYZ13]. **3D-ICE** [SVAB14]. **3D-NoCs**  
 [DSPB13, SKEB16].

**4-Bit** [GM12].

**5** [ZZS10, ZZL14]. **512** [GV14].

**6** [FSL<sup>+</sup>17, ROGHNB<sup>+</sup>18, ZLWZ15].

**802.11n** [CKH15, GY16, GY14]. **802.15.4**  
 [HXVQ15, NBZP17]. **802.16** [CTS13].  
**802.16-Based** [CTS13].

**Abort** [EFGT18, IGLM15]. **Abort-on-Fail**  
 [IGLM15]. **Absorbing** [MTFK19].

**Abstract** [KN11a]. **Abstraction**  
 [BFP11, HSH<sup>+</sup>10, LVF19, YCK16, ZYY10].

**Accelerate** [RS10, SJVR19, ZLWZ15].

**Accelerated**  
 [BEHL<sup>+</sup>19, MTFK19, SCSL12].

**Accelerating**

[CMO<sup>+</sup>16, CYHC14, DOS15, LLCC13,  
 RWZZ14, WZW<sup>+</sup>19, XZL<sup>+</sup>19, YEG<sup>+</sup>15].

**Acceleration** [AAR19, GIKR19, KCRG15,  
 KN13, LK18, TLL<sup>+</sup>13, XYF<sup>+</sup>15, ZWH<sup>+</sup>15].

**Accelerator** [AKTB18, BQP<sup>+</sup>16, BCMJ10,  
 DW10, LJG<sup>+</sup>19, LMB17, LLD19, MSPK12,  
 MRL<sup>+</sup>18, ÖDSS17, PC16, PGvdG14,  
 SDP<sup>+</sup>15, YMG15, YAG19].

**Accelerator-Based** [AKTB18].

**Accelerators** [BZ15, DMK<sup>+</sup>15, MGW14,  
 SKPK10, VMB19]. **Access**

[Ano13e, CFL<sup>+</sup>18, CS15, HK16, HHW<sup>+</sup>18,  
 KP15, LSG<sup>+</sup>18, LHYZ13, NH10, RC14,  
 SPTC15, SCJ<sup>+</sup>16b, SCJ<sup>+</sup>16a, TLH<sup>+</sup>16,  
 WHZ<sup>+</sup>15, XKT<sup>+</sup>15, YLA<sup>+</sup>15, YAGB17,  
 ZICL12, ZMY11]. **Access-Time** [HK16].

**Accesses** [CVPS19, CLW<sup>+</sup>19, CLM<sup>+</sup>19,  
 LK15a, LXW<sup>+</sup>19]. **Accounting** [LMC<sup>+</sup>12].

**Accumulate** [CCRL19]. **Accumulation**  
 [KGD16]. **Accumulators** [BGHL19].

**Accuracy** [Pom16b]. **Accurate**  
 [AFC10, BBK10, CTL<sup>+</sup>17, HCL<sup>+</sup>14, ISC15,  
 Iko15, JCY<sup>+</sup>13, KGD16, LJ13, MNFA14,  
 MWWT13, MD16, RMB<sup>+</sup>13, SQJ<sup>+</sup>15,  
 TKT16, ZMR<sup>+</sup>13]. **Achieving**

[HHW<sup>+</sup>18, RRS<sup>+</sup>16, TLH<sup>+</sup>16, ZC13]. **ACO**  
 [CHC<sup>+</sup>15]. **ACO-Based** [CHC<sup>+</sup>15].

**Acoustic** [UVG16]. **Across**

[LQD<sup>+</sup>16, CLS14, JSE14]. **Activate**  
 [LYT<sup>+</sup>16]. **Activation** [RSN<sup>+</sup>18, SCJ<sup>+</sup>16a].

**Active** [HV14a, JRP<sup>+</sup>14, LYT<sup>+</sup>16, ST18a,  
 WL13, YYC12, DHC<sup>+</sup>16]. **Activities**

[SJD<sup>+</sup>18]. **Activity** [Pom12d, Pom13a].

**Actor** [AEKT15, ASTU10, MB12b, ZM17].

**Actor-Critic** [ZM17]. **Actors** [DSB13].

**Actuator** [SPC<sup>+</sup>16]. **Ad** [CWZ11, CS15,  
 CWTT13, CWY13, DLL<sup>+</sup>12, FS10, GDY15,  
 LYCT10, RDEN10, TH11, XWY10].

**Adaptable** [KA19]. **Adaptation**  
 [Ano13f, GSH<sup>+</sup>14, RDEN10, YyHL11].

**Adapting** [WGLL13]. **Adaptive** [AO12a,  
 AKJ<sup>+</sup>13, ACW<sup>+</sup>11, AVS<sup>+</sup>16, BKPMC13,  
 CHC<sup>+</sup>15, CCE<sup>+</sup>18, CKD<sup>+</sup>17, CGL<sup>+</sup>13,  
 CYL<sup>+</sup>14, DYHX16, DY12, EDL<sup>+</sup>14,

FFCB14, FYSK14, GLXY13, Ged14, GV15, HCL15, HCSW15, HLWV17, IBH<sup>+</sup>13, JT15, JLLH19, KSEG15, LOH17, LSL15, LFH<sup>+</sup>16, LHH17, LWH<sup>+</sup>16, MTBB10, NY15, NY19, OKY<sup>+</sup>19, OGH<sup>+</sup>14, PPKW12, PM14, RBG14, RVL<sup>+</sup>14, RS10, RXC<sup>+</sup>15, SKEB18, SOM<sup>+</sup>13, SRK<sup>+</sup>17, SXCL14, SDL<sup>+</sup>19, TLP17, TRA18, TLGM17, WWM16, WW16, WYL<sup>+</sup>15, WAK<sup>+</sup>17, XHLW19, YyHL11, YWW<sup>+</sup>16, YZ15, YHV13, ZWH<sup>+</sup>15, ZL16].

**Adaptive-Acceleration** [ZWH<sup>+</sup>15].

**Adapts** [WTBT13]. **Adas** [HHC<sup>+</sup>18].

**adBoost** [khR<sup>+</sup>18]. **Add** [WF17, ZCK19].

**Adder** [CL10, KT19, Nan19, PSL17, SJS<sup>+</sup>14, VD12].

**Adders** [DDNT19, HVZ13, Kor15, LHL13b, LHL15b, LCW<sup>+</sup>16, MHH<sup>+</sup>17, WLG<sup>+</sup>19].

**Adding** [LLL14]. **Addition** [GVCNCVM16, JPG10, JDA15, KBP13, MLH12, VMHGN18].

**Addition/Subtraction** [KBP13].

**Additions** [LJ13]. **Additive** [TM18].

**Address** [AJH15, CKKS14, CQW<sup>+</sup>15, CC11, KCKL19, LYS10, LLHC15, ML16, SCZ<sup>+</sup>16, SRHC12, YCKH16]. **Addressable** [ALBP14, PO13, SMRM17, CCC<sup>+</sup>18].

**Addressing** [LXW<sup>+</sup>19]. **ADDSEN** [WAK<sup>+</sup>17]. **Adjacent** [NL18, Pom13a].

**Adjustment** [Yam10]. **Admission** [NZLK14]. **Admissions** [XWL10].

**Advanced** [KK18, SBP<sup>+</sup>14, XL16, MKRM10].

**Advances** [LLK18]. **Advancing** [ZCW18].

**Advocacy** [ST11b]. **Advocacy-Free** [ST11b]. **AES** [JL11, LB13, MMP13, MKRM12].

**AES-GCM** [JL11, MKRM12].

**AES/PCLMULQDQ** [JL11]. **Affine** [BLB<sup>+</sup>19, RKT19, ZYHZ16]. **Against** [FRB<sup>+</sup>18, GDLL18, MSS<sup>+</sup>18, SBMP18, YLY<sup>+</sup>15a, ASBdS16, GSF<sup>+</sup>10, KASZ13, LFJ<sup>+</sup>13, PLZW14, SKZS13, SBM15, SEY14, SWWC11]. **Age** [GEN<sup>+</sup>17]. **Agent** [LLCH13, SD13, TKL<sup>+</sup>14, ZCYX15].

**Agent-Based** [ZCYX15]. **Aggregate** [PSM17, CLW16b]. **Aggregation** [Ano13g, HXVQ15, KLT16, LWW11, QQW<sup>+</sup>17, RWZZ14, VBR<sup>+</sup>13, WJL<sup>+</sup>14, ZHW<sup>+</sup>16].

**Aggressive** [AS12, AS14, ARS16].

**Aggressiveness** [Pan16]. **Aging** [AEGH19, KAH18b, LSA18, SKH16, VCSG<sup>+</sup>19, ZBK<sup>+</sup>17]. **Aging-Aware** [KAH18b, LSA18, VCSG<sup>+</sup>19]. **Agnostic** [JKD<sup>+</sup>19]. **AH** [GYC<sup>+</sup>16]. **AH-Tree** [GYC<sup>+</sup>16]. **Aid** [NL14]. **Algebra** [DSB13, FGS<sup>+</sup>13, FGS<sup>+</sup>15, PvdGG12].

**Algebraic** [CND<sup>+</sup>18, HIJ<sup>+</sup>19, JLMP11, LYK19].

**Algorithm** [AT16, AHNT16, AK14, Bai17, CS11b, CZ16, CPL16, DZD<sup>+</sup>16, DSPB13, FG10, Fuj11, GWZ<sup>+</sup>10, GNSR14, HC13b, HWL<sup>+</sup>14, HEGE11, JL11, JGHD11, KS14, KO14, KCK16, LBSK17, LPL<sup>+</sup>13, LYOB15, LT14, LMC<sup>+</sup>15, LY11, LBN14, LPW10, LYCT10, LLL11, LLCC13, LZ14, LSZ<sup>+</sup>15, LCW<sup>+</sup>15, MJW<sup>+</sup>14, MRL<sup>+</sup>18, OGH<sup>+</sup>14, PGvdG14, PB11, QML<sup>+</sup>15, Red14, SKEB16, SKEB18, SRR<sup>+</sup>16, SG13, SL10, SR14, SKA10, SJS10, SCNS10, TLZV11, TLP18, TC16, Tsa13, VVMAZ12, VB13, WBZ<sup>+</sup>15, WW16, XCW<sup>+</sup>10, Yan14, YLL16, YLA10, ZWLS15, ZFJ<sup>+</sup>17, dAJM14]. **Algorithmic** [CAGM14, DDNP11, GLP<sup>+</sup>12, HWG<sup>+</sup>14, JSC10, LKT13, NL14]. **Algorithms** [ADOKM10, AD13, BJ10, CCK10, CCH<sup>+</sup>15a, CB15, CCR<sup>+</sup>17, DALD18, EJ15, FMP19, GY14, GGL<sup>+</sup>14, HT16, HMA<sup>+</sup>10, HWG<sup>+</sup>14, JWH<sup>+</sup>15, JSC10, JMMP16, KLT16, Kür12, LHC<sup>+</sup>14, LB15a, LSX13, LCwW10, LLLP14, LMT13, MMH14, ML16, NZC11, PN16, PP16, Pip11, RHC<sup>+</sup>14, RT14, SG12, ST11b, TKL<sup>+</sup>14, WTY<sup>+</sup>14, WWM16, XLL15, ZHM14, ZMRQ11]. **Alignment** [BEHL<sup>+</sup>19, SKPK10]. **Alignments** [BCM10]. **All-Optical** [KH14]. **All-to-All** [ZGY13]. **Allocating** [MFG14]. **Allocation** [AF14, AQPMS15, BSM<sup>+</sup>14, CLS14, CPL17, DKG13, GO10, GDY15, HCCG10, HK17,

IHR<sup>+16</sup>, LZA<sup>+16</sup>, LGF<sup>+15</sup>, MNGV16, PLP<sup>+13</sup>, PCLN15, PAP13, PAC<sup>+12</sup>, PCZB11, PBE17, RCN11, UMN18, VTW16, WLT<sup>+16</sup>, XLL<sup>+18</sup>].

**Allocation/Deallocation** [PCLN15].

**Allocations** [XLTZ11]. **Allocator** [PKY19].

**Almost** [WHL17]. **Alternating** [HFZ13].

**Alternatives** [YLGE14]. **ALU** [AC11, HK15a, RTRM19]. **ALV** [ZZS10].

**Always** [TBC<sup>+17</sup>]. **Always-On** [TBC<sup>+17</sup>].

**Ambient** [JCY<sup>+13</sup>]. **Amdahl** [CA12a, YMG16]. **Amplification** [SQJ<sup>+15</sup>].

**Analysable** [KAQC14]. **Analyses** [LSSE15]. **Analysis** [ADJG19, AXS<sup>+10</sup>, ABEP16, AS14, BM13a, BBK10, BRN<sup>+15</sup>, BLB<sup>+19</sup>, BS14, BBB16, BDB18, BMZ17, BTW13, CS11b, CLW<sup>+15</sup>, CSW<sup>+15</sup>, CTL<sup>+17</sup>, CJ12, DMXY14, DDNT19, FEM<sup>+18</sup>, FHL<sup>+18</sup>, GW16, GGL<sup>+14</sup>, HB11, HTA10, HMA<sup>+10</sup>, HGW<sup>+17</sup>, HL10b, Iko15, JRW<sup>+14</sup>, JKY10, JJC14, KE19, KGP15, KAH<sup>+15</sup>, KKY<sup>+16</sup>, LHC<sup>+14</sup>, LYK19, Lee17, LLL16, LDB<sup>+17</sup>, LHL13a, LCW<sup>+16</sup>, LGS<sup>+18</sup>, LCY<sup>+19</sup>, MKT<sup>+11</sup>, MTGM12, MMTM15, MHHS17, MBD<sup>+17</sup>, MBB<sup>+17</sup>, MMAC19, MCXZ18, MHML15, NDC<sup>+13</sup>, NRG15, OP15, PC10, PFGB14, RZZ<sup>+15</sup>, RHC<sup>+14</sup>, RM15a, RBG<sup>+19</sup>, SXLC15, SKEB16, SMB<sup>+15</sup>, SX12, SZDL14, SCNS10, TS11, UMN18, VSC<sup>+19</sup>, VALK19, WCM<sup>+16</sup>, WLZ10, XWLX17, YYW<sup>+16</sup>, YLH10, YTM16, ZICL12, ZJH<sup>+14</sup>, ZT15, ZWD<sup>+16</sup>, ZAG19].

**Analysis-Based** [RZZ<sup>+15</sup>]. **Analytic** [BD15, Fin10, JAD<sup>+18</sup>]. **Analytical** [EYBK15, GPN11, KM11, LLZ<sup>+17</sup>, LHL15b, MYHL16, MKM14, SV18, SKEB18, SMA19, VED<sup>+16</sup>]. **Analytics** [HZW<sup>+12</sup>, KRP18, XYHD17, ZQZ<sup>+19</sup>].

**Analyze** [DS14]. **Analyzing** [WF14].

**Anchored** [BGHL19]. **Android** [CXLX15].

**ANGEL** [ZCYX15]. **Angle** [RS10].

**Angular** [YASS14]. **Annual** [Ano11a, Ano11b, Ano12a, Ano13a, Ano14a].

**Anomalies** [KKT15]. **Anomaly** [VSF<sup>+17</sup>].

**Anomaly-Based** [VSF<sup>+17</sup>].

**Anonymization** [ZDP<sup>+15</sup>]. **Anonymized** [PLZW14]. **Anonymizer** [LFJ<sup>+13</sup>].

**Anonymous** [FHH10, HLT<sup>+15</sup>, YLA<sup>+15</sup>].

**Answers** [SLLG15]. **Ant** [HCSW15].

**Antecedence** [SD13]. **ANTELOPE** [HLJ14]. **Antenna** [CKH15]. **Antennas** [GY16, GGL<sup>+14</sup>]. **Anti** [YGS15].

**Anti-Attacks** [YGS15]. **Any** [Wal19]. **AP** [GY14]. **APC** [WS14]. **APIs** [SWWC11].

**AppATP** [LSL15]. **Application** [AKL14, AK14, BRN<sup>+15</sup>, CCW<sup>+10</sup>, CH13, CNJ14, cCWS14, DAS14, Fin10, GKB<sup>+10</sup>, GCF<sup>+16</sup>, JCY<sup>+13</sup>, JKD<sup>+19</sup>, JRC14, KKP<sup>+16</sup>, KCS<sup>+13</sup>, KL13, LKYC12, LSA<sup>+17</sup>, LCHC14, LGMP10, MMCS18, MGW14, MD16, MAG<sup>+17</sup>, MRW<sup>+15</sup>, MY10, RBG14, SP16, SIB13, SRK<sup>+17</sup>, WMW12, XJW<sup>+16</sup>, YLGD19, ZCZ<sup>+19</sup>, ZYY18].

**Application-Adaptive** [RBG14].

**Application-Agnostic** [JKD<sup>+19</sup>].

**Application-Aware** [KCS<sup>+13</sup>].

**Application-Dependent** [AKL14, KL13].

**Application-Driven** [LGMP10].

**Application-Guided** [SRK<sup>+17</sup>].

**Application-Level** [CCW<sup>+10</sup>].

**Application-Specific** [JRC14, LSA<sup>+17</sup>, SP16].

**Application-Support** [LKYC12].

**Application/System** [JCY<sup>+13</sup>].

**Application/System-Dependent** [JCY<sup>+13</sup>]. **Applications** [ABB17, ALW11, AF14, ABEP16, AEP18, BQP<sup>+16</sup>, BMP<sup>+10</sup>, BMM11, BDB18, CLX14, CHLL16, CG18, DA12, FBE<sup>+18</sup>, GJ14, GSX<sup>+13</sup>, GPR<sup>+19</sup>, HV12, HV13, KTAvdS16, KKC17, KN13, LKYC12, LGH15, LHH14a, MVB10, ML18, ÖDSS17, PWTS16, PAC<sup>+12</sup>, QJM<sup>+10</sup>, RKR15, RQ14, RNS13, SAR<sup>+11</sup>, SIVH16, TLGM17, VTA16, WZZ10, WHL<sup>+12</sup>, WLQS13, YCCJ15, YG10, YRG13, YHV13, YAGB17, ZCZL16, ZCS16, ZCW18, ZT15, ZYL15, ZCY<sup>+16</sup>].

**Applying** [YY14]. **Approach**

[AD14, ABSK15, BR13, BC16, CWX<sup>+</sup>14, Cha10b, CLL<sup>+</sup>14, CFW14, CRK10, CJ12, CH14, DDNP11, DMA<sup>+</sup>15, DYCG16, DSY<sup>+</sup>15, DRS<sup>+</sup>16, DJO11, Fan16, GWMB13, GLXY13, GC16, GBF<sup>+</sup>19, HRM<sup>+</sup>16, HCL<sup>+</sup>14, HF15, HMNN12, LP13a, LBWH11, LKT13, LWL<sup>+</sup>16, MOMT12, MMB14, MKRM11, ML16, NL14, PCHS17, PR14, RCM<sup>+</sup>16, RBIQ15, RM15b, SKC<sup>+</sup>14, STR15, SD13, STK16, SQJ<sup>+</sup>15, UHSA17, VECD13, VYEB18, VBR<sup>+</sup>13, WEH<sup>+</sup>19, WF14, WLS18, YMT13, ZZS10, ZWW<sup>+</sup>16, ZCR16].

**Approaches** [DLL<sup>+</sup>12, NR15, ORBM13, OPV<sup>+</sup>17, YEY<sup>+</sup>16]. **Appropriate**

[ZRS<sup>+</sup>16]. **Approximate**

[AKL18, CHLL16, CHL17, DDNT19, GVPS19, HXVF12, JHQL16, KBO<sup>+</sup>19, LHL13b, LHL15b, LQW<sup>+</sup>17, LCY<sup>+</sup>19, LJVJ18, MHHS17, MHH<sup>+</sup>17, MHML15, NL16a, RSJR17, VALK19, WLG<sup>+</sup>19].

**Approximated** [BM11]. **Approximating**

[BKV12, dRV12]. **Approximation** [JLLH19, KMM16, KLT16, LHPH15, LSX13, LJ15, MMH14, SG12, SG13, WEX14, XTF<sup>+</sup>12, XLL15, ZL11]. **Approximations**

[SDP11]. **ApproxSSD** [ZWW19]. **Apps** [ZLW<sup>+</sup>17]. **Arb** [Joh17, RVL<sup>+</sup>14]. **Arbiter**

[GSX<sup>+</sup>13, SMCN18]. **Arbitrary**

[Bin15, BGPV10, FHR14, Joh17, Lef17].

**Arbitrary-Precision** [Joh17, Lef17].

**Arbitrary-State** [FHR14]. **Arbitrated**

[GGA<sup>+</sup>17]. **Arbitration** [FJA<sup>+</sup>17].

**Architecting** [CLM<sup>+</sup>19, KASZ13].

**Architectural** [GLP<sup>+</sup>12, HNB<sup>+</sup>12, LR16, LGMP10, OKD<sup>+</sup>16, RM15a].

**Architectural-Level** [LR16].

**Architecture** [ADJ12, AYC16, AFC10, Ano10c, BSS14, BSS15, BBB<sup>+</sup>17, CWZC13, CYC<sup>+</sup>16, CLOL18, DCCK17, DEE17, DCY<sup>+</sup>13, DMK<sup>+</sup>15, DJO11, EKA17, EE10, FMTK19, FZL<sup>+</sup>14, FM16, FLP<sup>+</sup>13, GRM16, GM11, GDJZ18, GIKR19, HK16, HLY14, IRMM<sup>+</sup>16, JC12, JJZ<sup>+</sup>16, KAH18a, KC14,

KK10, KBH<sup>+</sup>10, KKC15b, KH14, KAK18, KT12, LSC11, LCC10, LK15b, LR16, LS10a, LXW<sup>+</sup>19, LT15, LHCL13, LYS14, LYL<sup>+</sup>19, MWZ<sup>+</sup>17, MSK15, MKAY11, MS12, MKLW14, MC11, MH19, NKEM11, PGvdG14, PMH<sup>+</sup>14, QLR<sup>+</sup>11, RVL<sup>+</sup>14, ROGHNB<sup>+</sup>18, SSGB19, SNY<sup>+</sup>10, SWM<sup>+</sup>10, ST18b, SRHC12, Tho12, TWTT11, THGT13, VED<sup>+</sup>16, VB13, WTBT13, WLW<sup>+</sup>14, WLZ<sup>+</sup>15, WJY<sup>+</sup>17, WhCCC12, WZLS16, YyHL11, YP12, YMG15, YYC12, YLH13, YEG<sup>+</sup>15, ZL18, ZZJ<sup>+</sup>19, ZOK<sup>+</sup>19, ZM10].

**Architecture-Aware** [LSC11].

**Architecture-Based** [HLY14].

**Architecture-Centric** [DJO11].

**Architectures**

[ARM16, AT16, ARM13, BLN<sup>+</sup>15, BBI<sup>+</sup>13, BMM11, BDE<sup>+</sup>11, BS10, CMO<sup>+</sup>16, CWF14, CHTD19, CCR<sup>+</sup>17, DPO17, DKLB15, ERRM16, GD17, GCD<sup>+</sup>11, GBO<sup>+</sup>16, HRM<sup>+</sup>16, HEGE11, JP13, LK10, LP17, LP12, LBN14, LR18, LW15, MGDc<sup>+</sup>18, MKRM12, NWA12, OWP16, OOD<sup>+</sup>17, PvdGG12, RMC<sup>+</sup>15, RMERM19, RKN<sup>+</sup>18, SLPB18, SLZX15, SL10, Yan14, YHT<sup>+</sup>16, ZYW<sup>+</sup>16, ZBK<sup>+</sup>17, ZBW17]. **Area** [ABH<sup>+</sup>13, BWV15, DCCK17, DJA11, FAK16, GKB<sup>+</sup>10, HC17, LSC11, LYOB15, LFH<sup>+</sup>16, SH12, VALK19, WF17, YXWL16].

**Area-Based** [LYOB15]. **Area-Efficient**

[DJA11, FAK16, LFH<sup>+</sup>16]. **Area-Time**

[ABH<sup>+</sup>13, DCCK17, GKB<sup>+</sup>10, HC17,

LSC11]. **Areas** [YKK<sup>+</sup>15]. **Arithmetic**

[AO12b, Ano11e, AHI12, BLB<sup>+</sup>19, BF19, BCS11, BdD19, CATB19, FMP19, FVV12, FM19, FML10, GKS14, HSA14, HMO<sup>+</sup>17, IDG<sup>+</sup>17, JLMP11, JCK15, Joh17, JMMP16, KMP11, LOC<sup>+</sup>16, LMB17, NST14, RMC<sup>+</sup>15, UHSA17, XMH13, ZCW18, ZAG19].

**Arithmetic-Based** [BLB<sup>+</sup>19].

**Arithmetical** [Kür12, MEBS17]. **ARM**

[BBA19]. **Armed** [KTAvdS16]. **ARMOR**

[GDJZ18]. **ARMv8** [SD18]. **ARMv8-A**

[SD18]. **Array**

[Gor14, LLOS13, NZC11, SBW<sup>+16</sup>, ZWW19].

**Arrays**  
 [ASS<sup>+18</sup>, CVGZ15, DSW<sup>+14</sup>, DRC14, JWH<sup>+15</sup>, LB13, SP12, VSC<sup>+19</sup>, WNCH17].

**Art** [LLK18]. **Ary** [FG10, HK13b]. **ASAP** [BEHL<sup>+19</sup>]. **ASIC** [MMP13]. **Aspects** [HWG<sup>+14</sup>, JSC10]. **ASSER** [YTD<sup>+17</sup>].

**Assertions** [VA11]. **Assessment** [CCD12, EYBK15, XWL<sup>+16b</sup>]. **Assigning** [MW13]. **Assignment** [CWZ13, HCH15, LXL<sup>+13</sup>, LDL<sup>+17</sup>, RCM<sup>+16</sup>]. **Assisted** [ADC11, ACGP13, CJSM17, JAS<sup>+15</sup>, LHL<sup>+15a</sup>, LYT<sup>+16</sup>, LLX<sup>+17</sup>, LLLJ13, LLKA19, RTL<sup>+18</sup>]. **Associated** [Ibr16, RGK15]. **Association** [GY14, SBH11]. **Associative** [DPS11, YMG15]. **Assume** [LH11]. **Assume-Guarantee** [LH11]. **Assumptions** [HMZ<sup>+14</sup>, SBM15]. **Asymmetric** [GGSPM18, HCY18, KH18, Li12a, LCLC19, RBK<sup>+12</sup>, YSZ<sup>+14</sup>, ZFJ<sup>+17</sup>]. **Asymmetry** [WBG19]. **Asynchronous** [AF14, CCL<sup>+13</sup>, HKWC14, KC13, LK18, OMFH14, RZPX19, YHML16, ZLJ<sup>+17</sup>, ZYY10, ZCR16].

**Atmosphere** [JSE14]. **Atmospheric** [XYF<sup>+15</sup>]. **Atomic** [WHL17]. **Atomicity** [LJL13, WHL17]. **ATP** [VECD13]. **Attack** [DP13, GDLL18, GV14, MLW12, MSS17, MSS<sup>+18</sup>, MMP13, PLZW14, SBM15, XJWW13, YWM19]. **Attacks** [AS14, BPBBL13, BK12, CKM15, CSS13, CTL<sup>+17</sup>, FRB<sup>+18</sup>, HIJ<sup>+19</sup>, KSN<sup>+15</sup>, KASZ13, LFJ<sup>+13</sup>, OGP14, PDJ<sup>+19</sup>, RM15a, SKZS13, SEY14, SBMP18, TJH<sup>+15</sup>, TIHM18, YLY<sup>+15a</sup>, YZF<sup>+10</sup>, YGS15].

**Attestation** [MGdC<sup>+18</sup>, MBS<sup>+12</sup>].

**Attribute**  
 [FHR14, RVH<sup>+16</sup>, SX12, WHZ<sup>+15</sup>, XHX<sup>+17</sup>, YLA<sup>+15</sup>, ZPM<sup>+15</sup>, ZHW15].

**Attribute-Based** [FHR14, RVH<sup>+16</sup>, WHZ<sup>+15</sup>, XHX<sup>+17</sup>, YLA<sup>+15</sup>, ZPM<sup>+15</sup>].

**Auctions** [ZJL<sup>+16</sup>, ZGWC15]. **Audio** [CJG16]. **Audio-on-Demand** [CJG16].

**Auditable** [HRK17]. **Auditing** [JCM16, LLXC16, LRY<sup>+15</sup>, WCW<sup>+13</sup>, WCH<sup>+15</sup>].

**Augmentation** [NRG15]. **Authentic** [HLT<sup>+15</sup>]. **Authenticated** [BDMLN16, HL10a, LCCJ13, YRT<sup>+16</sup>].

**Authentication** [CCW<sup>+10</sup>, CJ13, Har13, HBCC13, Kim15, KH10, LCLL15, MSKRJ17, SZDL14, ZHW<sup>+16</sup>]. **Auto** [ABSK15, YXWL16]. **Auto-Correction** [ABSK15]. **Auto-Focus** [YXWL16].

**Automata** [GO10, KKS14, LW13, MSK15, RSG<sup>+19</sup>, XXBL17]. **Automated** [CCD12, FM19, MSK15, SBMP18, XKT<sup>+15</sup>].

**Automatic** [BRN<sup>+15</sup>, BFP11, CLX14, CYA13, GJ14, GAFN15, Sri10].

**Automating** [MRW<sup>+15</sup>]. **Automaton** [LLL11]. **Automotive** [BCD<sup>+16</sup>].

**Autonomic** [VECD13]. **Autonomous** [JGHD11]. **Autotuning** [GVPS19].

**Availability**  
 [CS15, WJF<sup>+11</sup>, WJM15, ZHM<sup>+19</sup>].

**Available** [Ano11g, Ano11h]. **Avoidance** [CCH<sup>+15a</sup>, RVH<sup>+16</sup>, WL13]. **Avoiding** [CRG<sup>+13</sup>].

**Aware**  
 [AQPMS15, ARS16, BLN<sup>+15</sup>, BMS11, CFL<sup>+18</sup>, CSPC12, CYCC11, CNJ14, CZP<sup>+16</sup>, CTD<sup>+16</sup>, CPL16, CPL17, CKD<sup>+17</sup>, CG18, CWTT13, CRJZ16, CGJ<sup>+10</sup>, DSKH15, FYSK14, FSPD16, FSPD17, FBWMM13, GVPS19, GKD<sup>+17</sup>, GGSPM18, GBA18a, GHL17, GBD<sup>+15</sup>, GCF<sup>+16</sup>, HRM<sup>+16</sup>, HMR<sup>+17</sup>, HWZ<sup>+12</sup>, HV12, HWS<sup>+17</sup>, HWSX17, HS18, HV13, HWZ<sup>+17</sup>, HLJ14, HLF14, IPS17, IS11, JSA17, JJK<sup>+11</sup>, JSC<sup>+17</sup>, JZLD10, JRJ<sup>+18</sup>, JWC12, KSS12, KLK18, KIJ14, KS14, KPS<sup>+17</sup>, KAH18b, KAH19, KSJ<sup>+12</sup>, KkC15a, KLC18, KCS<sup>+13</sup>, LKJ15, LSC11, LSC10, LY11, LMNP11, LSK13, LBN14, LKS<sup>+14</sup>, LK16a, LK16b, LSA18, LYJ<sup>+18</sup>, LWH<sup>+16</sup>, LCLC19, Man16, MMCS18, MOYB12, MWY<sup>+16</sup>, MKM14, OOD<sup>+17</sup>, PVKA14, PAC<sup>+12</sup>, PBT13, PBE17, QJM<sup>+10</sup>, QLH<sup>+16</sup>, RKZ16, SKPC15, SBP16, SJVR19, SRR<sup>+16</sup>, SKH16, SLC<sup>+15b</sup>, SZZ<sup>+19</sup>, SYK14, TFCY16, VCSG<sup>+19</sup>,

WLK15, WJY<sup>+17</sup>, WZL<sup>+17</sup>, WWT<sup>+18</sup>,  
 WBG19, WSXZ13, WFY<sup>+17</sup>, XJFT16,  
 XCF16, XWH14, XWL<sup>+16a</sup>, XLL<sup>+14</sup>.  
**Aware** [XLJ16, YCLH16, YCW<sup>+19</sup>,  
 YTM16, ZLBB19, ZJS14, ZDP<sup>+15</sup>, ZDYZ13,  
 ZDYZ14, ZV14, ZYL15, ZWW19, ZHGX19,  
 ZQQ11, ZMRQ11, khR<sup>+18</sup>, JYL<sup>+17</sup>].  
**Awareness** [YHML16]. **Axiomatization**  
 [AGCD16].

**B** [WLC<sup>+15</sup>]. **B&B** [BMT14]. **B-Tree**  
 [WLC<sup>+15</sup>]. **Back** [XSR15]. **Backbone**  
 [ZWX12]. **Backlight** [LHH14a]. **Backoff**  
 [KCRG14]. **Backup**  
 [BR13, LXJD15, MYW11, ZFJ<sup>+17</sup>].  
**Backward**  
 [JRW<sup>+14</sup>, LLL11, LLW<sup>+18</sup>, SKZS13]. **Bag**  
 [BMP<sup>+10</sup>, HV13]. **Bag-of-Tasks**  
 [BMP<sup>+10</sup>, HV13]. **BAGC** [LSK13].  
**Balance** [HHW<sup>+18</sup>]. **Balanced**  
 [LBS15, ZWYY15, ZCY<sup>+16</sup>]. **Balancing**  
 [AO12a, ADOKM10, BR13, CHC<sup>+15</sup>, HC13b,  
 JR17, KRP18, PBL16, QJM<sup>+10</sup>, RKZ16,  
 SMTK12, SLS<sup>+12</sup>, Tse12, XAYL15, ZV14].  
**Bandits** [KTAvdS16]. **Bandwidth**  
 [CLM<sup>+19</sup>, FSPD16, JPLP13, LKH16,  
 LYS14, NH10, VC10, YYW<sup>+16</sup>, YCCWC15,  
 YYP<sup>+16</sup>, ZRS<sup>+16</sup>, ZGWC15].  
**Bandwidth-Aware** [FSPD16]. **Bank**  
 [SJC<sup>+17a</sup>]. **Bank-Group** [SJC<sup>+17a</sup>].  
**Banked** [vdBGLGL<sup>+16</sup>]. **Bare**  
 [QPG10, YXZZ14]. **Bare-Metal** [YXZZ14].  
**Barrett** [KVV10]. **Barrier**  
 [WCLY16, Zot10]. **Base** [Wal19]. **Based**  
 [AMR18, AF14, AK15, ABSK15, AKL14,  
 AT16, AHNT16, ADC11, AKTB18, AS16,  
 BLB<sup>+19</sup>, BBA19, BDM<sup>+19</sup>, BWV15,  
 BGMR13, BMS11, BF19, BBB<sup>+17</sup>, BBH12,  
 BDL<sup>+13</sup>, CCM14, CCK10, CHN14,  
 CMLS15, CJSM17, Cha10b, CK11, CHH<sup>+13</sup>,  
 CKKS14, CHC<sup>+15</sup>, CCE<sup>+18</sup>, CKM15,  
 CMRH17, CHCK12, CHLT14, CCC15,  
 CSW<sup>+15</sup>, CYC<sup>+16</sup>, CLOL18, CGL<sup>+18</sup>,  
 CLCS19, CC11, CYHL14, CYA13, CAGM14,

CTS13, CYL<sup>+14</sup>, CND<sup>+18</sup>, CH14, CWCS15,  
 DYW15, DYHX16, DP13, DCCK17,  
 DCCK18, DYJ19, DCM16, DA12, DPS11,  
 DJA11, DZ10, DHC<sup>+16</sup>, DRS<sup>+16</sup>, DW10,  
 DKK16, DDNT19, EDL<sup>+14</sup>, EKA17,  
 EYBK15, EGVFC<sup>+12</sup>, EFGT18, EFPC16,  
 FMTK19, FHH10, FHR14, FAK16, FEM<sup>+18</sup>,  
 FBR<sup>+12</sup>, FGS<sup>+13</sup>, FHW18, GT19, GRM16,  
 GDLL18, GEN<sup>+17</sup>, GBA18a, GV14, GP14,  
 GNTS13, GTRMG18, GBF<sup>+19</sup>, GCR<sup>+19</sup>,  
 GWZ<sup>+10</sup>, GLP15, GBGI18, GABK11,  
 HTH15, HWZ<sup>+12</sup>, HSM14, HF15, HMZ<sup>+14</sup>].  
**Based**  
 [HIJ<sup>+19</sup>, HL10a, HMNN12, HSA14, HKR<sup>+18</sup>,  
 HLY14, HCSW15, HQLX15, Ima18, JPG10,  
 JDA<sup>+16</sup>, JC12, JGG<sup>+14</sup>, JSH<sup>+17</sup>, JPLP13,  
 JKD<sup>+19</sup>, KAH18a, KTAvdS16, KM11,  
 KSN<sup>+15</sup>, KP15, KLK17, KN11a, KN13,  
 KVV10, KASZ13, KAK18, KL13, LBSK17,  
 LRC10, LYOB15, LP12, LMC<sup>+15</sup>, LSK13,  
 LLCH13, LK16a, LRP16, LW17, LRP<sup>+18</sup>,  
 LTL14, LOX<sup>+13</sup>, LS13, LLL15, LLC<sup>+15</sup>,  
 LLZ<sup>+17</sup>, LSG<sup>+18</sup>, LCwW10, LBWH11,  
 LP13b, LPW10, LKLT12, LCH13, LHH14a,  
 LFJ<sup>+13</sup>, LTW<sup>+12</sup>, LHYZ13, LCCJ13,  
 LRY<sup>+15</sup>, LLW<sup>+17</sup>, LZZ<sup>+17b</sup>, LMB17,  
 LYJ<sup>+18</sup>, LLD19, LJ15, LZS<sup>+13</sup>, LLHC15,  
 LSG<sup>+15</sup>, LSGZ16, LB15b, LSXP14, LGF<sup>+15</sup>,  
 MLW12, MGdC<sup>+18</sup>, MSPK12, MM16,  
 MMCS18, MFT<sup>+17</sup>, MTFK19, MFG16,  
 MMAC19, MLE14, MB16, MSKRJ17, ML16,  
 MH19, NZLK14, OCK17, OGH<sup>+14</sup>, OWP16,  
 OKD<sup>+16</sup>, PN16, PCHS17, PCHS18, PAP13,  
 PTD<sup>+12</sup>, PB11, Pom12d, Pom15a, Pom16a,  
 PROM15, PMH<sup>+14</sup>, PdG13, RVL<sup>+14</sup>,  
 RVH<sup>+16</sup>, RZZ<sup>+15</sup>, RKR15, RTRM19,  
 RZPX19]. **Based**  
 [RBMO11, RC14, ROGHNB<sup>+18</sup>, RM15c,  
 RJV<sup>+18</sup>, SMP16, SMCN18, SKEB18, SBB18,  
 SC18, SBP16, SDP<sup>+12</sup>, SCZ<sup>+16</sup>, SX12,  
 SLC15a, SZG<sup>+18</sup>, SL10, SKM14, SNM16,  
 SKM<sup>+13</sup>, STK16, SBMP18, TJH<sup>+15</sup>, TB15,  
 TWTT11, TIHM18, THM<sup>+14</sup>, TGNCS11,  
 TAM<sup>+16</sup>, TKT16, USP<sup>+13</sup>, VCSG<sup>+19</sup>,

VSF<sup>+17</sup>, WF12, WL13, WXW<sup>+14</sup>, WLC<sup>+15</sup>, WHZ<sup>+15</sup>, WWY<sup>+16</sup>, WW16, WTZ<sup>+19</sup>, WCL<sup>+18</sup>, WLM15, WW14, WZCG16, WLS18, WLG<sup>+19</sup>, WZW<sup>+19</sup>, XAYL15, XJFH15, XCF16, XMH13, XLX<sup>+14</sup>, XKT<sup>+15</sup>, XJW<sup>+16</sup>, XHX<sup>+17</sup>, YLGE14, YW12, Yan14, YLGD19, YSZ<sup>+14</sup>, YTD<sup>+17</sup>, YYC12, YLH13, YLA<sup>+15</sup>, Yun12, ZSP<sup>+19</sup>, ZZ17, ZPM<sup>+15</sup>, ZLY15, ZOK<sup>+19</sup>, ZC13, ZM10, ZHW15, ZYY18, ZXX<sup>+14</sup>, ZCYX15, ZLYS15, JJZ<sup>+16</sup>. **Based-Encryption** [ZHW15]. **BasedX** [KCY18]. **Bases** [ABH<sup>+13</sup>, ARM13, ERM16, MH15]. **Basic** [APP12]. **Basis** [AH10, CLL<sup>+14</sup>, CCR<sup>+17</sup>, DJA14, ERRMG15, Fan16, Gio12, HF15, KEK16, LLCH13, NWA11, NWA12, RM15b, RMERM19]. **Bayesian** [WP16]. **BC** [YL14, ZWC13]. **BCD** [CDL<sup>+17</sup>, VAB14]. **BDDs** [FLS16]. **Be** [HLC<sup>+19</sup>, LOC<sup>+16</sup>]. **Beaconless** [RS13]. **Beginning** [Ano10f]. **Behavior** [DEE17, QQW<sup>+17</sup>, SB10, SIB13]. **Behavioral** [SBH11]. **Belief** [ACGP13]. **Belief-Propagation-Assisted** [ACGP13]. **Belt** [WXLL13, WXLY15, WCLY16, XLW14]. **Benchmark** [DSKH15]. **Benchmarking** [YLY15b]. **Berlekamp** [Red14]. **Bernstein** [MRD19]. **Best** [RMB<sup>+13</sup>]. **Better** [FP19, ZZL14]. **Between** [ADJG19, LK18, ADOKM10, BLMM16, CT13, GHK15, HXL11, LYL<sup>+19</sup>, PR10, RWZZ14, SCJ<sup>+16b</sup>]. **Beyond** [BK12, CA12a, IPS17]. **Bi** [ML18]. **Bi-Objective** [ML18]. **Bias** [LVMS18]. **Bias-Variance** [LVMS18]. **Biased** [SMK<sup>+16</sup>, USH19]. **Bidirectional** [ZHM14]. **BiFI** [SBMP18]. **Big** [CLOL18, GZG<sup>+16</sup>, JYL<sup>+17</sup>, KTAvdS16, KLC18, KRP18, KYZC19, LRY<sup>+15</sup>, MSG14, UMN18, WNCH17, ZDP<sup>+15</sup>, ZYC16]. **Big-Data** [KTAvdS16]. **Bin** [SXCL14]. **Binary** [ADI11, APP12, AK14, BNP10, BT16, BZ14, BLMM16, CNH13, CHN14, CJSM17, CLC<sup>+16</sup>, FP19, FNS16, GNTS13, GBF<sup>+19</sup>, HRM11, HN11, HMNN12, Ima18, JDA15, LCY<sup>+19</sup>, MBF18, NL15a, TGNSC11, WF17]. **Binary-Ternary** [ADI11, BT16]. **Binary-to-Decimal** [BZ14]. **Binary/Decimal** [WF17]. **Binary128** [HMS<sup>+12</sup>]. **Binary64** [Nan16]. **Binning** [GKC19, OPV<sup>+17</sup>]. **Bio** [PBL16]. **Bio-Inspired** [PBL16]. **BioAura** [MSKRJ17]. **Bioinformatics** [WZZ10]. **Biological** [BCMJ10, SKPK10]. **Biology** [LSZ<sup>+15</sup>]. **Biology-Inspired** [LSZ<sup>+15</sup>]. **Biomass** [CKN14]. **Biomedical** [BBB<sup>+17</sup>]. **Biophysically** [ZMR<sup>+13</sup>]. **BIRDS** [YXZZ14]. **Bisection** [LZ14]. **Bistatic** [WCLY16]. **Bit** [ARM16, CCH<sup>+15a</sup>, CK15, Fan16, GRM16, GV14, GM12, Ima18, Jes15, LAAM11, LLQ<sup>+14</sup>, PCZB11, RLRL19, SKZS13, SMK<sup>+16</sup>, WNKL16, YFJ<sup>+14</sup>, YUGD14, Zot10]. **Bit-Level** [ARM16]. **Bit-Parallel** [Fan16, Ima18]. **Bit-Slice** [Zot10]. **Bit-Stuffing** [CCH<sup>+15a</sup>]. **Bit-Width** [CK15, LAAM11]. **Bits** [FKMK16, NL18, NM10, RXC<sup>+15</sup>]. **Bitstream** [SBMP18]. **Bivariate** [JKMR11]. **Blackbox** [TIHM18]. **BLAKE** [GV14]. **BLAKE-512-Based** [GV14]. **Block** [BFMT16, CHN14, CQW<sup>+15</sup>, CCY<sup>+16</sup>, GWM<sup>+17</sup>, HMNN12, JC12, JW16, KKJH19, LK15a, LYK19, PCHS17, PDJ<sup>+19</sup>, SNY<sup>+10</sup>, SZG<sup>+18</sup>, TMS<sup>+14</sup>, TCYH15, WLC<sup>+15</sup>, WZK<sup>+19</sup>, WLG<sup>+19</sup>, YSZ<sup>+14</sup>]. **Block-Based** [WLC<sup>+15</sup>, WLG<sup>+19</sup>, YSZ<sup>+14</sup>]. **Block-Level** [CQW<sup>+15</sup>, GWM<sup>+17</sup>]. **Block-Mapped** [SNY<sup>+10</sup>]. **Block-Precise** [LK15a]. **Blocking** [DVUS14, HWE<sup>+16</sup>, SRR<sup>+16</sup>]. **Blocks** [CRG<sup>+13</sup>, MCM16, RPM16, SKM<sup>+13</sup>]. **Bloom** [ADC11, HXVF12, LLLP14, ML16, PO13, QZC15, SMRML17, YM11]. **Blue** [WGW<sup>+15</sup>]. **Bluetooth** [HWK15]. **Board** [Zom12a]. **Boards** [BC16]. **Boolean** [BCTV15, BCTV19, FD16, GBA18a,



TSA<sup>+</sup>19, ZYHZ16]. **Boost** [CVPS19, LKK<sup>+</sup>19, SSW12]. **Boosted** [LDP10]. **Boosting** [CCL<sup>+</sup>18, KAH18b, ZLLX15, khR<sup>+</sup>18]. **Booth** [JHQL16, LQW<sup>+</sup>17, VALK19]. **Booting** [Cha14]. **Borrowing** [CCAM14]. **Both** [LXW<sup>+</sup>19, WHC<sup>+</sup>15b, ZHM<sup>+</sup>19]. **Bound** [BMT14, Bin15, Fuj11, WLZ10]. **Boundary** [LKLT12]. **Boundary-Recognition-Free** [LKLT12]. **Bounded** [CCK10, HRK17, SC18, XXBL17, XLW14, ZY12]. **Bounding** [Fuj11]. **Bounds** [FJA<sup>+</sup>17, FS10, HCCG10, ISC15, MRD19, RMB<sup>+</sup>13, ST18a, Tse12, TKL<sup>+</sup>14, YLH10]. **Box** [BTBB14, MKRM11, SWF<sup>+</sup>19]. **Boxes** [MM17, ST18a]. **BPR** [YKK<sup>+</sup>15]. **Branch** [BMT14, DEE17, Fuj11]. **Branch-and-Bound** [Fuj11]. **Branching** [STR15]. **Breakpoint** [MSPK12]. **Breakthrough** [CVGZ15]. **Bridging** [FD16, TLL12]. **Brief** [Liu11]. **Broadcast** [BS14, GYC<sup>+</sup>16, KDEV19, KH10, LTP<sup>+</sup>14, LWF13, PSM17, QSYS16, WXS12, WQZ<sup>+</sup>16, XJW<sup>+</sup>16, ZGY13, ZHW15]. **Broadcasting** [KS10a, YMTV14]. **Broadcasts** [LK15a]. **Broadside** [Pom12c, Pom12b, Pom13a, Pom13b, Pom14, Pom15a, Pom16a]. **Brokerage** [CWTT13, LKLT12]. **Bruijn** [MG16, YMAG17]. **BRW** [CMLRHS13]. **BSM** [YMTV14]. **BTI** [GBA18a]. **BTI-Induced** [GBA18a]. **Bubble** [MWLJ15, WSL<sup>+</sup>18]. **Buddy** [PCLN15]. **Budget** [AF14]. **Budgeting** [PKC<sup>+</sup>17, WZM<sup>+</sup>16, WSL<sup>+</sup>18, WTZ<sup>+</sup>19, ZR15a]. **Buffer** [Ano13f, CLZ19, LSK13, LKLM15, LKBS16, MBD11, MD13, MBGS10, OGH<sup>+</sup>14, PPND17, WW16, OGH<sup>+</sup>14]. **Buffer-Aware** [LSK13]. **Bufferless** [KC14, ZGY14]. **Buffers** [CVMA10, DKLB15, HGCT13]. **Bugs** [FM19, ZYW<sup>+</sup>16]. **Build** [PDXZ13, WSXZ13]. **Building** [AHNT16, AVS<sup>+</sup>14, LFH<sup>+</sup>16, LZZ<sup>+</sup>17b, SWZG15, TMS<sup>+</sup>14]. **Building-Block** [TMS<sup>+</sup>14]. **Buildings** [WZY16]. **Built** [AK16, LLW<sup>+</sup>17, Pom14]. **Built-In** [AK16, Pom14]. **Built-Off** [LLW<sup>+</sup>17]. **Bulk** [SBI12, YZH<sup>+</sup>15, ZWD<sup>+</sup>16]. **Bullet** [Ano10g]. **Burst** [HXVQ15, NL15b, NL16a, RV13, ASE17]. **Burstiness** [CMS10]. **Bus** [CYA13, EE17, HHLK12, RVL<sup>+</sup>14]. **Bus-Based** [CYA13]. **Buses** [BPC12, ST12]. **Buy** [SBI12]. **Buy-at-Bulk** [SBI12]. **BWLOCK** [YAGB17]. **By-Passing** [YKK<sup>+</sup>15]. **Bypass** [KRP18, MMB14]. **Bypassing** [PSND16, SZL<sup>+</sup>16]. **Byte** [CCC<sup>+</sup>18, RV13, SBB18]. **Byte-addressable** [CCC<sup>+</sup>18]. **Byzantine** [DCK16, KDEV19, LLKA19, VCB<sup>+</sup>13]. **Byzantine-Resilient** [KDEV19]. **ByzCast** [KDEV19].

**C** [CZS<sup>+</sup>19, KLJ<sup>+</sup>14, MF14, RWC18]. **C-Lock** [KLJ<sup>+</sup>14]. **C1G2** [SDZ15]. **CA** [SBB18]. **CA-Based** [SBB18]. **CABA** [MSKRJ17]. **CABE** [XHX<sup>+</sup>17]. **CACC** [CWX<sup>+</sup>14]. **Cache** [AK19, AYC16, ACW<sup>+</sup>11, AGFM11, ADC11, BLN<sup>+</sup>15, CVPS19, CWX<sup>+</sup>14, CDQB15, CYCC11, CA12b, CKD<sup>+</sup>17, CLCS19, DPS11, DW10, EF12, FSGAB<sup>+</sup>16, GKD<sup>+</sup>17, GGFP15, HHM11, HK16, HK17, HK15b, HZX<sup>+</sup>14, IPS17, JAKD18, JSC<sup>+</sup>19, JZLD10, JKY10, KIJ14, KSEG15, KS14, KLK17, KCL19, KASZ13, KKC15b, KAQC14, KA19, LYH11, LKJ15, LK15b, LWKA15, LKLM15, LKBS16, LHL<sup>+</sup>15a, LZZ16, LCLC19, MWLJ15, MHK15, MAD14, MMAC19, OOD<sup>+</sup>17, PBV11, PCZB11, RM15a, RCFP<sup>+</sup>12, RXC<sup>+</sup>15, SV18, SZZ<sup>+</sup>19, SYK14, SZL<sup>+</sup>16, TAH<sup>+</sup>16, VKS<sup>+</sup>16, VYEB17, WMW12, WLT<sup>+</sup>16, YMG15, ZGR13, ZDYZ13, ZDYZ14, KMC17]. **Cache-Aware** [IPS17]. **Cache-Based** [DW10, KASZ13, MMAC19]. **Cache-Coherent** [MWLJ15]. **Cache-Enabled** [LZZ16]. **Caches**

[AVG<sup>+15</sup>, CXLL16, CFMA19, CRG<sup>+13</sup>, FKMK16, HWZ<sup>+17</sup>, KIJ14, LLX<sup>+17</sup>, MD16, MUMB11, VPS<sup>+12</sup>, VSLD15, ZJS14].

**Caching** [CDQB15, HK15b, KJL11, KRP18, LOH17, MCC12]. **CaCo** [ZWW<sup>+16</sup>]. **CAIF** [SDP<sup>+15</sup>]. **Calculating** [WLG<sup>+19</sup>].

**Calculation** [GPN11, SV18]. **Calibration** [DAPS14]. **Call** [Ano10c, Ano11c, Ano11d, Ano11e, Ano11f, Ano13d, CH14]. **CAM** [FAK16]. **Camera** [YASS14]. **Can** [HLC<sup>+19</sup>, YGS15]. **Candidate** [Pom16b].

**Capabilities** [WJX<sup>+19</sup>]. **Capability** [ABSK15]. **Capable** [LYH11]. **Capacitance** [FM16]. **Capacitated** [LSX13]. **Capacitive** [YEY<sup>+16</sup>]. **Capacitor** [CLZ19].

**Capacitor-Powered** [CLZ19]. **Capacity** [CMS10, LK14, NZLK14, OP15, PDXZ13, SRCbL<sup>+15</sup>, WJL<sup>+12</sup>, WJL<sup>+14</sup>, WLYY16, XHLW19, YCKH16, ZJS14].

**Capacity-Based** [NZLK14].

**Capacity-Independent** [YCKH16].

**Capital** [ZMW15]. **Cards** [AVS<sup>+14</sup>]. **Carlo** [KN13, ZOD13]. **Carry** [DHM16, KT19, Lee17]. **Carry-In** [Lee17].

**Carry-Save** [DHM16]. **Cascaded** [CHC<sup>+15</sup>, JWC12]. **Cascading** [HWSN15].

**Case** [AR17, BBK10, CCLH10, DZ10, FS10, HHC<sup>+18</sup>, RCRK13, SD14, UVG16, VIDH19, WZLX12, WJL<sup>+14</sup>, WRW16]. **Categorical** [PZZQ19]. **Cauchy** [CJK15, ZWW<sup>+16</sup>].

**Caused** [HWK15]. **Cayley** [LGF<sup>+15</sup>]. **CC** [RBG<sup>+19</sup>]. **CCA2** [GV14]. **CCLS** [LCW<sup>+15</sup>]. **CD** [ZMW<sup>+19</sup>]. **CD-Xbar** [ZMW<sup>+19</sup>]. **CDP** [YCL<sup>+12</sup>]. **CDT** [AMR18]. **CDT-Based** [AMR18]. **CEDA** [VA11]. **Cell** [ALBP14, ASS<sup>+18</sup>, KO14, NL19, ST16, WZL<sup>+17</sup>, ZZX<sup>+15</sup>]. **Cells** [ACM<sup>+16</sup>, CJK19, Li12a, PRM19]. **Cellular** [KKS14, MSK15, YZH<sup>+15</sup>]. **Center** [GWMB13, GY15a, GY15b, HLJ14, JRS<sup>+15</sup>, LXL<sup>+14</sup>, LW15, LSHC15, SLZX15, ZWH<sup>+15</sup>, ZMW15]. **Centers** [AQPMS15, CLS14, CPL17, GZB<sup>+15</sup>, GZG<sup>+16</sup>, GCL<sup>+13</sup>, JSE14, LGF<sup>+15</sup>, Man16, PAP13, SMTK12, SHH<sup>+16</sup>, WJM15, XLF15, YHT<sup>+16</sup>, ZR15a].

**Centralized** [AD12]. **Centralizing** [HPR16]. **Centric** [BQP<sup>+16</sup>, DJO11, HWX15, LOH17, SLC<sup>+15b</sup>, WZZ10, WLT<sup>+16</sup>, YPB<sup>+16</sup>].

**Certification** [Ano10d, Ano10e]. **Certified** [LB15b, MRD19]. **Certifying** [dDLM11].

**CGRAs** [JDA<sup>+16</sup>]. **Chain** [KCY18, MTFK19, QZL<sup>+16</sup>, TLL12, ZOD13].

**Chained** [IRMM<sup>+16</sup>]. **Chains** [JDA15].

**Challenges** [Jun16]. **Change** [DY14, JSC<sup>+19</sup>, LYB15, LKK<sup>+19</sup>, NL19, PLM16, PP11, QML<sup>+15</sup>, WSXZ13, ZZYZ14].

**Channel** [Bar16, BMZ17, BK12, CWZ13, CSS13, CYC11, CATB19, DP13, DKLb15, GYC<sup>+16</sup>, HMZ<sup>+14</sup>, HLY14, KASZ13, LGH15, LWY15, LFJ<sup>+13</sup>, LLW<sup>+17</sup>, LJL13, NDC<sup>+13</sup>, RBG<sup>+19</sup>, SKZS13, SMB<sup>+15</sup>, STE17, SPTC15, WJL<sup>+12</sup>, XWL<sup>+16a</sup>, YMTV14, ZMB18]. **Channel-Based** [LLW<sup>+17</sup>]. **Channel-Diverse** [LWY15].

**Channel-Hopping** [LWY15]. **Channels** [AP14, Cao12, KW14, LMB<sup>+16</sup>]. **Character** [LPCW14]. **Character-Set** [LPCW14].

**Characterising** [HT16]. **Characteristic** [AK16, BDE<sup>+11</sup>, LSG<sup>+18</sup>, NR15].

**Characteristics** [HMZ<sup>+14</sup>, LHL15b, VED<sup>+16</sup>].

**Characterization** [DGC<sup>+15</sup>, HWSN15, SKC<sup>+14</sup>, TAH<sup>+16</sup>, ZLH<sup>+15</sup>].

**Characterizing** [DEE17, IS14, LLLJ13].

**Charge** [CCL<sup>+18</sup>, NL15a]. **Charging** [ZWL15]. **Chasing** [LKLM15]. **Chebyshev** [PCHS14, ACO12, Gio12, LCwW10, LPW10].

**Checking** [CYHC14, FLS16, GCLC11, HSH<sup>+10</sup>, HMC11, LYY16, LH12b, NS13, SP10, Sri10, WNCH17, XXBL17, ZYY10, ZZM<sup>+15</sup>, CTS13]. **Checkpoint** [BTW13, KwPK<sup>+15</sup>, LL11, LSA<sup>+17</sup>].

**Checkpoint/Restart** [LL11].

**Checkpointing** [BCL<sup>+17</sup>, ECJ<sup>+16</sup>, HC13a, HCC<sup>+18</sup>, JT15, LXDV17, SD13, ZYL15].

**Checkpointing/Restart** [ZYL15]. **Checks** [GBGI18]. **Checksums** [NC11, Red18].

**CHERI** [WJX<sup>+</sup>19]. **Chief** [Lou19, Mon15a, Mon19]. **Chinese** [Fan16].  
**Chip** [ABB17, Ano11d, Ano11f, ARS16, BKH<sup>+</sup>13, BPT10, CKKS14, CHC<sup>+</sup>15, CCE<sup>+</sup>18, CNJ14, CDK<sup>+</sup>18, CRK10, DMXY14, DAS14, DKLB15, DKG13, EDL<sup>+</sup>14, EYBK15, FBWMM13, FTP13, GCD<sup>+</sup>11, GC14, HMD<sup>+</sup>17, HJBM14, HCSW15, HWE<sup>+</sup>16, JKY10, JJZ<sup>+</sup>16, JWC12, JRC14, KC14, KSEG15, KK10, KLK<sup>+</sup>14, KGGJ14, KLC<sup>+</sup>16, KKY<sup>+</sup>16, KCL<sup>+</sup>16, KH14, LKS<sup>+</sup>14, LMJ14, LLX<sup>+</sup>17, LYJ<sup>+</sup>18, LKMSA16, MWW14, MNFA14, MMCS18, MKAY11, MD13, MKLW14, NVB16, OHCK17, PVKA14, PSND16, RMB<sup>+</sup>13, RVC<sup>+</sup>15, RRS<sup>+</sup>16, RKZ16, SKPK10, SDE<sup>+</sup>17, SRR<sup>+</sup>16, SIVH16, SMN<sup>+</sup>17, SC11, ST17, ST18b, STK16, VYEB18, VCG<sup>+</sup>12, WMW12, WXW<sup>+</sup>14, WWM16, WZM<sup>+</sup>16, WWT<sup>+</sup>18, WEH<sup>+</sup>19, WZCG16, WLS18, XCF16, YMK<sup>+</sup>17, YYC12, ZNL18, ZGY13, ZCY<sup>+</sup>16, ZMS13].  
**Chip-Level** [KLC<sup>+</sup>16].  
**Chip-Multiprocessor** [KGGJ14].  
**Chip-Multiprocessors** [FBWMM13, LMJ14]. **Chips** [BMM11, TW10, YCK16, YLGD19].  
**Chunking** [WLM15, ZFJ<sup>+</sup>17]. **CICQ** [JPLP13]. **Cipher** [BFMT16, CMLS15, GCS<sup>+</sup>13, HZ11, LYK19, ZAG19]. **Ciphers** [KE19, PDJ<sup>+</sup>19]. **Ciphertext** [ZHW15].  
**Ciphertext-Policy** [ZHW15]. **Ciphertexts** [WQZ<sup>+</sup>16]. **Circuit** [CSS13, CCAM14, FNS16, JLLH19, LJ15, MCT19, NCD<sup>+</sup>17, NZ15, PSL17, RMKR12, YUGD14].  
**Circuits** [AO12b, BCTV15, CL10, CPRH16, DSR15, FM19, FP19, FFL18, GM15, GM12, ISC15, KMM16, LB15a, LHL13a, MVB10, MBF18, NLRB17, NI11, SRCK10, UHSA17, WMG18].  
**Circulant** [IRMM<sup>+</sup>16]. **Circulants** [KP13].  
**Circular** [HK15b]. **City** [DHC<sup>+</sup>16, LDMQ16, WHBR16].  
**Clairvoyant** [ZQZ<sup>+</sup>19]. **ClamAV** [OWP16].  
**Class** [RLRL19]. **Classes** [ZYHZ16].  
**Classification** [BBH12, CXZ13, CW15, CW16, LMJ14, OPZ15, SDP<sup>+</sup>15, ST11b, WP16, YFJ<sup>+</sup>14].  
**Classified** [HY12]. **Classifier** [YM11].  
**Classifiers** [BMS12, BSS14, BSS15, KGV16].  
**Cleancache** [VTW16]. **Client** [BSM<sup>+</sup>14, MAG<sup>+</sup>17]. **Client-Side** [MAG<sup>+</sup>17]. **Client/Server** [BSM<sup>+</sup>14].  
**Clients** [GY14]. **Clifford** [FGS<sup>+</sup>13, KMM16]. **CLIM** [JRJ<sup>+</sup>18].  
**Clock** [KAH18a, MOMT12, NL14, PPND17, Yam10, CXLL16, LBN14]. **CLOCK-DWF** [LBN14]. **Clocking** [NLRB17]. **Clockless** [BDDL18]. **Clos** [KC14, HMD<sup>+</sup>17]. **Closed** [KGC14]. **Closed-Loop** [KGC14]. **Closer** [Jun16]. **Cloud** [BDL<sup>+</sup>13, CLX14, CHLT14, CXYC16, CLW16b, DKW15, EFPC16, FLL14, GSG<sup>+</sup>15, HLJ14, HLF14, JSE14, JCM16, KKJH19, LLC<sup>+</sup>15, LYY16, LLXC16, LHH14a, LSL15, LRY<sup>+</sup>15, LLS<sup>+</sup>16, MSG14, Man16, MJWT16, MLOL15, ML13, PLP<sup>+</sup>13, PSM17, PR14, QML<sup>+</sup>15, RSNK17, SXCL14, SZW<sup>+</sup>16, SHH<sup>+</sup>16, TLH<sup>+</sup>16, VP14, WCW<sup>+</sup>13, WCH<sup>+</sup>15, WLK15, WRW16, XL16, XLL<sup>+</sup>14, XJW<sup>+</sup>16, XLJ16, YCCJ15, YCLH16, YTD<sup>+</sup>17, YLY15b, YLA<sup>+</sup>15, ZDP<sup>+</sup>15, ZLY15, ZWW<sup>+</sup>16, ZJL<sup>+</sup>16, ZYC16, ZLX<sup>+</sup>16, ZL16, ZL18, ZWC<sup>+</sup>18, ZGWC15, ZLYS15, Avr13, CSPC12].  
**Cloud-Based** [LHH14a]. **Cloud-of-Clouds** [CHLT14]. **CloudGenius** [MRW<sup>+</sup>15].  
**Cloudlets** [RSN<sup>+</sup>18]. **CloudMon** [WLLZ16]. **Clouds** [ALZ16, CLS14, CHLT14, GHL17, JT15, MNGV16, MRW<sup>+</sup>15, VP14, WBZ<sup>+</sup>15, WZL15, WLLZ16, ZCYX15]. **CLU** [ZJS14].  
**Cluster** [LTVL15, QWB<sup>+</sup>13, WZK<sup>+</sup>19, YZHX12].  
**Clustered** [AD12, BPG16, GSL10, USP<sup>+</sup>13, Yan14].  
**ClusterFetch** [RLSK18]. **Clustering** [LCL15, PZZQ19, RD18, SH12].  
**Clusterized** [GBO<sup>+</sup>16]. **Clusters**

[ALZ16, CLOL18, DMK<sup>+15</sup>, HV14b, HQLX15, LZ15, ML18, MRW<sup>+15</sup>, QJM<sup>+10</sup>, ZQQ11, ZMRQ11]. **CMOL** [ALW11]. **CMOS** [DCY<sup>+13</sup>, PN16, SB16, SRCK10, WWY<sup>+16</sup>, ZCW18]. **CMOS-Compatible** [DCY<sup>+13</sup>]. **CMOS-Type** [ZCW18]. **CMP** [IB10, WSZ<sup>+16</sup>]. **CMPs** [BGM<sup>+13</sup>, FAA10, GFAM11, JAKD18]. **CNN** [LJG<sup>+19</sup>]. **cNV** [WWY<sup>+16</sup>]. **Co** [CI16, LH16, LDL<sup>+17</sup>, MBD<sup>+17</sup>, MRL<sup>+18</sup>, MAHD18, SPTC15, ZJS14]. **Co-Channel** [SPTC15]. **Co-Design** [LH16, MRL<sup>+18</sup>]. **Co-Optimizing** [ZJS14]. **Co-Scheduling** [LDL<sup>+17</sup>, MBD<sup>+17</sup>, MAHD18]. **Co-Transformation** [CI16]. **Coalescing** [WZK<sup>+19</sup>]. **Coarse** [JLKR19]. **Coarse-Grained** [JLKR19]. **Code** [ADJG19, AFH<sup>+10</sup>, BKH<sup>+13</sup>, CJ12, DLC<sup>+13</sup>, EKJ<sup>+10</sup>, FKMK16, FSL<sup>+17</sup>, HT12, KSN<sup>+15</sup>, NL18, OGPk14, PLM16, SWWC11, VGF16, XLX<sup>+14</sup>, YLP15, ZXX<sup>+14</sup>]. **Codec** [SBB18]. **Coded** [HQLX15, LS10a, TYY<sup>+16</sup>, ZLLX15]. **Codes** [ABA07, CDL<sup>+17</sup>, DRM16, EBE13, HHKW12, HC17, HBAD14, Jha13, KW14, KLLK11, LSXP14, MNK11, NL15a, NL15b, NL16a, NL16b, PROM15, RV13, Red14, Red19, RLRL19, SEY14, TW10, VAB14, YCW11, YW12]. **Codesign** [PvdGG12, PGvdG14]. **Coding** [BBH12, CHLT14, CXYC16, CJ13, LCLL15, LLL15, LLZ<sup>+17</sup>, NL19, SSKL16, SRK<sup>+17</sup>, SZG<sup>+18</sup>, TYY<sup>+16</sup>, YY14, YCK10, ZWW<sup>+16</sup>, Kim15]. **Coding-Based** [LLZ<sup>+17</sup>]. **Coefficient** [ADJG19]. **Coexistence** [AVG<sup>+15</sup>, HWK15]. **Coflow** [ZWL<sup>+19</sup>]. **Cognitive** [BBVL14, YCCWC15]. **Cognizant** [KMJ<sup>+11</sup>]. **Coherence** [AVG<sup>+15</sup>, ADC11, FBWMM13, GGFPG15, KSEG15, LHH17, RCFP<sup>+12</sup>, ST17, VYEB17, YRG13]. **Coherent** [MWLJ15]. **Cold** [LXJD15]. **Collaborative** [ZWL15, ZLYS15]. **Collapsing** [PR10]. **Collection** [CW10, DSW<sup>+14</sup>, LSK13, LWW11, LDMQ16, LTW<sup>+12</sup>, RLX15, UMN18]. **Collections** [CYJ<sup>+10</sup>]. **Collective** [HWS<sup>+17</sup>]. **Collectors** [ZMY11]. **Collision** [BK12, CWZ13, MMP13]. **Collocated** [HWK15]. **Collusion** [LSS13, RVH<sup>+16</sup>]. **Colony** [HCSW15]. **Column** [LW17, LXW<sup>+19</sup>]. **Column-Based** [LW17]. **Combat** [LSS13]. **Combined** [BK12, Jes15, PDJ<sup>+19</sup>, SMRM17, WF17, WE12]. **Combining** [SLL15]. **COMeT** [RCC14]. **Command** [GCAG16]. **Comment** [GJ15, LCLL15, SCNS10, Tho12]. **Comments** [HWG<sup>+14</sup>, Jha13, Kim15, Lee12, PCHS14, PCHS16, RM15b, ZM10]. **Commercial** [NY15, NYHB16]. **Commit** [HPR16, JLKR19]. **Commits** [HPR16]. **Commodity** [CJA<sup>+16</sup>, RTL<sup>+18</sup>]. **Common** [Pom12c]. **Communication** [AKTB18, BR13, BS16, CCM14, CWF14, CCW<sup>+10</sup>, CDK<sup>+18</sup>, DYHX16, GZG<sup>+16</sup>, HXL11, KW14, KGP15, LHH14b, MTFK19, MAHD18, QJM<sup>+10</sup>, RS13, SXLC15, SMN<sup>+17</sup>, VECD13, VYEB17, WLQS13, XWL<sup>+16a</sup>, YMT13, ZHW<sup>+16</sup>]. **Communication-Aware** [QJM<sup>+10</sup>]. **Communications** [CWY13, LGH15, LT15, SSKL16]. **Community** [FLJ14, LDB<sup>+17</sup>, XAYL15, XWH14]. **Community-Aware** [XWH14]. **Community-Based** [XAYL15]. **Compact** [CCC15, CJK15, OMFH14, SBB18, SVAB14, YP12]. **Compaction** [Pom12d, Pom15c, RPM16]. **Comparable** [WHZ<sup>+15</sup>, XHX<sup>+17</sup>]. **Comparative** [AE11, HMA<sup>+10</sup>]. **Comparing** [Hie13]. **Comparison** [BLMM16, CCH15b, CCLH10, HK13b, Li12a, PTD<sup>+12</sup>, YLL16]. **Comparisons** [CGT<sup>+15</sup>]. **Compatibility** [LTP<sup>+14</sup>]. **Compatible** [DCY<sup>+13</sup>, WWY<sup>+16</sup>]. **Competes** [CI16]. **Competition** [FLL14]. **Competitive** [MFG16, MFG14]. **Compilation** [LK10].

**Compiler** [LHL<sup>+</sup>15a, MB12a, OKC13].  
**Compiler-Assisted** [LHL<sup>+</sup>15a].  
**Compiler-Directed** [OKC13].  
**Complement** [LAAM11].  
**Complementary** [Bai17]. **Complete** [AGCD16, BS14, BJ12]. **Completely** [LLM<sup>+</sup>15]. **Completeness** [KLT16, SP10].  
**Complex** [AC11, BC16, PRBM13, SZW<sup>+</sup>16, WE12, WEX14, XLS<sup>+</sup>12]. **Complexity** [AH10, AO12b, ADOKM10, ARM13, BNP10, BTW13, CHN14, GNSR14, HN11, HMNN12, JCK15, KCRG14, LWW11, OPAGS14, PCHS17, PCHS18, PRBM13, PSL17, WTY<sup>+</sup>14, WS10, ZM10].  
**Complexity-Effective** [KCRG14].  
**Component** [CH11, CH13, FEM<sup>+</sup>18].  
**Component-Composition** [CH11, CH13].  
**Components** [FS10, MF14].  
**Composability** [GRL<sup>+</sup>14]. **Composing** [LTLC12]. **Composite** [DKW15, LPD<sup>+</sup>16, MKRM11, ZL19, ZM10].  
**Composited** [MG16, YMAG17].  
**Composition** [AK15, CT13, CH11, CH13, LH12a, LSSE15, SKPC15, SMCN18].  
**Compositional** [VYEB18, ZZM<sup>+</sup>15].  
**Compound** [SX12]. **Comprehensive** [BGPV10, DZLP14, TAH<sup>+</sup>16]. **Compressed** [BLN<sup>+</sup>15, LKK<sup>+</sup>17, LVJ16, ST17, WJX<sup>+</sup>19].  
**Compressing** [PBV11]. **Compression** [AKL18, DN11, DY12, Ged14, HL10b, JSA17, KO14, KWC<sup>+</sup>16, KN11b, LYH11, LKK<sup>+</sup>17, XDZ11, ZSP<sup>+</sup>19, ZLW<sup>+</sup>17, ZWL<sup>+</sup>19, dRV12].  
**Compression-Induced** [KWC<sup>+</sup>16].  
**Compressor** [KK18]. **Compressors** [MHML15]. **Computable** [LGH<sup>+</sup>17].  
**Computation** [ARM15, AK16, ARH14, AAR19, AH10, BG12, BBVL14, CLW<sup>+</sup>16a, CCR<sup>+</sup>17, CND<sup>+</sup>18, CATB19, DNSS11, GRM16, HSH<sup>+</sup>10, HXL11, HC17, HLF14, KW14, KLLM12, LAAM11, LLQ<sup>+</sup>14, LQD<sup>+</sup>16, LJ13, LJVJ18, MTFK19, MAHD18, Pom12c, QLR<sup>+</sup>11, RS17, Rus13, TX16, TM18, THGT13, WRW16, XP10, XYHD17, YZHX12, YCCJ15, YLGD19, ZYC16].  
**Computational** [BR13, CC16, CFW14, DFP<sup>+</sup>13, FTP13, HCL<sup>+</sup>14, HMZ<sup>+</sup>14, KN11a, LLW<sup>+</sup>18, MOS14, RMC<sup>+</sup>15, SH12].  
**Computations** [HTA17, KHPP16, RT14, WL13]. **Compute** [DS14, WGR<sup>+</sup>14]. **Compute-Intensive** [WGR<sup>+</sup>14]. **Computer** [Ano10c, Ano10d, Ano10e, Ano10b, Ano11e, AHI12, BCS11, BdD19, GM11, HMO<sup>+</sup>17, LNCX18, MFT<sup>+</sup>17, MOS14, NST14, NVB16, SLPB18, TJH<sup>+</sup>15, TSK16, Yam10, YMG15].  
**Computers** [Ano11g, Ano11h, BD15, CGT<sup>+</sup>15, CG18, Li12b, Liu11, Ano15a, Ano16a, Ano17a, BKP16, Ano18a, Ano19a, CHTD19, DPO17].  
**Computing** [AKL18, AXS<sup>+</sup>10, Ano11c, AISA16, BDDL18, CLX14, CHL17, CLOL18, CAGM14, DPO17, EM12, FMTK19, FJA<sup>+</sup>17, GVPS19, HV16, HLA<sup>+</sup>17, IBH<sup>+</sup>13, JAJK15, JKMR11, KFB<sup>+</sup>15, KYZC19, LT14, LXJD15, LLC<sup>+</sup>15, LZZ16, LQW<sup>+</sup>17, LMT13, MSG14, MGdC<sup>+</sup>18, MFT<sup>+</sup>17, MSC12, MLOL15, MCXZ18, PDXZ13, PLP<sup>+</sup>13, PR14, QWB<sup>+</sup>13, RMB<sup>+</sup>13, RSNK17, RSN<sup>+</sup>18, RM15c, RD18, SMTK12, SDMM12, SYD18, SG12, SG13, SCSL12, TLH<sup>+</sup>16, VIDH19, WCH<sup>+</sup>15, WHBR16, WRW16, XTF<sup>+</sup>12, YLA<sup>+</sup>15, ZGG<sup>+</sup>16, ZYHZ16, ZJL<sup>+</sup>16, ZLX<sup>+</sup>16, ZOK<sup>+</sup>19, ZV14, ZLYS15, Ano13d, Ano13c, DPO17].  
**Concatenation** [Pom12a]. **Concentrate** [WJX<sup>+</sup>19]. **Concentrators** [RO11].  
**Concept** [ZZ19]. **Concertina** [FSGAB<sup>+</sup>16].  
**Concise** [LJG<sup>+</sup>19]. **Concrete** [BS14].  
**Concurrency** [RWC18, ZYW<sup>+</sup>16].  
**Concurrent** [BMP<sup>+</sup>10, BPC12, CT13, GRM16, GSX<sup>+</sup>13, GTRMG18, HRM11, KMJ<sup>+</sup>11, KT19, LLL15, MLW12, MKFM13, MG11a, MKRM10, MKRM11, PWTS16, PRBM13, XYHD17, ZYW<sup>+</sup>16, ZCL<sup>+</sup>16, ZZM<sup>+</sup>15].  
**Condition** [YSL16]. **Conditional** [CCH15b, DCCK18, HFZ13, HBCC13,

HK13b, HTC13, LH12a, LKT13, MBB<sup>+17</sup>, MY10, XJW<sup>+16</sup>, ZGW14].

**Conditional-Diagnosis** [CCH15b].

**Conditional-Fault** [LKT13]. **Conditions** [JGG<sup>+14</sup>, KN12, RDEN10, SMB<sup>+15</sup>].

**Confidence** [NL16c]. **Configurable** [CLM<sup>+19</sup>, RSJR17, SKH16, VMB19, WHYS16, vdBGLGL<sup>+16</sup>].

**Configurable-ECC** [CLM<sup>+19</sup>].

**Configurations** [SB16]. **Confirmation** [MTFK19]. **Conflict** [CFL<sup>+18</sup>, RXC<sup>+15</sup>].

**Conformal** [FGS<sup>+15</sup>]. **ConformalALU** [FGS<sup>+15</sup>]. **Congestion**

[BKV12, FBR<sup>+12</sup>, JRW<sup>+14</sup>, JRS<sup>+15</sup>].

**Connected** [Amm14, Ano11i, DSPB13, Gor14, SKEB16, SG12, SG13]. **Connecting** [LY11]. **Connection**

[JWC12, JRC14, SMG14].

**Connection-Aware** [JWC12].

**Connectivity**

[AD10, CTH14, RRS<sup>+16</sup>, YL14, YLA10].

**Connectivity-Guaranteed** [RRS<sup>+16</sup>].

**Conquer** [CK15]. **Conscious** [PB16].

**Consensus** [LLKA19]. **CONSER**

[MBM11]. **Conservation**

[LBWH11, YZHX12]. **Conserving**

[LSL15, SC18]. **Considerations** [BF19].

**Considered** [SL13]. **Considering**

[GSK12, HL10b, LKLM15]. **Consistency**

[AD14, CWX<sup>+14</sup>, HCC<sup>+12</sup>, LXL<sup>+13</sup>,

LCX<sup>+16</sup>, LSGZ16, SLC15a, WHL17,

WFT<sup>+19</sup>]. **Consistent** [BMS12, CLCS19,

RWC18, RBIQ15, SJD<sup>+18</sup>, YWW<sup>+16</sup>].

**Consolidated** [CGJ<sup>+10</sup>, JJK<sup>+11</sup>].

**Consolidation** [MJW<sup>+14</sup>]. **Constant**

[GSF<sup>+10</sup>, KRR<sup>+18</sup>, KHPP16, KHZ17].

**Constant-Time** [KRR<sup>+18</sup>]. **Constants**

[UdDG<sup>+17</sup>]. **Constrained**

[CZP<sup>+16</sup>, FK15, GDY15, KM11, Li12b,

LTVL15, MMH14, SN16, SDP11, TLZV11,

TCHL18, TLGM17, WMW12, WJL<sup>+12</sup>,

XTF<sup>+12</sup>, YZH<sup>+15</sup>, ZHM14]. **Constraints**

[GHK15, GZB<sup>+15</sup>, WLYY16, ZL15].

**Constructing** [ALZ16, GFAM11].

**Construction** [KLT16, MM17, NZC11, SJS10, WCL<sup>+18</sup>, XHX<sup>+17</sup>, ZWX12, ZL19].

**Constructions** [AP14]. **Consumer** [KSEG15]. **Consumption** [AO12a, CGJ<sup>+10</sup>, Dar15, HT12, KLK17, VPS<sup>+12</sup>, Yan14].

**Contact** [WW14]. **Contagion** [KKH<sup>+14</sup>].

**Containers** [CT13]. **Containing** [FFL18].

**Contemporary** [ZZ10]. **Content**

[ALBP14, CWZC13, FSGAB<sup>+16</sup>, KL16, MCC12, MBS<sup>+12</sup>, PO13, SMRM17, SKH16,

THM<sup>+14</sup>, WLT<sup>+16</sup>, WBG19, WLM15,

ZFJ<sup>+17</sup>]. **Content-Addressable**

[ALBP14, SMRM17]. **Content-Aware**

[SKH16]. **Content-Based** [WLM15].

**Content-Centric** [WLT<sup>+16</sup>]. **Contention**

[BD15, BPT10, CA12b, CG18, FJA<sup>+17</sup>,

GGSPM18, KCRG14]. **Contention-Aware**

[GGSPM18]. **Context**

[FFCB14, SRK<sup>+17</sup>, YHML16].

**Context-Awareness** [YHML16].

**Contiguous** [CH14, PKY19]. **Continued**

[Bra10]. **Continuous** [CCV<sup>+11</sup>, MSKRJ17,

RCC14, WXS12, YCL<sup>+12</sup>]. **Contributory**

[WQZ<sup>+16</sup>]. **Control** [ABEP16, BIP<sup>+17</sup>,

BGMR13, BDB18, CYCC11, CBTU14,

CP10, DSR15, DZD<sup>+16</sup>, DRS<sup>+16</sup>, HCZW13,

HDYS16, JRS<sup>+15</sup>, KMLH11, KKY<sup>+16</sup>,

LZ15, LZZV16, MWW14, MWLJ15,

MBM11, MBD11, MD13, NZLK14, NC11,

RSNK17, RSN<sup>+18</sup>, SCK10, STR15,

TLH<sup>+16</sup>, TSK16, VA11, WMW12, WHZ<sup>+15</sup>,

XKT<sup>+15</sup>, YTND12, YLA<sup>+15</sup>, YAGB17].

**Control-Driven** [DZD<sup>+16</sup>]. **Control-Flow**

[STR15, VA11]. **Controllable** [Hie11].

**Controlled** [ASTU10, PdG13]. **Controller**

[JSC<sup>+17</sup>, MKT<sup>+11</sup>, NKEM11, Pan16].

**Controllers**

[EE17, LMNP11, MKFM13, ZJH<sup>+14</sup>].

**Converge** [ZMW<sup>+19</sup>]. **Converge-Diverge**

[ZMW<sup>+19</sup>]. **Conversion**

[ADJ12, BZ14, BJ10, LJ15]. **Converter**

[CHCK12]. **Convolution**

[DWZ18, LJG<sup>+19</sup>, RBMO11, ZYY18].

**Convolutional**

[CDK<sup>+18</sup>, HHKW12, KBO<sup>+19</sup>, LYL<sup>+19</sup>]. **Convolutions** [LPL12]. **Cood** [SMTK12]. **Cool** [CZ14]. **Cooled** [SVAB14]. **Cooling** [ASS<sup>+18</sup>, HV14a]. **Cooperation** [CWZ11, OKY<sup>+19</sup>, YZ15]. **Cooperative** [CWX<sup>+14</sup>, CWY13, JZLD10, KJL11, LGH15, QSYS16, SL13, SKM14, XWL<sup>+16a</sup>]. **Coordinated** [LZ15, XLL<sup>+18</sup>, ZYL15]. **Coordinating** [DSW<sup>+14</sup>]. **Coordination** [CB15, LBS15]. **Coprime** [GL19]. **Coprocessor** [CWZC13, FGS<sup>+13</sup>, FGS<sup>+15</sup>, KCS14, NVB16]. **Copula** [SD14]. **Copy** [DW10]. **CORDIC** [PP16, RS10, SR14, VVMAZ12]. **Core** [BLKM<sup>+18</sup>, BD15, BCD<sup>+16</sup>, BBB<sup>+17</sup>, CZ14, CvdBC18, DYW15, DYHX16, DMK<sup>+15</sup>, EF12, GP14, HRM<sup>+16</sup>, IHR<sup>+16</sup>, JAD<sup>+18</sup>, KIJ14, KAH19, KKC17, LKH16, LRP<sup>+18</sup>, LR18, LB13, MB16, Pan16, PCLN15, PBE17, PM14, RVC<sup>+15</sup>, RTL<sup>+18</sup>, SJVR19, SNM16, TFCY16, VTA16, WSL<sup>+18</sup>, WTZ<sup>+19</sup>, WhCCC12, YSLL16, YYP<sup>+16</sup>, ZLBB19, ZZ19, ZCY<sup>+16</sup>]. **Core-Level** [YSLL16]. **CoreRank** [YSLL16]. **Cores** [CCK<sup>+16b</sup>, HMR<sup>+17</sup>, IPS17, LKS<sup>+14</sup>, LPD<sup>+16</sup>, MMP13, OCK17, RRK11, WSL<sup>+18</sup>]. **coreSNP** [GAC14]. **Corner** [PMH<sup>+14</sup>]. **Correctable** [MAD14]. **Correcting** [FKMK16, NL15b, NL16a, RV13, Red14, SBB18]. **Correction** [ABSK15, CJA<sup>+16</sup>, DHM16, DRM16, NL16b, NL18, PO13, PROM15, RBMO11, RLRL19, TC16, WZL<sup>+17</sup>]. **Correctly** [BHR17, KLLM12, Lef17]. **Correctly-Rounded** [BHR17]. **Correctness** [CL10]. **Correlation** [SKZS13, SD14]. **Correlations** [LR10]. **Corruptions** [LS10b]. **Cosine** [RMC<sup>+15</sup>]. **Cost** [AH13, BR13, BCK<sup>+16</sup>, CMLS15, CCE<sup>+18</sup>, CJA<sup>+16</sup>, CPL17, COLK18, DVUS14, GZG<sup>+16</sup>, GCL<sup>+13</sup>, HS18, HK15a, HMS<sup>+12</sup>, HLT<sup>+15</sup>, JT15, JK15, KS14, KO14, KLT16, LYH11, LK15b, LXJD15, LOC<sup>+16</sup>, MKFM13, MAD14, MUMB11, ORBM13, OGH<sup>+14</sup>, SC11, SP12, TKT16, WCLY16, WFT<sup>+19</sup>, YCLH16, YTD<sup>+17</sup>, YLY15b, ZC13]. **Cost-Aware** [CPL17]. **Cost-Based** [OGH<sup>+14</sup>]. **Cost-Effective** [BCK<sup>+16</sup>, CCE<sup>+18</sup>, GCL<sup>+13</sup>, HS18, HLT<sup>+15</sup>, MUMB11, YTD<sup>+17</sup>]. **Cost-Efficient** [JK15, LYH11, LOC<sup>+16</sup>]. **Cost-Sensitive** [KS14]. **Costs** [BTW13, CYC11, KHPP16, WLYY16]. **COTS** [BBP<sup>+13</sup>, HHC<sup>+18</sup>]. **Count** [RC14, MCT19]. **Counter** [EE10]. **Counterexample** [LH11]. **Counterexample-Guided** [LH11]. **Countering** [AS14]. **Countermeasure** [MLW12]. **Countermeasures** [BRN<sup>+15</sup>, BMZ17, GSF<sup>+10</sup>, YZF<sup>+10</sup>, ZMB18]. **Counters** [DJN17]. **Coupled** [DMK<sup>+15</sup>, PBL16]. **Coupling** [TMS<sup>+14</sup>]. **Cours** [RCFP<sup>+12</sup>]. **Cover** [XLW14, XLL15]. **Cover1** [Ano12c]. **Cover2** [Ano12d]. **Cover3** [Ano12e]. **Cover4** [Ano12f]. **Coverage** [AD10, AD12, BKH<sup>+13</sup>, CYHC14, DLL<sup>+12</sup>, GLTC16, Pom12a, Pom15b, SBH11, WXLL13, WXLY15, WCLY16, XCW<sup>+10</sup>, YASS14, ZLH<sup>+15</sup>]. **Coverage-Preserving** [GLTC16]. **Covered** [Amm14, Yun12]. **Covering** [YHH<sup>+12</sup>]. **Covers** [KP13]. **Covert** [LMB<sup>+16</sup>, LFJ<sup>+13</sup>]. **CPS** [ZGB<sup>+15</sup>]. **CPU** [AF14, CLOL18, GD17, Jun16, KkC15a, LLD19, LMC<sup>+12</sup>, WGLL13, XYF<sup>+15</sup>, ZYW<sup>+16</sup>]. **CPU-Budget** [AF14]. **CPU-MIC** [XYF<sup>+15</sup>]. **CPU/GPU** [GD17]. **CPUs** [MHRARG<sup>+14</sup>, MB16, YLML15]. **CRAM** [ZCZ<sup>+19</sup>]. **Crash** [WFT<sup>+19</sup>]. **CRAT** [XLL<sup>+18</sup>]. **CRC** [GRM16]. **Creation** [DRC14]. **Credit** [KP15]. **Credit-Based** [KP15]. **Criteria** [KKT15, Tse12]. **Critic** [ZM17]. **Critical** [ARGT14, BM13b, Ibr16, NL18, ST11a]. **Criticality** [BBD<sup>+12</sup>, BDBB18, CAbZM18, CGL<sup>+18</sup>, GGA<sup>+17</sup>, LRP<sup>+18</sup>, LLX<sup>+17</sup>, LGS<sup>+18</sup>].

**Cross** [CZL<sup>+17</sup>, JRJ<sup>+18</sup>, KCW<sup>+17</sup>, RCK<sup>+16</sup>, SVD18, VSC<sup>+19</sup>, ZLH<sup>+15</sup>].

**Cross-Layer** [KCW<sup>+17</sup>, RCK<sup>+16</sup>, SVD18, VSC<sup>+19</sup>].

**Cross-Level** [JRJ<sup>+18</sup>]. **Cross-Platform** [CZL<sup>+17</sup>]. **Crossbar** [BGMR13, JWC12, PVKA14, RO11, ZMW<sup>+19</sup>].

**Crossbar-Based** [BGMR13]. **Crosstalk** [CCH<sup>+15a</sup>]. **Crowdsensing** [HZL<sup>+16</sup>].

**Cryptanalysis** [Bar16]. **Cryptographic** [ARH<sup>+18</sup>, BKL<sup>+13</sup>, CATB19, HSA14, LLK18, SEY14, XZL<sup>+19</sup>].

**Cryptographically** [MC11, NDG<sup>+17</sup>].

**Cryptography** [BF19, BJ10, Cil11, GT19, HKR<sup>+18</sup>, KAK18, LGH<sup>+17</sup>].

**Cryptography-Related** [Cil11].

**Cryptoprocessor** [GV14, SWM<sup>+10</sup>].

**Cryptosystem** [SWM<sup>+10</sup>].

**Cryptosystems**

[ADI11, MEBS17, PSM17, ZSP<sup>+19</sup>]. **CSDA**

[Ano10d]. **CSDP** [Ano10e]. **CSMT**

[GSL10]. **CTDaaS** [DHC<sup>+16</sup>]. **Cube**

[AH10, HIJ<sup>+19</sup>, HLJ14, SJS10, TIHM18,

YWM19]. **Cubes** [FG10, HK13b]. **Cubing**

[AH10]. **Cuckoo** [PRM16]. **Current**

[PdG13, SRCK10]. **Currents** [GSK12].

**Curve** [ARM15, ADI11, BJ10, GKB<sup>+10</sup>, GT19, LGH<sup>+17</sup>, LJL13, NR15, ZWC<sup>+18</sup>].

**Curves** [ADJ12, AK14, BDE<sup>+11</sup>, CMRH17, DJJ<sup>+08</sup>, FVV12, LT14, Lee12, TX16].

**Custom** [LSC11, LMB17, ÖDSS17].

**Customized** [SDMM12]. **Customizing**

[HMD<sup>+17</sup>]. **Cut** [LXK12]. **Cyber** [HWSN15, LcZLG19, SLC<sup>+15b</sup>, YLY<sup>+15a</sup>].

**Cyber-Physical** [HWSN15, LcZLG19, SLC<sup>+15b</sup>, YLY<sup>+15a</sup>].

**Cyberspace** [YGS15]. **Cycle**

[GHG<sup>+14</sup>, Iko15, LCH13, XLL15].

**Cycle-Accurate** [Iko15]. **Cycle-Efficient**

[LCH13]. **Cycled** [WCM<sup>+16</sup>]. **Cycles**

[AB16, HBAD14]. **Cyclic** [SN16].

**Cyclic-Random** [SN16].

**D** [HWG<sup>+14</sup>, KAH<sup>+15</sup>, LJY<sup>+15</sup>, TMS<sup>+14</sup>,

WJY<sup>+17</sup>, WZL<sup>+17</sup>, ZDYZ14, AD10, ASS<sup>+18</sup>, AVS<sup>+14</sup>, CMB13, CCK<sup>+16a</sup>, CCL<sup>+18</sup>, CWTT13, CND<sup>+18</sup>, DYW15, EDL<sup>+14</sup>, EYBK15, FGS<sup>+13</sup>, HCY18, JSC10, JKD<sup>+19</sup>, KKC15b, LJY<sup>+15</sup>, LLW<sup>+17</sup>, MWWT13, MSK15, PP16, RVL<sup>+14</sup>, RKZ16, SKEB18, SPC<sup>+18</sup>, TLP18, TCHL18, XCF16, YEY<sup>+16</sup>, YMG16, ZLN11]. **D-MAPS** [KAH<sup>+15</sup>]. **D-Memory** [HCY18]. **D-Mesh** [RKZ16]. **D-NoC** [SKEB18]. **D-Stacked** [SPC<sup>+18</sup>]. **D/** [LJY<sup>+15</sup>]. **DACO** [Tho12, LS10a]. **DaDianNao** [LLL<sup>+17</sup>]. **dAEIte** [SMG14]. **DaemonGuard** [SNM16]. **DAGs** [SF17]. **Damage** [SPC<sup>+16</sup>]. **Dapper** [XHLW19]. **DARE** [XJFT16]. **Dark** [EKA17, HMR<sup>+17</sup>, PKC<sup>+17</sup>, WSL<sup>+18</sup>, WTZ<sup>+19</sup>, khR<sup>+18</sup>]. **DART** [WLV<sup>+14</sup>]. **Data** [AD14, AQPMS15, AMG17, Ano13f, Ano13g, BLKM<sup>+18</sup>, CLS14, CCV<sup>+11</sup>, CT13, CDQB15, CMLS15, CHK10, CCW<sup>+10</sup>, CLW<sup>+15</sup>, CPL16, CPL17, CLOL18, CLW16b, DHC<sup>+16</sup>, FFCB14, FLS16, GWMB13, GYC<sup>+16</sup>, Ged14, GAFN15, GZB<sup>+15</sup>, GZG<sup>+16</sup>, GCL<sup>+13</sup>, GY15a, GDY15, GY15b, GAC14, HXVQ15, HSM14, HNV19, HWSX17, HS18, HK17, HHY11, HLJ14, HLF14, HLT<sup>+15</sup>, HHW<sup>+18</sup>, JGG<sup>+14</sup>, JSE14, JP13, JRS<sup>+15</sup>, JCM16, JC11, KTAvdS16, KGV16, KLKL13, KP15, KLK17, KLC18, KRP18, KN11a, KN11b, KYZC19, KKT15, KLT16, LBSK17, LHC<sup>+14</sup>, LK15b, LKLM15, LKK<sup>+17</sup>, LS10b, LWW11, LMJ14, LXL<sup>+14</sup>, LW15, LSHC15, LYY16, LDMQ16, LLXC16, LWF<sup>+17</sup>, LcZLG19, LTP<sup>+14</sup>, LZYL13, LRY<sup>+15</sup>, LLS<sup>+16</sup>, LWF13, LLHC15, LGF<sup>+15</sup>, Man16, ML18, MJWT16, MBGS10, NCD<sup>+17</sup>, OYP<sup>+18</sup>, PZZQ19, PWTS16, PP10, PSM17, Pom12c, QQW<sup>+17</sup>, RHC<sup>+14</sup>, Red11, RWZZ14, RLX15, ROGHNB<sup>+18</sup>, SMRM17, SST12, SMTK12, SHGW15, SKC<sup>+14</sup>]. **Data** [SMK<sup>+16</sup>, SLZX15, ST12, SZW<sup>+16</sup>, SBW<sup>+16</sup>, SHH<sup>+16</sup>, UMN18, UVL<sup>+13</sup>, VPS<sup>+12</sup>, VCSG<sup>+19</sup>, VCG<sup>+12</sup>, WZZ10,



WXS12, WHZ<sup>+15</sup>, WLYY16, WSZ<sup>+16</sup>,  
 WBG19, WSXZ13, WJM15, WAK<sup>+17</sup>,  
 XJFH15, XJFT16, XLS<sup>+12</sup>, XHZC16,  
 XDZ11, XLF15, YY10, YCL<sup>+12</sup>, YLY<sup>+15a</sup>,  
 YCK16, YXZZ14, YWQX15, YHT<sup>+16</sup>,  
 ZR15a, ZS10, ZZL14, ZWH<sup>+15</sup>, ZDP<sup>+15</sup>,  
 ZYC16, ZLX<sup>+16</sup>, ZFJ<sup>+17</sup>, ZQZ<sup>+19</sup>, ZMY11,  
 ZY12, ZMW15, ZWD<sup>+16</sup>, ZRL15, ZWW19,  
 dRV12]. **Data-Allocation** [UMN18].  
**Data-Classifiers** [KGV16].  
**Data-Dependence** [KLKL13].  
**Data-Driven** [PP10]. **Data-Flow**  
 [CCV<sup>+11</sup>, GAFN15, MBGS10].  
**Data-Intensive** [WSZ<sup>+16</sup>]. **Data-Mining**  
 [SKC<sup>+14</sup>]. **Data-Parallel** [ML18].  
**Database** [CLW<sup>+16a</sup>, DYCG16, KSS12,  
 WLC<sup>+15</sup>, WCH<sup>+15</sup>, WCL<sup>+18</sup>, XTW15].  
**Datacenter** [ZWL<sup>+19</sup>]. **Datacenters**  
 [CCC<sup>+17</sup>, CRJZ16, TJX<sup>+17</sup>]. **Datapath**  
 [ABSK15]. **Datapaths** [GAFN15, RD18].  
**Datasets** [SSGB19, YLY15b]. **DC** [CJK19].  
**DC-PCM** [CJK19]. **DCCS** [HK15b]. **DCT**  
 [AKL18, CND<sup>+18</sup>, XMH13]. **DDoS**  
 [BPBBL13]. **DDR<sub>x</sub>** [FZL<sup>+14</sup>]. **Dead**  
 [CSJ<sup>+11</sup>]. **Dead-End** [CSJ<sup>+11</sup>]. **Deadline**  
 [Bin15, BGRH15, HCH15, LXL<sup>+13</sup>,  
 LDL<sup>+17</sup>, YZH<sup>+15</sup>, ZWLS15].  
**Deadline-Constrained** [YZH<sup>+15</sup>].  
**Deadline-Floor** [BGRH15]. **Deadlock**  
 [DSPB13, FG10, RRS<sup>+16</sup>, VYEB17, WL13].  
**Deadlock-Free** [DSPB13, FG10, RRS<sup>+16</sup>].  
**Deallocation** [PCLN15].  
**Deanonymization** [PLZW14]. **Debiasing**  
 [USH19]. **Debug** [COLK18, DN11, DRS<sup>+16</sup>,  
 MVB10, OHCK17, OCK17, PBV11].  
**Debugging** [ABSK15, CCL<sup>+13</sup>, FM19,  
 KN12, NZ14, WhCCC12]. **Decentralized**  
 [DNSS11, HGML11, RVH<sup>+16</sup>, SPC<sup>+16</sup>,  
 YMK<sup>+17</sup>]. **Decimal**  
 [APP12, BZ14, BLMM16, CHCK12, CDL<sup>+17</sup>,  
 GVGNCVM16, GNTS13, GJ15, HK13a,  
 TGNSC11, VAM10, VVMAZ12, WF17].  
**Decimal-Based** [GNTS13, TGNSC11].  
**Decision** [AXS<sup>+10</sup>, CJSM17, CCO<sup>+14</sup>,  
 CW15, MRW<sup>+15</sup>, SDP<sup>+15</sup>, SJS10].  
**Decodable** [NL15b, NL16a, RLRL19].  
**Decoders** [CMM15]. **Decoding**  
 [LLC<sup>+16</sup>, NL18, YCW11]. **Decomposable**  
 [BGM<sup>+13</sup>]. **Decomposer** [WDSP12].  
**Decomposition** [GAFN15, JC12, KEK16,  
 KYZC19, LVMS18, LZZ17a, XHZC16].  
**Decoupled** [PVKA14, SCJ<sup>+16a</sup>, XYHD17].  
**Decoupling** [STR15]. **DECS** [CTS13].  
**Dedup** [WWY<sup>+18</sup>]. **Deduplicatable**  
 [HCD<sup>+16</sup>]. **Deduplicating** [LLXC16].  
**Deduplication** [FHL<sup>+18</sup>, LCH<sup>+15</sup>,  
 MJWT16, MYW11, WWY<sup>+18</sup>, XJFH15,  
 XJFT16, YTD<sup>+18</sup>, ZFJ<sup>+17</sup>].  
**Deduplication-Aware** [XJFT16]. **Deep**  
 [CDK<sup>+18</sup>, FMTK19, LW13, LPCW14,  
 MFT<sup>+17</sup>, SSGB19, SJVR19, SSJ<sup>+18</sup>,  
 ZYC16]. **Defect**  
 [BKP16, CSW<sup>+15</sup>, Pom16b]. **Defects**  
 [BGPV10, HTH15]. **Deferrable**  
 [LHC<sup>+14</sup>, RHC<sup>+14</sup>]. **Defined**  
 [HGL<sup>+15</sup>, KKP<sup>+16</sup>, LSHC15, WLJ<sup>+16</sup>,  
 ZLG<sup>+15</sup>, ZGG<sup>+16</sup>, ZFJ<sup>+17</sup>]. **Degradation**  
 [HGW<sup>+17</sup>, ORBM13]. **Degraded**  
 [FSL<sup>+17</sup>, ZLLX15]. **Degree**  
 [CMRH17, Ste14]. **Degrees**  
 [Cil13, UHSA17]. **Delay**  
 [CA12a, CFMS14, DY12, GDY15, HCZW13,  
 JRW<sup>+14</sup>, LYT<sup>+16</sup>, MOYB12, NI11, NL14,  
 OMFH14, PROM15, PSL17, RSNK17,  
 SXLC15, WGZ<sup>+15</sup>, XTF<sup>+12</sup>, ZRS<sup>+16</sup>].  
**Delay-Constrained** [GDY15].  
**Delay-Insensitive** [OMFH14].  
**Delay-Tolerant** [CFMS14, HCZW13].  
**Delays** [GSK12]. **Delivery**  
 [BLKM<sup>+18</sup>, FS10, KL16, RS13]. **Demand**  
 [CabZM18, CQW<sup>+15</sup>, CJG16, DYW15,  
 LLLJ13, WZY16, WZ14, XLF15].  
**Demand-Supply** [DYW15]. **Demands**  
 [LLLJ13, ZJL<sup>+16</sup>]. **Demarcated**  
 [YMK<sup>+17</sup>]. **Demotion** [LHTG15].  
**Demotions** [LWH<sup>+16</sup>]. **Denial** [TJH<sup>+15</sup>].  
**Denial-of-Service** [TJH<sup>+15</sup>]. **Denoising**  
 [LHCL13, dRV12]. **Dense** [JAKD18].

**Density** [KPS<sup>+17</sup>, KCE<sup>+18</sup>].  
**Density-Aware** [KPS<sup>+17</sup>]. **DEP** [ASE17].  
**Dependability** [CCD12, RCK<sup>+16</sup>].  
**Dependable**  
 [Ano10c, GM11, GFAM11, IS11, IBH<sup>+13</sup>].  
**Dependence** [KLKL13]. **Dependency**  
 [JLMH10]. **Dependent**  
 [AKL14, JCY<sup>+13</sup>, KL13, LR13, ZM17].  
**Deployability** [TC14]. **Deployed**  
 [WLJ<sup>+16</sup>]. **Deploying** [BWCW15].  
**Deployment** [SZS14, XLW14]. **Derivation**  
 [YLH13]. **Derived** [DRM16]. **Deriving**  
 [CCK10, XXBL17]. **Descriptions** [BFP11].  
**DeSign** [GEN<sup>+17</sup>, ABB17, ARH<sup>+18</sup>,  
 ACW<sup>+11</sup>, AD16, AS10, ABEP16, Ano11f,  
 BKL<sup>+13</sup>, BS10, BMS11, CCO<sup>+14</sup>, CHH<sup>+13</sup>,  
 CKKS14, CCC15, CHLL16, CYA13,  
 DCY<sup>+13</sup>, DZLP14, DJO11, EKA17,  
 FFISC13, FAK16, FGS<sup>+13</sup>, GH11, GJ14,  
 GZC<sup>+17</sup>, GEvS10, GSX<sup>+13</sup>, GTRMG18,  
 GSF<sup>+10</sup>, HFG<sup>+17</sup>, HHM11, HSA14, HMC11,  
 HHCH11, HKWC14, HWK15, HMS<sup>+12</sup>,  
 JAKD18, JKY10, JKD<sup>+19</sup>, JAD<sup>+18</sup>, Jun16,  
 KSS12, KC14, KW14, KAH<sup>+15</sup>, KKY<sup>+16</sup>,  
 KCL<sup>+16</sup>, KH18, KKS14, LYB15, LH16,  
 LJ18, LCL17, LTLC12, LCW<sup>+16</sup>, LOC<sup>+16</sup>,  
 LQW<sup>+17</sup>, LCY<sup>+19</sup>, LVF19, LLOS13,  
 MJW<sup>+14</sup>, MMCS18, MSK15, MOMT12,  
 MRL<sup>+18</sup>, MLE14, MHML15, MF14, MCT19,  
 NBZP17, PC16, PBT13, PR14, RQ14,  
 SBP<sup>+14</sup>, SVD18, SCZ<sup>+16</sup>, SJD<sup>+18</sup>,  
 SRR<sup>+16</sup>, SJS<sup>+14</sup>, ST11a, SZZ<sup>+19</sup>, SVAB14,  
 SZDL14, TAH<sup>+16</sup>, TS11, VPS<sup>+12</sup>, VSLD15,  
 VCSG<sup>+19</sup>, VAM10, VALK19, VKS<sup>+16</sup>,  
 VD12, WZBB15, WLT<sup>+16</sup>, WKB16,  
 WEH<sup>+19</sup>, WSXZ13, YSZ<sup>+14</sup>, YCCWC15].  
**Design**  
 [ZCZ<sup>+19</sup>, ZD13, ZL18, ZV14, ZMS13].  
**Design-Exploration** [SVD18].  
**Design-for-Test** [WEH<sup>+19</sup>].  
**Design-Space** [JAD<sup>+18</sup>]. **Design-Stage**  
 [TS11]. **Designed** [LS10a]. **Designing**  
 [AO12b, CWZ13, FBWMM13, HK16,  
 HHY11, LMB<sup>+16</sup>, LCHX11, Red18].  
**Designs** [ABSK15, AS12, AS14, BKH<sup>+13</sup>,  
 CFR<sup>+14</sup>, CCAM14, FML10, JLLH19,  
 KAQC14, LLC<sup>+16</sup>, LKS<sup>+14</sup>, NS13, PSL17,  
 TGNSC11, VTA16, WZCG16, ZYY10, ZZ10].  
**Destination** [TC14].  
**Destination-Oriented** [TC14]. **Detailed**  
 [Fin10]. **Details** [Bai17]. **Detect**  
 [LXK12, OWP16]. **Detectable** [KT19].  
**Detecting**  
 [EBE13, GDJZ18, KW14, Red18].  
**Detection** [AHNT16, CVMA10, CJK19,  
 CJ12, CH14, GRM16, GTRMG18, GBF<sup>+19</sup>,  
 HRM11, HHC<sup>+18</sup>, HBR11, KMJ<sup>+11</sup>, KC13,  
 KT12, MLW12, MKFM13, MKRM10,  
 MKRM11, NDC<sup>+13</sup>, OHCK17, OCK17,  
 ORBM13, OKD<sup>+16</sup>, PNKI13, PO13,  
 PRBM13, PBT13, PMH<sup>+14</sup>, RBK<sup>+12</sup>,  
 RSU17, RBMO11, SPC<sup>+16</sup>, SRR<sup>+16</sup>, ST12,  
 TJH<sup>+15</sup>, TC16, TM18, VA11, VSF<sup>+17</sup>,  
 WF14, WhCCC12, XJFT16, XCW<sup>+10</sup>,  
 YHML16, ZZ17, ZYW<sup>+16</sup>, ZLN11, ZCR16].  
**Detector** [Hia16]. **Detectors**  
 [NY15, UVG16]. **Determination**  
 [BBK10, KN11a]. **Determining** [ZRS<sup>+16</sup>].  
**Deterministic**  
 [AK16, CB15, KN11b, RTL<sup>+18</sup>, YZGG16].  
**Determinizing** [CCL<sup>+13</sup>]. **Development**  
 [BCD<sup>+16</sup>, MOS14, SAR<sup>+11</sup>]. **Device**  
 [DA12, JKJ<sup>+10</sup>, JW16, TLB<sup>+17</sup>]. **Devices**  
 [CHTD19, CXLX15, CKH15, CYL<sup>+14</sup>,  
 DPO17, JRP<sup>+14</sup>, KCRG15, KkC15a, LK14,  
 LZZ<sup>+17b</sup>, LLD19, OGH<sup>+14</sup>, SWF<sup>+19</sup>,  
 SYH17, SHH<sup>+16</sup>, TCYH15, WKB16, WW16,  
 YCKH16, YCK16, ZLW<sup>+17</sup>]. **DeyPoS**  
 [HCD<sup>+16</sup>]. **DFA** [LPCW14, PDJ<sup>+19</sup>]. **DFT**  
 [CCR<sup>+17</sup>, Red14, Red19]. **DHT** [SX12].  
**Diagnosability**  
 [Cha10a, CL12, CH13, HFZ13, HK13b,  
 HTC13, LXZH16, ZLXW15, ZGW14].  
**Diagnosing** [Li12a]. **Diagnosis**  
 [AKL14, AD16, BC16, BGPV10, CH11,  
 CCH15b, HK13b, HWL<sup>+14</sup>, LVMS18,  
 LKT13, PB16, PR10, Pom16b, SDE<sup>+17</sup>,  
 TW10, TLL12, Tsa13, YLL16]. **Diagram**

[CJSM17]. **Diagrams** [AXS<sup>+</sup>10, SJS10]. **DIALIGN** [BCMJ10]. **Dickson** [HN11]. **Die-Stacked** [ZDYZ13]. **Difference** [BS14, BS16]. **Different** [CLM<sup>+</sup>19]. **Differential** [Bar16, CTL<sup>+</sup>17, KCW<sup>+</sup>17, LYK19, LSGZ16, MSS17, SBM15]. **Differentially** [ST18a]. **Differentiated** [CCM14, ZLN11]. **Differentiation** [WMW12]. **Diffie** [FHLOJRH18, LNL<sup>+</sup>19]. **Digit** [CLL<sup>+</sup>14, DALD18, EJ15, ERRM16, FBE<sup>+</sup>18, JPG10, Kor15, RM15b, Rus13, SJS<sup>+</sup>14, TC16, TAM<sup>+</sup>16]. **Digit-Level** [ERRM16]. **Digit-Serial** [CLL<sup>+</sup>14, RM15b]. **Digital** [BIP<sup>+</sup>17, CK15, KBP13, MG11a, NC11]. **Digraph** [ZLBB19]. **Dilation** [BKV12, KTA<sup>+</sup>14]. **Dimension** [SBI12]. **Dimensional** [AMVOS<sup>+</sup>15, AVS<sup>+</sup>16, CCE<sup>+</sup>18, JWH<sup>+</sup>15, KLC18, MEBS17, MKLW14, Pom15c, Ste14, TWTT11, WEX14, Zot10]. **Direct** [IRMM<sup>+</sup>16, VIDH19]. **Directed** [CM11, CVH<sup>+</sup>13, LTLC12, OKC13, THGT13]. **Directional** [SZS14]. **Directories** [LFH<sup>+</sup>16]. **Directory** [CRG<sup>+</sup>13, LCC10, ST17, ST18b]. **Dirty** [LKLM15, ZZJ<sup>+</sup>19]. **Disaggregated** [KKJH19]. **Disaggregation** [SHH<sup>+</sup>16, TJX<sup>+</sup>17]. **Disaster** [GSG<sup>+</sup>15, MTFK19, WYL<sup>+</sup>15]. **Disciplined** [LWKA15]. **Disclosure** [FRB<sup>+</sup>18]. **Discontiguous** [CH14]. **Discovery** [MCC12, SH12, WYL<sup>+</sup>15]. **Discrete** [HKR<sup>+</sup>18, HHCH11, KRR<sup>+</sup>18, LZZ17a, TWTT11, YFJ<sup>+</sup>14, CTS13]. **Discrete-Error-Checking** [CTS13]. **Discriminative** [Ged14]. **Disjoint** [AB16, HBAD14, KP13, LY11, SKA10]. **Disjunction** [AD16]. **Disk** [KBH<sup>+</sup>10, LS10a, LBWH11, RLSK18, SNY<sup>+</sup>10, Tho12, VC10, WZW<sup>+</sup>19, XLX<sup>+</sup>14, ZLWZ15, ZXX<sup>+</sup>14]. **Disk-Based** [WZW<sup>+</sup>19]. **Diskless** [HC13a]. **Disks** [Cha10b, JR17, KSJ<sup>+</sup>12]. **Disparity** [THGT13, TKT16]. **Dispatch** [JR17, LBS15]. **Dispatching** [YCLH16]. **Dispersal** [CWL<sup>+</sup>17]. **Dissemination** [DKH<sup>+</sup>13, WAK<sup>+</sup>17, XAYL15, ZWD<sup>+</sup>16]. **Distortion** [dRV12]. **Distributed** [ASTU10, BBPQ15, CWZC13, CPL17, DZD<sup>+</sup>16, DLL<sup>+</sup>12, DSPB13, DKK16, FEP<sup>+</sup>12, FSR<sup>+</sup>18, GBO<sup>+</sup>16, GZB<sup>+</sup>15, GZG<sup>+</sup>16, GW16, HRK17, HSM14, Hie13, HCH15, HC13b, HXL11, HHW<sup>+</sup>18, LLCH13, LCL15, LS13, LCH<sup>+</sup>15, LcZLG19, LXX12, MM16, MB12a, SSKL16, SH12, SLC<sup>+</sup>15b, SWF<sup>+</sup>19, TLZV11, TPR16, WZK<sup>+</sup>19, WHL17, XMH13, YY10, YZ15, YTD<sup>+</sup>18, ZLN11, ZT15, ZCR16, Zot10]. **Distributed-Block** [WZK<sup>+</sup>19]. **Distributed-Memory** [GBO<sup>+</sup>16]. **Distribution** [CLS14, HCY18, HS18, LHYZ13, RNS13, THM<sup>+</sup>14, VC10]. **Distribution-Aware** [HS18]. **Distributor** [Zhe10]. **Disturbance** [CCK<sup>+</sup>16a, CJK19, JSC<sup>+</sup>19]. **Diverge** [ZMW<sup>+</sup>19]. **Diverse** [LWY15]. **Diversity** [JRC14, WGLL13]. **Divide** [CK15, XLW14]. **Divide-and-Conquer** [CK15]. **Divide-and-Cover** [XLW14]. **Divider** [JLLH19]. **Dividers** [AS10, CHLL16, KKS14]. **Dividing** [Yan14]. **Divisible** [CC16, ZR15b]. **Division** [BZ14, CTS13, EJ15, FBE<sup>+</sup>18, GABK11, HIJ<sup>+</sup>19, KS10b, LN12, MPZ15, MG11b, Nan16, ST18a, TIHM18, UdDG<sup>+</sup>17, WE12, YWM19, ZMY11]. **Division-Free** [BZ14]. **Division/Square** [WE12]. **DMA** [VCG<sup>+</sup>12]. **DMR** [RBMO11]. **Domain** [HXVQ15, VKS<sup>+</sup>16, ZCW18]. **Domains** [CWZ13, LQD<sup>+</sup>16]. **Dominance** [PR10]. **Don't** [DJN17]. **Dot** [KKS14]. **Double** [ARM16, AMR18, ARM13, AK14, BNP10, CS11a, CLL<sup>+</sup>14, DRM16, DJA14, DS14, ERRM16, HK15b, LKLT12, MH15, RLRL19, RM15b, ZGWC15]. **Double-Loop** [CS11a]. **Double-Ruling-Based** [LKLT12]. **Double-Scalar** [DS14]. **Doubling** [SBI12].

**Doubling-Dimension** [SBI12]. **Down** [LRY<sup>+</sup>15]. **Downloading** [LHH14b].  
**Downtime** [DSY<sup>+</sup>15]. **DPA** [BK12, GSF<sup>+</sup>10, LRY<sup>+</sup>15, MM17]. **DPPC** [MWW14]. **DR** [CLW<sup>+</sup>19]. **DRAM** [ACM<sup>+</sup>16, BCC<sup>+</sup>16, CLW<sup>+</sup>19, CJA<sup>+</sup>16, FZL<sup>+</sup>14, GC16, HK15b, Iko15, JYL<sup>+</sup>17, KCKL19, LBN14, LK16b, LZZZ13, LHTG15, LWH<sup>+</sup>16, OCK17, RSJR17, SMA19, SCJ<sup>+</sup>16b, SCJ<sup>+</sup>16a, SJC<sup>+</sup>17b, SPC<sup>+</sup>18, SD14, WZL<sup>+</sup>17, WBG19, ZZ10].  
**DRAM-Based** [OCK17]. **DRAM-Latency** [SCJ<sup>+</sup>16b]. **DRAM/PRAM** [HK15b].  
**DRAMs** [SSJ<sup>+</sup>18, ST16]. **DRINA** [VBR<sup>+</sup>13]. **Drive** [KLK18]. **Driven** [AD13, BR13, BM13a, BM13b, CMS10, DZD<sup>+</sup>16, HWX15, LK15b, LGMP10, PP10, PCZB11, RM15a, SAR<sup>+</sup>11, TLZV11, TS11, YTND12, YHV13]. **Driver** [JW16]. **Drivers** [JKJ<sup>+</sup>10]. **Drives** [CDQB15, CLZ19, DSW<sup>+</sup>14, Jun16, LRP16, MLE14, PDXZ13, TAH<sup>+</sup>16, WFY<sup>+</sup>17, XLW<sup>+</sup>16b, YCW<sup>+</sup>19].  
**Drone** [WAK<sup>+</sup>17]. **Drought** [JGG<sup>+</sup>14].  
**DSRC** [YMT13, YMTV14]. **DT** [SDP<sup>+</sup>15].  
**DT-CAIF** [SDP<sup>+</sup>15]. **DTNs** [LS13, YZH<sup>+</sup>15]. **Dual** [GSF<sup>+</sup>10, GCL<sup>+</sup>13, HGW<sup>+</sup>17, KAH18a, KwPK<sup>+</sup>15, LPL<sup>+</sup>13, LW15, LXW<sup>+</sup>19, LW13, PPND17, YTD<sup>+</sup>18].  
**Dual-Addressing** [LXW<sup>+</sup>19]. **Dual-Clock** [KAH18a, PPND17]. **Dual-Level** [HGW<sup>+</sup>17]. **Dual-Modular** [KwPK<sup>+</sup>15].  
**Dual-Phase** [YTD<sup>+</sup>18]. **Dual-Port** [GCL<sup>+</sup>13, LW15]. **Dual-Rail** [GSF<sup>+</sup>10].  
**DuCNoC** [KAH18a]. **Due** [MD16]. **DUOS** [BSS14]. **Duplication** [WMG18, ZMRQ11].  
**Durability** [CDQB15]. **During** [LS10b, UMN18, DN11, KN12, XXBL17].  
**Duty** [GHG<sup>+</sup>14, WCM<sup>+</sup>16]. **Duty-Cycled** [WCM<sup>+</sup>16]. **DVFS** [ASE17, EE10, GHK15, GZB<sup>+</sup>15, HV12, HV14a, KkC15a, LSC10, LY17, LY18].  
**DVM** [MSG14]. **DwarfCode** [ZCS16].  
**DWF** [LBN14]. **Dynamic** [ABSK15, CBB19, CLS10, CKH15, CFW14, CCP<sup>+</sup>13, DCV<sup>+</sup>12, DKK16, FHR14, FKMK16, FCB<sup>+</sup>19, GVPS19, HCCG10, HCD<sup>+</sup>16, HHY11, HH17, HV13, HV14b, HCG<sup>+</sup>16, HLWV17, IHR<sup>+</sup>16, JSH<sup>+</sup>17, JCM16, JR17, KAH19, KLKL13, KCRG14, KCL19, KKT15, LKYC12, LK16a, LCL15, LXDV17, LHH14a, LHYZ13, LRY<sup>+</sup>15, LZA<sup>+</sup>16, LZS<sup>+</sup>13, LHTG15, LWH<sup>+</sup>16, LPL10, MWW14, MSC12, NM10, NH10, OKC13, RBG14, RF14, RDEN10, SKZS13, SJS1D11, WSL<sup>+</sup>18, WTZ<sup>+</sup>19, XLF15, YZHX12, YFJ<sup>+</sup>14, YTD<sup>+</sup>18, YHV13, YZGG16, YLY15b, YAGB17, ZWC<sup>+</sup>18, ZLN11].  
**Dynamically** [CW15, GLXY13, KGC14, LYJ<sup>+</sup>18, PPP13, RSU17, TLGM17, YSL16].  
**Dynamics** [JWWZ16, LLL16].  
**E-MACs** [AP14]. **E-Shadow** [TZL<sup>+</sup>14].  
**EAD** [ZMRQ11]. **Early** [SVAB14, VSC<sup>+</sup>19].  
**Early-Stage** [SVAB14]. **Easy** [KT19]. **ECC** [CSCW13, CLM<sup>+</sup>19, FKMK16, GBGI18, HK17, HCL15, PN16, PCZB11].  
**ECC-Based** [PN16]. **ECM** [IDG<sup>+</sup>17].  
**Ecosystem** [Cro14]. **eCryptfs** [XZL<sup>+</sup>19].  
**EDF** [BGRH15, CBB19, CQ14, LXL<sup>+</sup>13, SL14b].  
**Edge** [AB16, CTH14, DHW<sup>+</sup>19, HBAD14, PMH<sup>+</sup>14, RSNK17, RSN<sup>+</sup>18, THGT13, YL14]. **Edge-Connectivity** [YL14].  
**Edge-Directed** [THGT13]. **Edge-Disjoint** [HBAD14]. **Edges** [WHC<sup>+</sup>15b]. **Editor** [Lou19, Mon15a, Mon19]. **Editor-in-Chief** [Lou19, Mon19]. **Editorial** [BKP16, CHTD19, DPO17, Lom11, Lou19, Mon15a, Mon19, WHBR16, XL16, Zom15a, Zom12a].  
**Editors** [AHI12, AISA16, Avr13, BKPMC13, BMM11, BS10, BCS11, BdD19, EM12, GC14, GM11, LLK18, MG11a, MOS14, NST14, ST11a, VP14, ZMS13].  
**eDRAM** [FHW18, JJZ<sup>+</sup>16, VPS<sup>+</sup>12].  
**eDRAM-Based** [JJZ<sup>+</sup>16].  
**eDRAM/SRAM** [VPS<sup>+</sup>12]. **Edwards** [LT14]. **Effect** [BD15, GC16, YMG16].  
**Effective**

[BCK<sup>+16</sup>, BTBB14, CXZ13, CCE<sup>+18</sup>, DCV<sup>+12</sup>, GCL<sup>+13</sup>, HS18, HLT<sup>+15</sup>, JT15, KCRG14, KCKL19, LYOB15, LY11, LK16a, LVF19, ML13, MUMB11, SST12, SL14a, SP12, WLK15, YTD<sup>+17</sup>, ZLY15]. **Effectiveness** [CRG<sup>+13</sup>, SLZX15]. **Effects** [AEGH19, SRCK10]. **Efficiency** [AEGH19, CCL<sup>+18</sup>, CKH15, Fen14, IPS17, JDA<sup>+16</sup>, KKC17, LKK<sup>+17</sup>, LR18, LYCT10, MYHL16, SLL15, ST17]. **Efficient** [ALBP14, AO11, AYC16, ASE17, AP14, AMG17, ASBdS16, Ano11c, BBPQ15, BS15, BSS15, BPG16, BBB<sup>+17</sup>, BBH12, CVPS19, CFR<sup>+14</sup>, CHN14, CXZ13, CDQB15, CMLRHS13, CHH<sup>+13</sup>, CYJ<sup>+10</sup>, CM11, CS15, CZP<sup>+16</sup>, CXLL16, CLCS19, CCRL19, CJ13, CDK<sup>+18</sup>, CWCS15, DCCK17, DHW<sup>+19</sup>, DCY<sup>+13</sup>, DZD<sup>+16</sup>, DKL15, DJA11, DCK16, DCL<sup>+11</sup>, DCV<sup>+12</sup>, DSY<sup>+15</sup>, DZLP14, DNSS11, EKA17, ECJ<sup>+16</sup>, EM12, FVV12, FZL<sup>+14</sup>, FAK16, FAA10, FSL<sup>+17</sup>, GKB<sup>+10</sup>, GH11, GBO<sup>+16</sup>, GKS14, HB11, HCL<sup>+14</sup>, HV14a, HNV19, HBCC13, Hia17, HMC11, HC17, HNB<sup>+12</sup>, HQLX15, HDYS16, HLA<sup>+17</sup>, ISC15, IDG<sup>+17</sup>, IBH<sup>+13</sup>, JAKD18, JK15, JP13, JC11, JJZ<sup>+16</sup>, Joh17, KMC17, KJL11, KLKL13, KLJ<sup>+14</sup>, KO14, Kim15, KHPP16, KBO<sup>+19</sup>, KKC15b, KH14, KAQC14, KA19, KCS14, KH10, LYH11, LPL<sup>+13</sup>, LSC11, LP13a, LK15b, LKLM15, LDP10, LXL<sup>+13</sup>, LCLL15, LGH15, LWF<sup>+17</sup>, LHCL13, LCH13, LZ14, LCT11, LN12]. **Efficient** [LHYZ13, LLM<sup>+15</sup>, LSW15, LXZ<sup>+15</sup>, LFH<sup>+16</sup>, LOC<sup>+16</sup>, LLD19, LKMSA16, LJ13, LJ15, LJVJ18, LSXP14, LCW<sup>+15</sup>, MWZ<sup>+17</sup>, MAG<sup>+17</sup>, MB12a, MH15, MYW11, MBSSA19, MS12, MKRM12, MC11, ML16, NZC11, OPZ15, OPAGS14, PKC<sup>+17</sup>, PP14, PCHS18, PAC<sup>+12</sup>, PP10, RMKR12, RURM18, RBK<sup>+12</sup>, RS17, SRCK10, SVD18, SDMM12, SJD<sup>+18</sup>, SRK<sup>+17</sup>, SG12, SZG<sup>+18</sup>, SWZG15, TLH<sup>+16</sup>, TH11, TWTT11, TLB<sup>+17</sup>, TCYH15, TM18, UMN18, USH19, VALK19, VCB<sup>+13</sup>, VSF<sup>+17</sup>, WF17, WF12, WHZ<sup>+15</sup>, WCM<sup>+16</sup>, WW16, WEH<sup>+19</sup>, WDSP12, WQZ<sup>+16</sup>, WLG<sup>+19</sup>, XL16, XMH13, XHZ14, XLTZ11, XLF15, YY10, YCW11, YMAG17, YTD<sup>+17</sup>, YM11, YWQX15, YUGD14, Yum12, YYP<sup>+16</sup>, ZD13, ZWX12, ZGY13, ZWW<sup>+16</sup>, ZCL<sup>+16</sup>, ZLJ<sup>+17</sup>, ZCK19, ZFHC19, ZMY11, ZYY10, ZHW15]. **Efficiently** [GJ14, LGH<sup>+17</sup>, OGP14]. **Effort** [RMB<sup>+13</sup>]. **Eight** [SG13]. **Eight-Approximation** [SG13]. **Eisenstein** [CCR<sup>+17</sup>]. **EJ** [FB13]. **Elaborate** [SSJ<sup>+18</sup>]. **Elastic** [CRJZ16, JT15, KKJH19, MBD11, MD13, WBZ<sup>+15</sup>, YMK<sup>+17</sup>]. **Electrical** [FM16]. **Electronic** [BC16]. **Element** [MTGM12]. **Elementary** [AFC10, FS10, LJ13, SDP11, dDLM11]. **Elevation** [CZS<sup>+19</sup>]. **Elevator** [DSPB13]. **Elevator-First** [DSPB13]. **Eliminating** [LKBS16, UMN18]. **Elimination** [RKN<sup>+18</sup>, XJFT16]. **Elliptic** [ARM15, ADI11, AK14, BDE<sup>+11</sup>, CMRH17, CZ16, GKB<sup>+10</sup>, LGH<sup>+17</sup>, LJL13, NR15]. **ELmD** [BDMLN16]. **Email** [XJW<sup>+16</sup>]. **Embedded** [ABB17, AAR19, ACM<sup>+16</sup>, AEP18, ARG14, BQP<sup>+16</sup>, BCSR14, BM13b, BGRH15, Cha14, CSS13, CPRH16, DA12, DSB13, DLC<sup>+13</sup>, EKJ<sup>+10</sup>, FSR<sup>+18</sup>, FGS<sup>+13</sup>, FRB<sup>+18</sup>, GBO<sup>+16</sup>, HHLK12, HC17, HT12, HLA<sup>+17</sup>, JLC10, KSS12, KMLH11, KLJ<sup>+14</sup>, LSA18, LJVJ18, MW10, MS15, MUMB11, MNK11, OKC13, PAC<sup>+12</sup>, PC10, PBE17, QLH<sup>+16</sup>, SWF<sup>+19</sup>, TB15, TKT16, VSF<sup>+17</sup>, WLC<sup>+15</sup>, ZGG<sup>+16</sup>]. **Embedding** [CMRH17, CS11a]. **EMC** [SZZ<sup>+19</sup>]. **Emergence** [HJBM14]. **Emerging** [Ano13d, Ano13c, AISA16, BMM11, CHTD19, DPO17, OOD<sup>+17</sup>]. **Empirical** [DJO11]. **Employing** [MPZ15]. **Empty** [MWLJ15]. **Emulation** [AHK10, EGVFC<sup>+12</sup>]. **Emulation-Based** [EGVFC<sup>+12</sup>]. **En-Route** [YLY<sup>+15a</sup>]. **Enable** [ACW<sup>+11</sup>]. **Enabled** [KCL<sup>+16</sup>, LP17, LZZ16, QZL<sup>+16</sup>].

**Enabling**

[CLW<sup>+</sup>19, DYCG16, GLTC16, LLL15, SNM16, WHL17, XLL<sup>+</sup>18, YHML16].

**Enciphering** [CMLRHS13, MLCH10].

**Encoded** [TAM<sup>+</sup>16]. **Encoder** [HHCH11].

**Encoders** [HHKW12]. **Encoding**

[CND<sup>+</sup>18, LCA10, LSXP14, SKZS13, TAM<sup>+</sup>16, XHX<sup>+</sup>17, YCW11, Yun12].

**Encoding/Decoding** [YCW11].

**Encodings** [GJ15, HK13a, MVB10].

**Encrypted**

[KGV16, LQD<sup>+</sup>16, NBZP17, TM18].

**Encryption** [AEP18, BS14, BDMLN16, CMO<sup>+</sup>16, CLW16b, DOS15, FHH10, FHR14, HZ11, HC17, JSA17, KHPP16, LLC<sup>+</sup>15, LB13, MRL<sup>+</sup>18, MBF18, MKRM10, ÖDSS17, PRGBSAC19, RVH<sup>+</sup>16, RZZ<sup>+</sup>15, SWF<sup>+</sup>19, WHC<sup>+</sup>15a, WQZ<sup>+</sup>16, XJWW13, XJW<sup>+</sup>16, XHX<sup>+</sup>17, ZPM<sup>+</sup>15, ZHW15]. **End**

[CCV<sup>+</sup>11, CSJ<sup>+</sup>11, NLP<sup>+</sup>14, SXLC15, SRCbL<sup>+</sup>15, YLH10]. **End-Link**

[SRCbL<sup>+</sup>15]. **End-to-End**

[CCV<sup>+</sup>11, NLP<sup>+</sup>14, SXLC15, YLH10].

**Endomorphisms** [AK14, LGH<sup>+</sup>17]. **Ends**

[PPB<sup>+</sup>14]. **Endurance** [DY14, FYSK14, HJF<sup>+</sup>13, JSA17, PLM16, SYK14].

**Endurance-Aware**

[FYSK14, JSA17, SYK14]. **Energy** [AO12a, AYC16, ASE17, AE11, Amm14, Ano11c, AS16, BZ15, BPG16, BG12, BBB<sup>+</sup>17, CFL<sup>+</sup>18, CSPC12, CA12a, CTD<sup>+</sup>16, CKD<sup>+</sup>17, CKH15, CQ14, CKN14, CWCS15, DHW<sup>+</sup>19, DCY<sup>+</sup>13, EM12, FAA10, GH11, GKS14, GBD<sup>+</sup>15, HWZ<sup>+</sup>12, HV14a, HNV19, HT12, HDYS16, HLA<sup>+</sup>17, IPS17, IDG<sup>+</sup>17, JDA<sup>+</sup>16, JJK<sup>+</sup>11, JAJK15, JJZ<sup>+</sup>16, KMC17, KLJ<sup>+</sup>14, KGGJ14, KKC17, KLK17, KCL19, KSC<sup>+</sup>14, KKC15b, KA19, KLT16, LK15b, LK16b, LKK<sup>+</sup>17, LR18, LTL14, Li12b, LGH15, LBWH11, LHH14a, LSL15, LLD19, LZW<sup>+</sup>15, LJVJ18, LBS15, LCLC19, MHK15, ML18, MWZ<sup>+</sup>17, MBSSA19, MMH14, NYHB16, NY19, OPZ15, OPAGS14, OKC13, PAC<sup>+</sup>12, PP10, RMKR12, SC18, SDMM12, SZZ<sup>+</sup>19, TH11, TFCY16, VPS<sup>+</sup>12, VSF<sup>+</sup>17, WWY<sup>+</sup>16, WLJ<sup>+</sup>16, WCM<sup>+</sup>16, XTW15, YZHX12, Yan14, ZLBB19, ZLG<sup>+</sup>15, ZMW15, ZMRQ11]. **Energy-Aware** [CSPC12, CKD<sup>+</sup>17, SZZ<sup>+</sup>19, TFCY16, ZLBB19, ZMRQ11]. **Energy-Balanced** [LBS15]. **Energy-Efficiency** [IPS17]. **Energy-Efficient** [AYC16, ASE17, BPG16, BBB<sup>+</sup>17, DHW<sup>+</sup>19, DCY<sup>+</sup>13, FAA10, GH11, GKS14, HV14a, HNV19, HDYS16, HLA<sup>+</sup>17, IDG<sup>+</sup>17, JJZ<sup>+</sup>16, KKC15b, KA19, LK15b, LGH15, LLD19, LJVJ18, MWZ<sup>+</sup>17, MBSSA19, OPZ15, OPAGS14, PAC<sup>+</sup>12, PP10, RMKR12, TH11, VSF<sup>+</sup>17]. **Energy-Harvesting** [AS16]. **Energy-Saving** [LHH14a]. **Energy-Scalable** [LJVJ18]. **Energy-Time** [BG12]. **Enforcing** [WZL15]. **Engine** [BDB18, CLS10, PWW<sup>+</sup>11, SLC<sup>+</sup>15b, SWZG15, VSF<sup>+</sup>17]. **Engineering** [HGL<sup>+</sup>15, LLK18]. **Engines** [LCHX11, LB13]. **Enhance** [CCY<sup>+</sup>16, FSPD17]. **Enhanced** [CSCW13, JRW<sup>+</sup>14, KLC<sup>+</sup>16, ML13, SMCN18, SC11, WLS18]. **Enhancement** [CHH<sup>+</sup>13, HCY18, JSA17, LBWH11, LLHC15, SMP16, ZZYZ14]. **Enhancing** [JC11, KKC17, PCLN15, SMAR<sup>+</sup>19, ZOD13]. **Enough** [JAJK15]. **Ensuring** [LYY16, MHK15]. **Enterprise** [XZL<sup>+</sup>19]. **Enterprise-Level** [XZL<sup>+</sup>19]. **Entropy** [DEE17, GLH<sup>+</sup>19, KKT15, LB15b]. **Environment** [KFB<sup>+</sup>15, LDL<sup>+</sup>17, WSZ<sup>+</sup>16]. **Environmentally** [MTBB10]. **Environments** [BMT14, CGJ<sup>+</sup>10, GW16, HCD<sup>+</sup>16, HGCT13, KC13, LP13b, LWF13, MFG14, WXS12, YHML16]. **EPC** [SDZ15]. **EQAR** [LY11]. **Equal** [DDNT19]. **Equalization** [TLGM17]. **Equalized** [WMG18]. **Equilibrium** [BBVL14, Cro14]. **Equivalence** [PR10, ZYHZ16]. **Equivalent** [BFP11]. **Era** [EKA17, HMR<sup>+</sup>17, YMG16]. **Erase** [CCL<sup>+</sup>18, JSH<sup>+</sup>17]. **Erasure**

[CJA<sup>+</sup>16, HQLX15, LS10a, LSXP14, SZG<sup>+</sup>18, ZLLX15]. **Erasure-Coded** [HQLX15, LS10a, ZLLX15]. **Errata** [ZDYZ14]. **Error** [AS12, Bai17, BM11, CHLL16, CJA<sup>+</sup>16, CZS<sup>+</sup>19, CFMA19, CCAM14, CTS13, CMM15, DRM16, DZLP14, EBE13, EGVFC<sup>+</sup>12, FKMK16, GPN11, GTRMG18, HRM11, HHCH11, HBR11, JRJ<sup>+</sup>18, KMJ<sup>+</sup>11, KW14, KTA<sup>+</sup>14, KT19, LR16, LHL13a, LHL15b, LCY<sup>+</sup>16, LOC<sup>+</sup>16, LQW<sup>+</sup>17, MLW12, MRD19, MKFM13, MAD14, MHHS17, MHH<sup>+</sup>17, MG11a, NEE18, NL15b, NL16a, NL16b, NL18, NC11, OHCK17, OCK17, PNKI13, PCZB11, PO13, PRBM13, PROM15, RSU17, RBMO11, RLRL19, SB16, SBB18, SMRM17, SVD18, TC16, VTA16, VA11, WZL<sup>+</sup>17, WLG<sup>+</sup>19, XH16, YW12]. **Error-Detection** [RSU17]. **Error-Tolerance** [HHCH11]. **Error-Tolerant** [CHLL16, LQW<sup>+</sup>17]. **Error/Fault** [MG11a]. **Errors** [DRS<sup>+</sup>16, HCC<sup>+</sup>18, JSC<sup>+</sup>19, KK10, KCKL19, RV13, Red18, SMAR<sup>+</sup>19, TM18, UVG16, VSC<sup>+</sup>19, WBG19, dOPSR16]. **Essential** [Ano11g, Ano11h]. **Esterel** [LvH12]. **Estimate** [PB11]. **Estimating** [Dar15, MYHL16]. **Estimation** [BJ12, CYHC14, DAS14, DAPS14, EE10, ISC15, LPL10, RM15c, SRCbL<sup>+</sup>15, SMA19, SRCK10, SDP<sup>+</sup>12, TKT16, WWT<sup>+</sup>18, XTW15, YLH13]. **Ethernet** [CWF14, HGML11, JRW<sup>+</sup>14, JRS<sup>+</sup>15, SME<sup>+</sup>17]. **Evaluating** [CPS<sup>+</sup>10, LHL15b, LOC<sup>+</sup>16, MBD11, RSG<sup>+</sup>19]. **Evaluation** [BLB<sup>+</sup>19, CWF14, CCO<sup>+</sup>14, EGVFC<sup>+</sup>12, FTP13, GEvS10, GSF<sup>+</sup>10, HCL<sup>+</sup>14, HHM11, HWCH17, JKMR11, JWL<sup>+</sup>16, JRP<sup>+</sup>14, KSS12, KCL<sup>+</sup>16, KKT15, LJ18, LCHX11, MNK11, ROH17, RQ14, RJV<sup>+</sup>18, dLSGDR17, ST11b, TSK16, WGW<sup>+</sup>15, WLT<sup>+</sup>16, WFY<sup>+</sup>17, YL14, YMT13, YMTV14, ZCL<sup>+</sup>16, ZWC13, dOPSR16]. **Evaluations** [GLH<sup>+</sup>19]. **Even** [ARH14, PCHS18, WF12]. **Even-Type** [WF12]. **Event** [CVH<sup>+</sup>13, HWX15, SMRML17, WNKL16, XAYL15, XLS<sup>+</sup>12]. **Event-Driven** [HWX15]. **Event/Multiple** [WNKL16]. **Events** [BJ12, LBS15, MB12b]. **Evidence** [EFPC16]. **Evolution** [YZ15]. **Evolutionary** [AD13, HSH<sup>+</sup>10, RM15c]. **Evolvable** [SOM<sup>+</sup>13]. **Evolving** [HCZW13, JWWZ16]. **EvolvingSpace** [WZZ10]. **Exact** [BM11, JLMP11, MBD<sup>+</sup>17, RCRK13, dLSGDR17, XP10]. **Exascale** [YWXZ12]. **Exchange** [EFGT18, FHLOJRH18, GDLL18, SD18, YRT<sup>+</sup>16]. **Exclusive** [LSHC15]. **Executing** [WLY<sup>+</sup>14]. **Execution** [ASE17, BBK10, DZ10, GLXY13, GPRS17, KLLK11, KCRG15, LK10, LKK<sup>+</sup>17, LMB13, Sri10, WLZ<sup>+</sup>15, WA10, XLC14, ZLSI17]. **Executions** [LKLK13]. **Existing** [FNS16, YTND12]. **Expandable** [GCL<sup>+</sup>13]. **Expansion** [AVS<sup>+</sup>14, RCRK13]. **Expansions** [JMMP16, MRD19, RMB<sup>+</sup>12]. **Expenses** [ZMW15]. **Expensive** [GBGI18]. **Experience** [MBM11]. **Experiences** [LHH14b]. **Experiments** [BM13a, DN11, dRV12]. **Experts** [RF14]. **Exploiting** [AKKH12, CSPC12, CZ14, CCC<sup>+</sup>17, CLZ19, CWY13, CYL<sup>+</sup>14, CLMM11, DSR15, DSG<sup>+</sup>19, EF12, FMTK19, GC16, HCY18, HIJ<sup>+</sup>19, HJBM14, HK15a, HJF<sup>+</sup>13, IS14, JCY<sup>+</sup>13, JRC14, KWC<sup>+</sup>16, LK14, LWKA15, LR16, LR10, LS13, LWF<sup>+</sup>17, LJG<sup>+</sup>19, LCY<sup>+</sup>16, NLRB17, SSW12, SPC<sup>+</sup>18, WSL<sup>+</sup>18, WBG19, WGZ<sup>+</sup>15]. **Exploits** [GDJZ18]. **Exploration** [DJO11, JLMH10, JAD<sup>+</sup>18, KBH<sup>+</sup>10, Nan16, SMP16, SVD18, SBW<sup>+</sup>16]. **Explorer** [SQJ<sup>+</sup>15]. **Exploring** [Cil11, GY15a, HXL11, HJF<sup>+</sup>13, Jun16, KH18, LPD<sup>+</sup>16, VMB19, WHC<sup>+</sup>15a, YXWL16]. **Explosively** [YCKH16]. **Exponential** [BHR17, LP17, VB13]. **Exponentiation** [DCKK18, ERRM16, GLP<sup>+</sup>12, HMA<sup>+</sup>10]. **Expression** [OWP16, YP12]. **Expressive**

[LFH<sup>+</sup>16]. **EXR** [LSHC15]. **Extended** [BFMT16, Hia17, JMMP16, LPCW14, LWK11, Sou15, WJL<sup>+</sup>14]. **Extending** [FKMK16, JSH<sup>+</sup>17, PPB<sup>+</sup>14, RCFP<sup>+</sup>12, SF17, XWLX17]. **Extension** [ARH14, HRM11, RCC14, Red14]. **Extensions** [RS17, SJVR19]. **External** [LBSK17, LRP16]. **Extra** [CTH14, YL14]. **Extraction** [KCK16, LJY<sup>+</sup>15, VB13]. **Extractor** [USH19]. **EXTREME** [SPC<sup>+</sup>18]. **Extremely** [MAD14]. **Extremum** [ZFJ<sup>+</sup>17]. **EZ** [PDXZ13].

**Fabric** [GFAM11]. **Fabrics** [AD16, DPO17, VYEB17]. **Face** [FS10]. **Facilitating** [cCWS14]. **Factor** [HL10b, LLS<sup>+</sup>16]. **Factoring** [GKB<sup>+</sup>10]. **Factorization** [CND<sup>+</sup>18, PGvdG14]. **Factors** [MPZ15]. **Fading** [QSYS16]. **Fail** [HCC<sup>+</sup>18, IGLM15]. **Fail-Stop** [HCC<sup>+</sup>18]. **Failure** [CVMA10, CSW<sup>+</sup>15, HL10b, LLL15, LWL<sup>+</sup>16, MD16, ST12, TS11, WCL<sup>+</sup>18, XLX<sup>+</sup>14, XWL<sup>+</sup>16b, ZXX<sup>+</sup>14]. **Failure-to-Fault** [HL10b]. **Failures** [FEP<sup>+</sup>12, HK16, HWSN15]. **Fair** [GGSPM18, KH18, TSK16, VC10, FSPD17]. **Fairness** [FSPD17, LMC<sup>+</sup>15, TSK16, WMW12]. **Fairness-Based** [LMC<sup>+</sup>15]. **Faithfully** [DRC14]. **False** [YLY<sup>+</sup>15a]. **Family** [ARH<sup>+</sup>18, GPN11, SBM15]. **Farewell** [Zom15a]. **Fast** [ADJ12, AJH15, ASM<sup>+</sup>16, AD16, BLKM<sup>+</sup>18, BDE<sup>+</sup>11, BCMJ10, CLS10, CLW<sup>+</sup>15, Cil13, DJA14, GNSR14, HNV19, Ima18, IDG<sup>+</sup>17, JDA15, JAD<sup>+</sup>18, Kır12, LNCX18, LL11, LCHX11, LW13, LPCW14, MNFA14, NL18, Pom12b, Red18, SYH17, SMG14, VAB14, WF17, WWT<sup>+</sup>18, WZ14, YFCV14, YLL16, YUGD14, ZHW<sup>+</sup>16, ZFJ<sup>+</sup>17, ZWL<sup>+</sup>19, GTRMG18]. **Fast-Write-and-Rewrite** [WZ14]. **Faster** [FHLOJRH18, KVV10, ZSP<sup>+</sup>19]. **Fat** [GY15b, SJSLD11, WXW<sup>+</sup>14]. **Fat-Tree** [GY15b]. **Fat-Tree-Based** [WXW<sup>+</sup>14].

**Fault** [AE11, BMT14, BWCW15, BKP16, CKM15, CL12, DCK16, EYBK15, EGVFC<sup>+</sup>12, GRM16, GV15, HL10b, JK15, JWH<sup>+</sup>15, JKJ<sup>+</sup>10, KCRG15, LYK19, LCC10, LH12a, LW17, LKT13, LCY<sup>+</sup>13, LZS<sup>+</sup>13, MLW12, MSS17, MG11a, MOMT12, MBSSA19, MKRM10, MKRM11, NI11, PNKI13, PPP13, PR10, Pom12a, Pom15b, QLR<sup>+</sup>11, RVL<sup>+</sup>14, RZZ<sup>+</sup>15, RRS<sup>+</sup>16, RKZ16, RZPX19, SBM15, SEY14, SDE<sup>+</sup>17, SJSLD11, SRK<sup>+</sup>17, SD13, SPH13, SBMP18, TLB<sup>+</sup>17, TLL12, VCB<sup>+</sup>13, WBZ<sup>+</sup>15, WZL<sup>+</sup>17, ZNL18, ZBK<sup>+</sup>17, ZBW17, ZL15, ZJXL11, ZQQ11]. **Fault-Aware** [RKZ16]. **Fault-Tolerance** [BWCW15, JWH<sup>+</sup>15, PPP13, RRS<sup>+</sup>16, VCB<sup>+</sup>13]. **Fault-Tolerant** [AE11, BMT14, JK15, LCC10, LW17, LZS<sup>+</sup>13, QLR<sup>+</sup>11, RVL<sup>+</sup>14, SDE<sup>+</sup>17, WBZ<sup>+</sup>15, ZBW17, ZQQ11]. **Faults** [Ano13g, DKK16, EFGT18, FD16, HK15a, Li12a, MMC15, MCM16, MKT<sup>+</sup>11, MD16, PB16, Pom12b, Pom16b, SBM15, ST16, ZHM<sup>+</sup>19]. **Faulty** [AGFM11]. **FD** [OGH<sup>+</sup>14]. **FD-Buffer** [OGH<sup>+</sup>14]. **Feasibility** [ACM<sup>+</sup>16, WHC<sup>+</sup>15a, ZD13]. **Feasible** [YZGG16]. **Feature** [AHNT16, LJVJ18, WW14, ZYC16]. **Features** [OWP16, OKD<sup>+</sup>16, PTD<sup>+</sup>12, ZMB18]. **Featuring** [RRK11]. **Feedback** [CVH<sup>+</sup>13, FD16, HZ11, MG16]. **Feistel** [BFMT16]. **Femtocell** [SPTC15]. **FESTAL** [WBZ<sup>+</sup>15]. **Few** [CLZ19, KKH<sup>+</sup>14, SBM15]. **FFT** [CYC<sup>+</sup>16, CCR<sup>+</sup>17, DCCK17, DCCK18, DALD18, SS12]. **FFT-Based** [CYC<sup>+</sup>16, DCCK17, DCCK18]. **Fi** [HWK15]. **Fidelity** [SLL15]. **Field** [ABH<sup>+</sup>13, BNP10, ERRM16, GKB<sup>+</sup>10, HMNN12, HSA14, LCwW10, MLS19, MKRM11, NWA11, UHSA17, ZM10, ZAG19]. **Fields** [ARH14, HRM11, HN11, JDA15, NR15, ZL19]. **FIFO** [FJA<sup>+</sup>17]. **File** [CS15, CCY<sup>+</sup>16, CCC<sup>+</sup>18, CLCS19,



HWSX17, HZW<sup>+</sup>12, HHW<sup>+</sup>18, JZLD10, KL16, LYB15, LKBS16, LSW15, MWZ<sup>+</sup>17, MLE14, PP11, RURM18, SCZ<sup>+</sup>16, SL13, SLC15a, SYH17, VCSG<sup>+</sup>19, WLK15, WLM15, XZL<sup>+</sup>19, YY14, YSZ<sup>+</sup>14, ZFHC19]. **Files** [RRK11]. **Filter** [AHNT16, EF12, HXVF12, LKYC12, LK15b, ML16, QZC15, SMRML17, ZL11]. **Filter-Based** [AHNT16]. **Filtering** [CWZC13, FEM<sup>+</sup>18, RM15c, SL14a, TKT16, YLY<sup>+</sup>15a]. **Filters** [ADC11, KBP13, LLLP14, NC11, PO13, VIDH19, YM11]. **Financial** [APP12]. **Finding** [Fen14, FK15, YUGD14]. **Fine** [Ged14, LSA<sup>+</sup>17, LPD<sup>+</sup>16, PSND16, SSJ<sup>+</sup>18, SNM16, WZM<sup>+</sup>16]. **Fine-Grained** [Ged14, LSA<sup>+</sup>17, LPD<sup>+</sup>16, PSND16, SNM16, WZM<sup>+</sup>16]. **Finely** [GT19]. **Finely-Pipelined** [GT19]. **FinFET** [ACM<sup>+</sup>16]. **Finite** [AWFV13, CWZ11, Hie11, Hie13, LLQ<sup>+</sup>14, LCwW10, LW13, NWA11, SP10, ZL19, ZM10]. **Finite-State** [LLQ<sup>+</sup>14]. **Finite-Time** [CWZ11]. **FIPS** [RBG<sup>+</sup>19]. **Firewall** [YCZ10]. **Firewalls** [YCZ10]. **First** [CCE<sup>+</sup>18, DSPB13, LPL12, PC16, RBG<sup>+</sup>19]. **First-Last** [CCE<sup>+</sup>18]. **First-Order** [LPL12]. **FITS** [CWZ11]. **Fixed** [BDB18, CK15, JCK15, Lee17, MBD<sup>+</sup>17, NRG15, ZZ19]. **Fixed-Point** [CK15, JCK15]. **Fixed-Priority** [BDB18, Lee17, ZZ19]. **Flash** [AKJ<sup>+</sup>13, Cha10b, CHK10, CK11, CHH<sup>+</sup>13, CCK<sup>+</sup>16a, CQW<sup>+</sup>15, CWL<sup>+</sup>17, CCL<sup>+</sup>18, CLZ19, CC11, CYL<sup>+</sup>14, DKH<sup>+</sup>13, DSG<sup>+</sup>19, FYSK14, FAK16, GKD<sup>+</sup>17, GWM<sup>+</sup>17, GCF<sup>+</sup>16, IS11, JSH<sup>+</sup>17, KLLK11, LSK13, LK16, LK14, LKLM15, LK16a, LRP16, LOX<sup>+</sup>13, LSG<sup>+</sup>18, LCY<sup>+</sup>16, LSG<sup>+</sup>15, LSGZ16, MLE14, NKEM11, OGH<sup>+</sup>14, PDXZ13, PP11, PPKW12, PRM19, ROGHNB<sup>+</sup>18, SNY<sup>+</sup>10, SKM14, SYK14, TCYH15, UMN18, WLC<sup>+</sup>15, WW16, WLY<sup>+</sup>14, YCKH16, YCK16]. **Flash-Aware** [GCF<sup>+</sup>16, IS11]. **Flash-Based** [CYL<sup>+</sup>14, FAK16, JSH<sup>+</sup>17, LSK13, LK16a, LRP16, LSG<sup>+</sup>15, LSGZ16, MLE14, SKM14, WLC<sup>+</sup>15, WW16]. **Flash-Cache** [SYK14]. **Flash-Dissemination** [DKH<sup>+</sup>13]. **Flash-Memory** [CK11, CHH<sup>+</sup>13]. **FlexCL** [LWZ18]. **Flexibility** [BCTV15, SLL15]. **Flexible** [CW10, CGL<sup>+</sup>18, CLM<sup>+</sup>19, DCL<sup>+</sup>11, GT19, IB10, KLC<sup>+</sup>16, NS13]. **FlinkCL** [CLOL18]. **Flip** [SMK<sup>+</sup>16, YTND12]. **Flip-Flops** [YTND12]. **Flit** [MWLJ15]. **Floating** [AMG17, BLMM16, BGHL19, CHCK12, CI16, FKMK16, GH11, GNTS13, GABK11, HMS<sup>+</sup>12, JPG10, JKMR11, JLMP11, JMMP16, KGD16, LP17, Lef17, LCW<sup>+</sup>16, MKFM13, Nan19, PGvdG14, SS12, VVMAZ12, VMHGN18, WF17, ZMR<sup>+</sup>13, ZCK19, dDLM11]. **Floating-ECC** [FKMK16]. **Floating-Point** [BLMM16, BGHL19, CHCK12, CI16, GH11, GNTS13, GABK11, HMS<sup>+</sup>12, JPG10, JKMR11, JLMP11, JMMP16, KGD16, LP17, Lef17, LCW<sup>+</sup>16, MKFM13, Nan19, PGvdG14, SS12, VVMAZ12, VMHGN18, ZCK19, dDLM11]. **Flooding** [GHG<sup>+</sup>14]. **Floor** [BGRH15]. **Floorplan** [WXW<sup>+</sup>14]. **Flops** [YTND12]. **FLOTT** [GNSR14]. **Flow** [AT16, ASS<sup>+</sup>18, BCD<sup>+</sup>16, CCV<sup>+</sup>11, CBZ14, DDN14, DRS<sup>+</sup>16, GAFN15, JW16, JPLP13, KKY<sup>+</sup>16, MWLJ15, MBD11, MD13, MBGS10, OPAGS14, PAP13, PTD<sup>+</sup>12, QSYS16, STR15, SLS<sup>+</sup>12, TSK16, VA11]. **Flow-Based** [PAP13]. **Flow-Level** [JPLP13]. **Fluid** [JWWZ16, KCE<sup>+</sup>18, LRP<sup>+</sup>18, MBM11, LRP<sup>+</sup>18]. **Fluid-Based** [LRP<sup>+</sup>18]. **Flush** [LKBS16]. **Fly** [DHM16, Pip11, VCG<sup>+</sup>12, YLY15b]. **FMA** [BM11, HMS<sup>+</sup>12]. **Focus** [YXWL16]. **Fog** [ZGG<sup>+</sup>16]. **Folded** [CTH14, HTC13]. **Fool** [YGS15]. **Forest** [Cro14, LSX13]. **ForestDB** [ASM<sup>+</sup>16]. **Form** [ACO12, LMZQ17, LPW10, PCHS14, VIDH19]. **Formal** [ABSK15, BIP<sup>+</sup>17, HTA10, HSA14, LJ18,

Rus13, SKEB16, UHSA17]. **Formalizing** [LY17]. **Formation** [LTP<sup>+</sup>14]. **Formats** [AMG17, HV16]. **Forming** [JWWZ16]. **Formulas** [CNH13, Ose11]. **Formulation** [GGL<sup>+</sup>14, ZD13]. **Formulations** [PSL17]. **Forward** [HLT<sup>+</sup>15]. **Forwarding** [CSJ<sup>+</sup>11, FS10, MS12, WGZ<sup>+</sup>15]. **Fourier** [GTRMG18]. **FP** [FVV12]. **FP-Arithmetic** [FVV12]. **FPGA** [ALW11, AD13, BBA19, CJSM17, FML10, GP14, JC12, KAH18a, KN13, KL13, LW17, LMB17, LLD19, MLS19, PTD<sup>+</sup>12, PBT13, PMH<sup>+</sup>14, ROGHNB<sup>+</sup>18, RJV<sup>+</sup>18, SDP<sup>+</sup>15, SME<sup>+</sup>17, TB15, VMB19, YP12]. **FPGA-Based** [BBA19, CJSM17, GP14, JC12, KAH18a, LMB17, PMH<sup>+</sup>14, ROGHNB<sup>+</sup>18, RJV<sup>+</sup>18, TB15]. **FPGAs** [ABB17, AKL14, EKA17, GT19, GEN<sup>+</sup>17, GBA18a, GTRMG18, HVZ13, IBH<sup>+</sup>13, KK18, LSC11, LP17, LWZ18, MB16, NZ15, NY15, NYHB16, RURM18, RTRM19, SBMP18, WLW<sup>+</sup>14, WMG18, WDSP12, BMS11]. **FPTAS** [NRG15]. **FPU** [MKFM13]. **Fragile** [BIP<sup>+</sup>17]. **Fragmentation** [KWC<sup>+</sup>16]. **Frame** [DA12]. **Frame-Based** [DA12]. **Frames** [GM15]. **Framework** [ARGT14, BGPV10, CXLL16, DHC<sup>+</sup>16, Fin10, GVPS19, GZG<sup>+</sup>16, HCSW15, HDYS16, KPBC17, KCW<sup>+</sup>17, LKLG13, LR16, LMJ14, LHL15b, LJY<sup>+</sup>15, LQD<sup>+</sup>16, LZZ16, LJL13, MYHL16, PBL16, PNKI13, RVC<sup>+</sup>15, SBP16, SVD18, SCK10, SCZ<sup>+</sup>16, SMN<sup>+</sup>17, SPTC15, WZZ10, WLYY16, WLZ10, YTD<sup>+</sup>18, YZGG16, YAGB17, ZJL<sup>+</sup>16]. **Free** [BZ14, CT13, CJG16, CSJ<sup>+</sup>11, DSPB13, FG10, GDJZ18, HTA17, LKLT12, PCHS17, RRS<sup>+</sup>16, ST11b, WP16, WMG18]. **FREM** [LL11]. **Frequency** [DA12, FCB<sup>+</sup>19, KkC15a, LHTG15, NYHB16, NY19, WBGI19]. **Freshness** [LHC<sup>+</sup>14, LcZLG19, RHC<sup>+</sup>14]. **Friendliness** [KIJ14]. **Friendliness-Aware** [KIJ14]. **Friendly** [FVV12, SZDL14, ZM17]. **Friends** [JWWZ16]. **FSA** [LZS<sup>+</sup>13]. **FTCAM** [FAK16]. **FTH** [BMT14]. **FTH-B&B** [BMT14]. **FTL** [HLY14, YLH13]. **Full** [WWT<sup>+</sup>18]. **Full-Chip** [WWT<sup>+</sup>18]. **Fully** [CMO<sup>+</sup>16, DOS15, HFG<sup>+</sup>17, L XK12, WHC<sup>+</sup>15a]. **Fully-Pipelined** [HFG<sup>+</sup>17]. **Function** [Bai17, BLB<sup>+</sup>19, CA12a, CJSM17, DKLB15, HWCH17, RJV<sup>+</sup>18, Tho15, WEX14, dDLM11]. **Functional** [BCSR14, BC16, GPRS17, GAFN15, JLMH10, JRJ<sup>+</sup>18, LQD<sup>+</sup>16, Pom12a, Pom12b, Pom13a, Pom13b, Pom14, Pom15a, Pom15c, Pom15b, Pom16a, YTND12, ZRL15]. **Functionalities** [SBP<sup>+</sup>14]. **Functions** [AFC10, AR17, BHR17, JLMP11, JRP<sup>+</sup>14, KM11, KFB<sup>+</sup>15, LJ13, dLSGDR17, SKM<sup>+</sup>13, SDP11, TSA<sup>+</sup>19, ZYHZ16, vdBGLGL<sup>+</sup>16]. **Fused** [SS12, WF17, ZYW<sup>+</sup>16, ZCK19]. **Fuzzy** [EFPC16, GSH<sup>+</sup>14, LZ15, PdG13, USH19, XJWW13]. **Fuzzy-Controlled** [PdG13]. **FV** [MRL<sup>+</sup>18, RJV<sup>+</sup>18]. **Gains** [CA12a]. **Galois** [HSA14, UHSA17]. **Game** [CB15, EFPC16, SCK10]. **Games** [BSM<sup>+</sup>14, BKV12, CFW14]. **Gaming** [DGC<sup>+</sup>15]. **Gappa** [dDLM11]. **Garbage** [CW10, DSW<sup>+</sup>14, LSK13, LTW<sup>+</sup>12, UMN18]. **Gate** [GSK12]. **Gates** [Ibr16]. **Gateway** [SME<sup>+</sup>17]. **Gathering** [WLYY16, ZMY11, ZY12]. **Gating** [LW17, RRK11]. **Gauges** [ROGHNB<sup>+</sup>18]. **Gauss** [CCR<sup>+</sup>17]. **Gaussian** [AMR18, AB16, ARM13, ERRM16, FB13, GPR<sup>+</sup>19, HFG<sup>+</sup>17, HKR<sup>+</sup>18, KRR<sup>+</sup>18, RMERM19, WJL<sup>+</sup>12, WZCG16, ZGY13, ZGY14, ZR15b]. **GCM** [JL11, MKRM12]. **GCMA** [PKY19]. **GDP** [WTZ<sup>+</sup>19]. **Gene** [WGW<sup>+</sup>15]. **Gene/Q** [WGW<sup>+</sup>15]. **General** [GZG<sup>+</sup>16, HTA17, LKLG13, LL11, LJL13, SHGW15, SJVR19, WLZ10, ZBW17]. **General-Purpose** [SJVR19]. **Generalization** [CSCW13, JDA15]. **Generalized** [BFMT16, GL19, HBAD14,

JWL<sup>+</sup>16, PAP13]. **Generalizing** [LP13b]. **Generate** [BGM<sup>+</sup>13]. **Generated** [CW15, YLY15b]. **Generating** [AFH<sup>+</sup>10, HT16, LB15a, SN16]. **Generation** [AK16, CM11, CYA13, CCD12, FM19, FD16, GT19, GJ14, GSK12, NZ14, NM10, Pom14, Pom16a, TXL11, USP<sup>+</sup>13, VK15, ZLY15]. **Generator** [CLC<sup>+</sup>16, Jes15]. **Generators** [MG16, YMAG17]. **Generic** [WCL<sup>+</sup>18]. **Genetic** [CJSM17, LJVJ18, QML<sup>+</sup>15]. **Genomic** [KPBC17]. **Genomics** [GKC19]. **Genuine** [WJY<sup>+</sup>17]. **Geo** [BBPQ15, CPL17, GZB<sup>+</sup>15, GZG<sup>+</sup>16]. **Geo-Distributed** [BBPQ15, CPL17, GZB<sup>+</sup>15, GZG<sup>+</sup>16]. **Geographic** [CSJ<sup>+</sup>11, CBVL16]. **Geometric** [EG11, FGS<sup>+</sup>15, SZS14, WF14]. **Geometry** [EG11]. **Georouting** [RS13]. **Getting** [Jun16]. **GF** [GT19]. **GliFreD** [WMG18]. **Glitch** [FNS16, WMG18]. **Glitch-Free** [WMG18]. **Global** [GYC<sup>+</sup>16, GHK15, MTGM12, YPB<sup>+</sup>16, ZL15]. **Globally** [GGA<sup>+</sup>17]. **GNB** [PCHS18, WF12]. **Goldschmidt** [KS10b, KKS14, PB11]. **GPGPU** [ADP<sup>+</sup>15, CVPS19, LLC<sup>+</sup>16, MWZ<sup>+</sup>17, YEG<sup>+</sup>15]. **GPGPU-MiniBench** [YEG<sup>+</sup>15]. **GPGPUs** [JJZ<sup>+</sup>16, LKJ15]. **GPS** [LKLT12]. **GPS-Free** [LKLT12]. **GPSR** [LYCT10]. **GPSR-Like** [LYCT10]. **GPU** [CLOL18, DALD18, GD17, GBF<sup>+</sup>19, KLC18, LR16, LSA18, LMT13, MTFK19, PTD<sup>+</sup>12, SCSL12, SKYK16, VCSG<sup>+</sup>19, VAN<sup>+</sup>18, WZK<sup>+</sup>19, XHZC16, ZS13, ZYW<sup>+</sup>16, ZRL15]. **GPU-Accelerated** [MTFK19, SCSL12]. **GPU-Aware** [KLC18]. **GPU-to-GPU** [ZS13]. **GPUs** [LWKA15, LKK<sup>+</sup>17, LLCC13, MB16, OYP<sup>+</sup>18, OKY<sup>+</sup>19, XLL<sup>+</sup>18, YLML15, ZMW<sup>+</sup>19, vdBGLGL<sup>+</sup>16]. **GPUvm** [SKYK16]. **Gradients** [Cro14]. **Grain** [SBM15]. **Grained** [CCY<sup>+</sup>16, Ged14, JLKR19, LSA<sup>+</sup>17, LPD<sup>+</sup>16, PSND16, SNM16, WZM<sup>+</sup>16]. **Granular** [KKT15, LFH<sup>+</sup>16]. **Granularity** [LHH17, QZC15, SSJ<sup>+</sup>18]. **Graph** [DHW<sup>+</sup>19, DLL<sup>+</sup>12, GZC<sup>+</sup>17, GWZ<sup>+</sup>10, PPB<sup>+</sup>14, SX12, SD13, WZW<sup>+</sup>19, XYHD17, ZLXW15]. **Graph-Based** [SX12]. **Graphics** [CCLH10, GBA<sup>+</sup>18b, HTA17, LR10, dOPSR16]. **Graphs** [CH11, CL12, CH13, CCH15b, HFZ13, HLWV17, HNB<sup>+</sup>12, LMB13, MBB<sup>+</sup>17, MY10, SBI12, UMN18, ZLJ<sup>+</sup>17, dRV12]. **Gray** [ABA07, BTBB14, BBH12, Jha13, HBAD14]. **Gray-Box** [BTBB14]. **Greedy** [EG11, GLXY13, WTZ<sup>+</sup>19]. **Green** [QML<sup>+</sup>15, LWKA15]. **Greening** [LSHC15]. **Grid** [AD14, WZY16, ZV14]. **Grids** [BR13, HV13, SH12]. **Group** [CLW16b, HFZ13, HL10a, Har13, Hia16, JCM16, LHYZ13, LCCJ13, SJC<sup>+</sup>17a, TKL<sup>+</sup>14, ZYHZ16]. **Grouping** [GWZ<sup>+</sup>10, LBWH11, SDZ15]. **Grow** [DYJ19]. **Grow-and-Prune** [DYJ19]. **Growing** [YCKH16]. **GSV** [MTGM12]. **Guarantee** [AD14, LZ15, LH11, WZLX12, ZWC<sup>+</sup>18]. **Guaranteed** [CWTT13, GY13, KS10a, MLOL15, PKY19, RRS<sup>+</sup>16, RS13]. **Guaranteeing** [NLP<sup>+</sup>14, ZRS<sup>+</sup>16]. **Guarantees** [FS10, HC13b, ZWLS15]. **Guardband** [KAH19]. **Guardbanding** [RBG14]. **Guessing** [XJWW13]. **Guest** [BKP16, CHTD19, DPO17, WHBR16, XL16, AHI12, AISA16, Avr13, BKPMC13, BMM11, BS10, BCS11, BdD19, EM12, GC14, GM11, LLK18, MG11a, MOS14, NST14, ST11a, VP14, ZMS13]. **Guided** [LSG<sup>+</sup>18, LH11, NC11, SRK<sup>+</sup>17, TKT16]. **H** [JAS<sup>+</sup>15]. **H-SVM** [JAS<sup>+</sup>15]. **H.264** [SRK<sup>+</sup>17]. **HALLS** [KA19]. **Hamiltonian** [AB16, HBAD14]. **Handauth** [HBCC13]. **Handling** [CBB19]. **Handover** [HBCC13, JLKR19]. **Hard**

[AE11, CW10, CYCC11, EKA17, HV12, HK15a, KMC17, KK10, LP17, MBSSA19, RCN11, WLY<sup>+</sup>14, WA10, XWL<sup>+</sup>16b].

**Hardened** [CPRH16]. **Hardening**

[KwPK<sup>+</sup>15, MTGM12]. **Hardness**

[JWH<sup>+</sup>15, XTF<sup>+</sup>12]. **Hardware**

[ADJ12, AVG<sup>+</sup>15, AS10, ADC11, BQP<sup>+</sup>16, BEHL<sup>+</sup>19, BKPMC13, BCSR14, BDMLN16, BCMJ10, CMLRHS13, CVH<sup>+</sup>13, CCAM14, DJJ<sup>+</sup>08, DOS15, DW10, DKK16, ERRMG15, FVV12, GKB<sup>+</sup>10, GBD<sup>+</sup>15, GLP15, GCS<sup>+</sup>13, HFG<sup>+</sup>17, HSA14, HWG<sup>+</sup>14, HCG<sup>+</sup>16, HC17, HEGE11, HNB<sup>+</sup>12, JSC10, JAS<sup>+</sup>15, KAK18, KT12, LK10, Lee12, LH16, LKH16, LCL17, LLW<sup>+</sup>11, LTLC12, LGH<sup>+</sup>17, LLKA19, MGdC<sup>+</sup>18, MSPK12, MLCH10, MGW14, MW10, MRL<sup>+</sup>18, MKRM12, MF14, NDC<sup>+</sup>13, OWP16, OKD<sup>+</sup>16, PC16, ROH17, RWC18, RCK<sup>+</sup>16, RTL<sup>+</sup>18, RM15c, SOM<sup>+</sup>13, SBP<sup>+</sup>14, SKPK10, SDP11, TW10, TB15, TCK<sup>+</sup>18, TGNSC11, THGT13, TS11, USP<sup>+</sup>13, UdDG<sup>+</sup>17, VAN<sup>+</sup>18, VIDH19, WGW<sup>+</sup>15, WHYS16, XMH13, YCK16, ZCZ<sup>+</sup>19, ZZ17, ZYW<sup>+</sup>16, ZL19, ZM17, ZAG19, Zot10]. **Hardware-Assisted** [ADC11, JAS<sup>+</sup>15, LLKA19, RTL<sup>+</sup>18].

**Hardware-Based**

[MGdC<sup>+</sup>18, OKD<sup>+</sup>16, RM15c, USP<sup>+</sup>13].

**Hardware-Efficient** [XMH13].

**Hardware-Friendly** [ZM17].

**Hardware/Software** [HWG<sup>+</sup>14, JSC10, LK10, LH16, MRL<sup>+</sup>18, WHYS16]. **HARL** [HWSX17]. **Harmonised** [HT16].

**Harmony** [LYL<sup>+</sup>19]. **Harvesting**

[AS16, CQ14, MMH14]. **Hash** [AR17, AS16, HC13b, LRY<sup>+</sup>15, vdBGLGL<sup>+</sup>16].

**Hash-Based** [AS16]. **Hashing** [ASBdS16, BKL<sup>+</sup>13, LLL11, PRM16]. **HDD**

[HWS<sup>+</sup>17]. **HDD/SSD** [HWS<sup>+</sup>17].

**Healing** [CWL<sup>+</sup>17]. **Health**

[BWCW15, GLTC16, XWL<sup>+</sup>16b, ZL18].

**Healthy** [YSLL16]. **Heating** [CWL<sup>+</sup>17].

**Hellman** [FHLOJRH18, LNL<sup>+</sup>19].

**HEPCloud** [RJV<sup>+</sup>18]. **Heterogeneity**

[CCC<sup>+</sup>17, CNJ14, CCK<sup>+</sup>16b, CLMM11, HWS<sup>+</sup>17, HWSX17, LK14, LPD<sup>+</sup>16, XLJ16].

**Heterogeneity-Aware**

[CNJ14, HWS<sup>+</sup>17, HWSX17].

**Heterogeneous**

[AQPM15, AT16, Ano11f, BMP<sup>+</sup>10, BPT10, CFR<sup>+</sup>14, CLS14, CLOL18, CRJZ16, CYC11, CDK<sup>+</sup>18, DSB13, DFP<sup>+</sup>13, FMTK19, FAA10, GY14, GW16, HLA<sup>+</sup>17, JKD<sup>+</sup>19, KPS<sup>+</sup>17, KFB<sup>+</sup>15, KKC17, LRC10, LR18, LXDV17, LTVL15, LZZV16, MYHL16, NEE18, PKC<sup>+</sup>17, PBL16, QWB<sup>+</sup>13, TLZV11, TCHL18, ZLBB19, ZJL<sup>+</sup>16, ZQQ11, ZLLX15, ZMS13].

**Heterogeneous-ISA** [TCHL18]. **Heuristic**

[JWH<sup>+</sup>15, KCS<sup>+</sup>13, KL13]. **Heuristics**

[IB10]. **Hierarchical**

[BMT14, BBB16, HWCH17, KKY<sup>+</sup>16, NH10, PZZQ19, TLH<sup>+</sup>16, TLB<sup>+</sup>17, ZHW<sup>+</sup>16].

**Hierarchy**

[DHW<sup>+</sup>19, GO10, LKJ15, OOD<sup>+</sup>17].

**Hierarchy-Aware** [OOD<sup>+</sup>17]. **High**

[ARM16, AFC10, AS10, ASBdS16, Ano13f, AS12, BGHL19, CCH<sup>+</sup>15a, CLM<sup>+</sup>19, CWY13, CDL<sup>+</sup>17, FFISC13, FEM<sup>+</sup>18, FG10, GZC<sup>+</sup>17, GAFN15, GJ15, GY13, GCS<sup>+</sup>13, HK13a, HZ11, HLY14, IS11, JDA<sup>+</sup>16, JC12, JHQL16, KAH18a, KIJ14, KBH<sup>+</sup>10, KLC18, Kor15, KAK18, KHZ17, LLC<sup>+</sup>16, LS10a, LMJ14, LCL17, LZZ<sup>+</sup>17b, LSG<sup>+</sup>15, MEBS17, MM17, MIS<sup>+</sup>14, MKRM11, MKRM12, NWA12, ORM10, OPV<sup>+</sup>17, OMFH14, PLM16, PP11, PvdGG12, PBT13, QWB<sup>+</sup>13, QLH<sup>+</sup>16, RVL<sup>+</sup>14, RSG<sup>+</sup>19, SMTK12, SCSL12, SME<sup>+</sup>17, Tho12, TCK<sup>+</sup>18, VC10, VAM10, WWY<sup>+</sup>18, WDSP12, XJFH15, YP12, YAG19, ZZ17, ZL16, ZLSI17, ZZJ<sup>+</sup>19, ZMW<sup>+</sup>19, ZCC<sup>+</sup>14].

**High-Dimensional** [KLC18, MEBS17].

**High-Level** [GAFN15, MIS<sup>+</sup>14].

**High-Performance**

[AS12, FG10, GCS<sup>+</sup>13, HLY14, IS11, JC12, JHQL16, KBH<sup>+</sup>10, KAK18, LS10a, LZZ<sup>+</sup>17b, LSG<sup>+</sup>15, MKRM11, MKRM12,

ORM10, PP11, PvdGG12, QWB<sup>+13</sup>, RVL<sup>+14</sup>, SCSL12, VAM10, WWY<sup>+18</sup>, YP12, YAG19, ZZJ<sup>+19</sup>, ZMW<sup>+19</sup>].

**High-Precision** [BGHL19]. **High-Radix** [AS10, Kor15]. **High-Speed**

[ARM16, Ano13f, CCH<sup>+15a</sup>, GJ15, GY13, HK13a, HZ11, NWA12, PBT13].

**High-Throughput** [AFC10, FFISC13, KAH18a, LCL17, OMFH14]. **Higher**

[BMZ17, UHSA17, ZMB18]. **Higher-Order** [BMZ17, ZMB18]. **Highly** [CCP<sup>+13</sup>,

GEN<sup>+17</sup>, IBH<sup>+13</sup>, KA19, SZDL14]. **History** [LBN14, Liu11]. **Hoc** [CWZ11, CS15,

CWTT13, CWY13, DLL<sup>+12</sup>, FS10, GDY15, LYCT10, RDEN10, TH11, XWY10]. **Hole**

[Amm14, PC16]. **Holes** [MMB14, WS15].

**Holistic** [MJW<sup>+14</sup>, STK16].

**Homogeneous** [ML18, TFCY16, ZMRQ11].

**Homomorphic**

[CMO<sup>+16</sup>, CJ13, DOS15, KGV16, Kim15, LCLL15, MLW12, MRL<sup>+18</sup>, MBF18, ÖDSS17, RJV<sup>+18</sup>, WHC<sup>+15a</sup>, YCK10].

**Hook** [MAG<sup>+17</sup>]. **Hop**

[LWY15, MWY<sup>+16</sup>, ZY12]. **Hope** [SD18].

**Hopping** [LWY15]. **Horizontal** [LLD<sup>+16</sup>].

**Host** [CH14, SRCbL<sup>+15</sup>, WFY<sup>+17</sup>,

YCW<sup>+19</sup>, ZS13]. **Host-Aware** [YCW<sup>+19</sup>].

**Host-Based** [CH14]. **Host-to-Host** [ZS13].

**Hosting** [PAP13]. **HotGraph** [ZLJ<sup>+17</sup>].

**Hotspot** [STK16]. **Hotspots** [GBF<sup>+19</sup>].

**HOWP** [LHYZ13]. **HOWP-Based**

[LHYZ13]. **HPC** [HLC<sup>+19</sup>, SC18]. **HRC**

[WJY<sup>+17</sup>]. **HRT** [WLY<sup>+14</sup>]. **HRT-PLRU**

[WLY<sup>+14</sup>]. **HUB** [VMHGN18]. **Human**

[OPZ15, SLC<sup>+15b</sup>, WW14].

**Human-Centric** [SLC<sup>+15b</sup>]. **Hundred**

[DJN17]. **HW** [DMK<sup>+15</sup>, MH19]. **HW/SW**

[MH19]. **Hybrid** [ARM16, ADI11, AYC16,

AFH<sup>+10</sup>, Ano13g, ARM13, BBB<sup>+17</sup>,

Cha10b, CC11, CDL<sup>+17</sup>, DHW<sup>+19</sup>, DJA14,

ERRM16, FRB<sup>+18</sup>, GD17, GCD<sup>+11</sup>, GY13,

HNV19, HWS<sup>+17</sup>, HCL15, HK15b, HV14b,

JYL<sup>+17</sup>, KKY<sup>+16</sup>, LBN14, LCL15, LLL11,

LLW<sup>+11</sup>, LFH<sup>+16</sup>, LLD19, LKMSA16,

LCLC19, MRW<sup>+15</sup>, RVL<sup>+14</sup>, RSNK17, RBG<sup>+19</sup>, SMA19, SPTC15, SME<sup>+17</sup>, SR14, TAH<sup>+16</sup>, VSLD15, WWY<sup>+16</sup>, WGLL13, WS15, WLS18, XXBL17, YY10].

**Hybrid-Double**

[ARM16, ARM13, DJA14, ERRM16].

**Hybrid-Memory** [BBB<sup>+17</sup>].

**Hybrid-Switched** [LKMSA16].

**Hybrid-Systems** [AFH<sup>+10</sup>].

**Hybrid-Triple** [ERRM16]. **Hydra**

[SNY<sup>+10</sup>]. **Hyper** [ADP<sup>+15</sup>].

**Hyper-Real-Time** [ADP<sup>+15</sup>]. **Hyperbolic**

[EG11, dLSGDR17]. **Hypercube**

[SKA10, Tsa13, WW14, YLL16, ZWYY15].

**Hypercube-Based** [WW14].

**Hypercube-Like** [Tsa13, YLL16].

**Hypercubes** [CTH14, HTC13, HBAD14].

**Hypermesh** [HWL<sup>+14</sup>]. **Hyperperiod**

[RBR13]. **Hypervisor** [JAS<sup>+15</sup>, SKYK16].

**HyVE** [DHW<sup>+19</sup>]. **HyWin** [GD17].

**I/O**

[BBP<sup>+13</sup>, DYHX16, GKD<sup>+17</sup>, HWS<sup>+17</sup>,

HS18, HQLX15, HLC<sup>+19</sup>, KSJ<sup>+12</sup>, KRP18,

LKBS16, SYH17, SHH<sup>+16</sup>, TAH<sup>+16</sup>, ZL16].

**I/O-Redirection-Based** [HQLX15]. **I/Os**

[WZW<sup>+19</sup>, ZLWZ15]. **IaaS** [FLL14, GHL17].

**iAware** [XLL<sup>+14</sup>]. **IBM** [MBC<sup>+13</sup>].

**iBuddy** [PCLN15]. **ICCI** [GGFPG15]. **Ice**

[ADP<sup>+15</sup>, SVAB14]. **ICs**

[SVAB14, XCF16, YEY<sup>+16</sup>]. **ID2S**

[YRT<sup>+16</sup>]. **Ideal**

[RM15a, SMB<sup>+15</sup>, SWZG11, WCL<sup>+18</sup>].

**Identical** [OCK17]. **Identifiability** [ZC13].

**Identification** [BTBB14, LWL<sup>+16</sup>, Pom12b,

YXWL16, ZCC<sup>+14</sup>]. **Identifiers** [HT16].

**Identifying** [lbr16]. **Identity**

[FHH10, HSM14, LLC<sup>+15</sup>, XJW<sup>+16</sup>].

**Identity-Based**

[FHH10, HSM14, LLC<sup>+15</sup>, XJW<sup>+16</sup>]. **Idle**

[CYL<sup>+14</sup>]. **Idle-Time** [CYL<sup>+14</sup>]. **IEEE**

[Ano10d, Ano10e, Ano10b, Ano13e, Ano15a,

Ano16a, Ano17a, BKP16, CTS13, HXVQ15,

Liu11, NBZP17, SMB<sup>+15</sup>, ZICL12, ZNL18,

Ano13c, Ano18a, Ano19a, CHTD19, DPO17]. **If** [YGS15]. **IIPS** [WZBB15]. **IIR** [VIDH19]. **IMA** [NLP+14]. **Image** [AKL18, FGS+15, PTD+12, SOM+13, TKT16, ZGG+16]. **Images** [LHCL13]. **Imaging** [KN13]. **Impact** [CBTU14, GBGI18, KBP13, MKT+11, PC10]. **Implement** [CXLL16]. **Implementation** [AFC10, Bai17, BM13a, BDMLN16, CFR+14, CS11b, DJJ+08, FVV12, FHLOJRH18, FGS+13, GKB+10, GLP15, GCS+13, IDG+17, JRC14, KSS12, KMLH11, KGV16, Lee12, LYB15, LCH13, MLE14, MNK11, PRM16, QWB+13, RM15a, SDP+15, SJS+14, SDP11, SS12, YSZ+14, Yun12, ZPM+15, ZL18, dDLM11]. **Implementations** [BJ10, CMLRHS13, CCRL19, ERRMG15, LGH+17, MLCH10, MG16, SMRML17, STE17]. **Implemented** [GTRMG18, RURM18]. **Implementing** [BMS11, CCV+11]. **Implication** [Tho15]. **Implications** [SLLG15, WCM+16, ZWD+16]. **Importance** [YRG13]. **Imprecise** [LGS+18]. **Improve** [CJA+16, LYCT10, LHH14b, MJWT16, YCK16]. **Improved** [ABH+13, BLB+19, CNH13, CHCK12, DS14, Fuj11, GPR+19, HIJ+19, HJF+13, LT14, LHPH15, Lee17, LCH+15, LCCJ13, MWW14, MLS19, MM17, MG11b, Ose11, Pom12a, RCN11, SJS10, VAM10, WJM15, ZGB+15]. **Improvement** [CK11, CZ16, MEBS17, Pom15b, WCM+16, ZWD+16]. **Improving** [AK19, CDQB15, CHK10, Fen14, HGCT13, JZLD10, KLK18, LK14, LKK+17, LR18, LLW+11, LCY+16, Pom16b, RKR15, SMK+16, WZL+17, WJF+11, XLC14, YyHL11, YCW+19, ZHM+19]. **Impulse** [LHCL13]. **In-Cache** [GGFPG15]. **In-Line** [ROGHNB+18]. **In-Memory** [CLOL18, GIKR19, SSGB19, SCZ+16, ZCZ+19, ZHGX19]. **In-Memory-Computation** [AAR19]. **In-Network** [VBR+13]. **In-Order** [RRK11]. **In-Place** [LNCX18]. **In-Situ** [NY15]. **In-System** [SN16]. **In-the-Field** [MLS19]. **Incentive** [FLJ14]. **Incoming** [Lou19]. **Incomplete** [NS13]. **Incorporating** [SRCK10]. **Increased** [PRM16]. **Increasing** [CRG+13, DY14, MMAC19, NLP+14]. **Incremental** [BC16, CLW+16a, DLC+13, TC14]. **Independent** [DEE17, MPZ15, MKRM10, TYWC10, Tse12, USP+13, VED+16, YCKH16]. **Index** [AKJ+13, Ano11a, Ano12a, Ano13a, Ano14a, Ano15a, Ano16a, Ano17a, Ano18a, Ano19a, DALD18, KLK17, KLC18, SJD+18]. **Index-Based** [KLK17]. **Index-Digit** [DALD18]. **Indexing** [GYC+16, RXC+15, WYL+15, XJFH15]. **Individual** [dRV12]. **Induced** [DSG+19, GBA18a, HK16, KWC+16, ST16, dOPSR16]. **Inductions** [LDP10]. **Inductive** [TMS+14, YEY+16]. **Inductive-Coupling** [TMS+14]. **Industrial** [SXLC15]. **Inefficiency** [LZW+15]. **Inexact** [AKL18, LCW+16]. **Infected** [YKK+15]. **Inference** [LJVJ18, NY19, XP10]. **Information** [CWTT13, GGFP15, HCSW15, LOH17, LKLT12, OPAGS14, RKN+18, SLL15, WHC+15b]. **Information-Centric** [LOH17]. **Infrastructure** [HLF14, MCC12, WZBB15, XH16]. **Inherently** [SKA10]. **Inheritance** [BGRH15]. **Inherited** [HH17]. **Injection** [EGVFC+12, PNKI13, YLY+15a]. **Injections** [SBMP18]. **Inline** [WWY+18]. **Innovation** [DPO17]. **Input** [ACGP13, BGMR13, Ibr16, NCD+17, SJS10, ZWLS15]. **Input-Queued** [ACGP13, BGMR13]. **Input/Multi** [TWTT11]. **Inputs** [BCK+16]. **Insensitive** [OMFH14, XSR15]. **Insertion** [JSC+19, YTND12]. **Inspection** [LW13, LPCW14, ROGHNB+18]. **Inspired** [LSZ+15, PBL16, SCJ+16b]. **Instance** [JT15]. **Instant** [YXZZ14]. **Instantiating** [CMRH17]. **Instruction**

[DZ10, GBF<sup>+</sup>19, JLKR19, LYH11, LSA<sup>+</sup>17, MKT<sup>+</sup>11, MIS<sup>+</sup>14, RS17, SMAR<sup>+</sup>19, TCK<sup>+</sup>18, ZYY18]. **Instruction-Based** [ZYY18]. **Instruction-Level** [MKT<sup>+</sup>11]. **Instruction-Set** [LSA<sup>+</sup>17]. **Instructions** [IS14, JL11, LSC11, USP<sup>+</sup>13]. **Instrumentation** [GBF<sup>+</sup>19, GDJZ18]. **Instrumentation-Free** [GDJZ18]. **Integer** [ADJ12, CL10, CZS<sup>+</sup>19, CND<sup>+</sup>18, GNTS13, MCT19, RV13, ROH17, TGNCS11, UdDG<sup>+</sup>17, WHL<sup>+</sup>12]. **Integers** [MG11b]. **Integral** [ZOK<sup>+</sup>19]. **Integrated** [ASS<sup>+</sup>18, CWZC13, CKN14, DYHX16, DAPS14, GWMB13, LSW15, TS11, ZLYS15]. **Integrating** [HSH<sup>+</sup>10, WZZ10]. **Integration** [ALW11, DFP<sup>+</sup>13, LKK<sup>+</sup>19, LVF19, VGF16]. **Integrity** [JCM16]. **Intelligence** [JRP<sup>+</sup>14, SLC15a]. **Intelligent** [FMTK19, MFT<sup>+</sup>17, STK16]. **Intensive** [RLSK18, WSZ<sup>+</sup>16, WGR<sup>+</sup>14, YZHX12]. **Inter** [cCWS14, SMN<sup>+</sup>17]. **Inter-Application** [cCWS14]. **Interacting** [YMT13]. **Interaction** [TZL<sup>+</sup>14]. **Interactions** [cCWS14]. **Interactive** [ZT15]. **Interconnect** [KL13, ZGY14]. **Interconnected** [LKT13]. **Interconnecting** [LW15]. **Interconnection** [CMB13, CTD<sup>+</sup>16, FB13, SRR<sup>+</sup>16, SMN<sup>+</sup>17, Ste14]. **Interconnects** [AKL14, DCY<sup>+</sup>13, FAA10, HJBM14, PVKA14, SC18]. **Intercore** [WLQS13]. **Interdependent** [HWSN15]. **Interface** [DDN14, DRS<sup>+</sup>16, SBP<sup>+</sup>14]. **Interface-Based** [DRS<sup>+</sup>16]. **Interfaces** [Hie13]. **Interference** [HWK15, LGF<sup>+</sup>15, PC10, XWL<sup>+</sup>16a, XLL<sup>+</sup>14, XLJ16]. **Interference-Aware** [XWL<sup>+</sup>16a, XLL<sup>+</sup>14, XLJ16]. **Interlaced** [FF16]. **Interleaved** [KVV10]. **Interleaving** [CVGZ15, KS10a]. **Internal** [GJ15, HK13a, KWC<sup>+</sup>16]. **Internet** [CLX14, CAGM14, LHH14b, LGH<sup>+</sup>17, PPB<sup>+</sup>14, XLF15, YZF<sup>+</sup>10]. **Internet-Based** [CAGM14]. **Internode** [YLA10]. **Interplay** [DA12, GHK15, HXL11, ZZX<sup>+</sup>15]. **Interpolation** [WEX14]. **Interrupt** [LLW<sup>+</sup>11]. **Interrupts** [LLW<sup>+</sup>11]. **Interval** [Joh17, RT14]. **Intra** [SRR<sup>+</sup>16, SMN<sup>+</sup>17, WZK<sup>+</sup>19]. **Intra-Chip** [SRR<sup>+</sup>16, SMN<sup>+</sup>17]. **Intra-Cluster** [WZK<sup>+</sup>19]. **Introducing** [SAR<sup>+</sup>11]. **Introduction** [AHI12, AISA16, BKPMC13, BMM11, BS10, BCS11, BdD19, EM12, GC14, GM11, HMO<sup>+</sup>17, LLK18, MG11a, MOS14, NST14, ST11a, VP14, ZMS13, Avr13]. **Intrusion** [AHNT16, CH14, PBT13, VSF<sup>+</sup>17]. **Intrusive** [TJX<sup>+</sup>17]. **Invalidations** [ADC11]. **Invariant** [MG11b]. **Invasive** [ADJG19]. **Inventory** [CKN14]. **Inverse** [MKRM11, PCLN15, RMERM19]. **Inverses** [Dum14, Wal19]. **Inversion** [BT16, DJA14, LLHC15]. **Inversions** [JDA15]. **Investigating** [Amm14]. **Investigation** [CJ12]. **Invocation** [RQ14]. **IO** [SKC<sup>+</sup>14]. **IoD** [DHC<sup>+</sup>16]. **IOMMU** [VMB19]. **IP** [CLS10, CKKS14, HY12, HH17, JP13, LYS10, LS10c, ML16, WZBB15, YZGG16]. **IPs** [NDG<sup>+</sup>17, BFP11]. **IPv4** [KCS14, LP12]. **IPv4/IPv6** [KCS14]. **IPv4/v6** [LP12]. **IPv6** [KCS14]. **Iran** [JGG<sup>+</sup>14]. **Irreducible** [Fan16, HF15]. **ISA** [GGSPM18, MIS<sup>+</sup>14, TCHL18]. **Ising** [ZCW18]. **Islands** [OKC13]. **Iso** [SRHC12]. **Iso-Power** [SRHC12]. **Isogeny** [BF19, FHLOJRH18, KAK18, LNL<sup>+</sup>19, ZSP<sup>+</sup>19]. **Isogeny-Based** [BF19, KAK18, ZSP<sup>+</sup>19]. **Isolation** [HGCT13, MGdC<sup>+</sup>18, WZL15, YYP<sup>+</sup>16]. **Isomorphism** [ZYHZ16]. **ISRA** [LBWH11]. **ISRA-Based** [LBWH11]. **Issue** [GC14, HMO<sup>+</sup>17, LLK18, VP14]. **Issues** [RT14, TKL<sup>+</sup>14]. **Iteration** [Dum14, FMTK19, PP16, Wal19]. **Iterations** [BBK10]. **Iterative**

[CG18, FTP13, TC16, VB13]. **Itinerary** [LLCH13]. **Itinerary-Based** [LLCH13]. **Ivan** [Zom15b].

**Java** [CCH11]. **JEM** [JAJK15]. **Jitter** [MAHD18]. **Job** [SL14b, YLH10]. **Jobs** [BBD<sup>+</sup>12, NL16c]. **Join** [LOX<sup>+</sup>13]. **Joining** [Ano10b]. **Joint** [BKP16, DPO17, GDY15, HKWC14, HGL<sup>+</sup>15, ZGG<sup>+</sup>16]. **Journal** [Lom10, Mon15b, Mon16, MMC<sup>+</sup>16, Mon17, Mon18, Mon19, Zom11b, Zom11a, Zom12b, Zom12c, Zom13, Zom15a]. **Journaling** [CCC<sup>+</sup>18, LYB15, ZFHC19]. **JPEG** [HHCH11]. **Just** [HZW<sup>+</sup>12, JAJK15, VIDH19]. **Just-in-Time** [HZW<sup>+</sup>12].

**Kalman** [Red14]. **Kalray** [IDG<sup>+</sup>17]. **Karatsuba** [LMZQ17, LPW10, MRL<sup>+</sup>18, Ose11]. **Karatsuba-Based** [LPW10]. **Karatsuba-Like** [Ose11]. **KASE** [CLW16b]. **Keccak** [RS17]. **Kernel** [BDM<sup>+</sup>19, JCK15, SWWC11]. **Kernels** [XP10]. **Key** [ASM<sup>+</sup>16, AFC10, CJ13, EFGT18, FHLOJRH18, GDLL18, HL10a, HWZ<sup>+</sup>17, Kim15, LCLL15, LCwW10, LHYZ13, LCCJ13, PSM17, RVH<sup>+</sup>16, RNS13, SMRM17, SWM<sup>+</sup>10, SD18, WCL<sup>+</sup>18, XJWW13, YRT<sup>+</sup>16, ZSP<sup>+</sup>19, CLW16b]. **Key-Aggregate** [PSM17, CLW16b]. **Key-Policy** [RVH<sup>+</sup>16]. **Key-Value** [ASM<sup>+</sup>16]. **Keyed** [KE19]. **Keys** [ASM<sup>+</sup>16, PSM17]. **Keyword** [XJWW13, ZLX<sup>+</sup>16]. **Kiel** [LvH12]. **Kleene** [DSB13]. **Knowledge** [SLLG15, SDZ15]. **Koblitz** [Lee12, ADJ12, BJ10, DJJ<sup>+</sup>08, TX16]. **Krivine** [MRD19].

**L0** [LK15b]. **L1** [EF12, HK16, SV18, VPS<sup>+</sup>12]. **L2** [SV18]. **Label** [LCL15]. **LACS** [KS14]. **Lags** [CFMS14]. **Lanczos** [JCK15]. **Land**

[DAPS14, LMB17]. **Land-Use** [DAPS14]. **Lane** [HHC<sup>+</sup>18]. **Language** [ASE17]. **LANs** [GY16, XHZ14]. **Large** [AISA16, BMT14, CYJ<sup>+</sup>10, CL12, CQW<sup>+</sup>15, CXLL16, CLW<sup>+</sup>16a, DALD18, FFCB14, Fin10, GDC<sup>+</sup>16, GV15, GY16, HZW<sup>+</sup>12, JKY10, LBSK17, LP13a, LS10a, LDB<sup>+</sup>17, LXK12, LXZ<sup>+</sup>15, LQD<sup>+</sup>16, MCXZ18, MC11, NM10, PDXZ13, ROH17, SSGB19, WS15, WJM15, XHLW19, ZCZL16, ZWC<sup>+</sup>18, ZYY10]. **Large-Capacity** [PDXZ13, XHLW19]. **Large-Scale** [CQW<sup>+</sup>15, FFCB14, GY16, JKY10, LP13a, LS10a, LXK12, LQD<sup>+</sup>16, MCXZ18, WJM15, ZCZL16, ZWC<sup>+</sup>18]. **Last** [CCE<sup>+</sup>18, KIJ14, KKC15b, KA19, LCLC19, YMG15, ZJS14]. **Last-Level** [KIJ14, KKC15b, LCLC19, YMG15]. **Latch** [SB16, ZZ17]. **Latch-Based** [ZZ17]. **Latches** [ORM10]. **Late** [KKH<sup>+</sup>14]. **Latencies** [LLW<sup>+</sup>11]. **Latency** [ADOKM10, CLL<sup>+</sup>14, CYL<sup>+</sup>14, FFISC13, GY13, KGP15, LR13, LYS14, MKAY11, NLP<sup>+</sup>14, NL19, PLM16, PB11, QSYS16, RZPX19, RM15b, SL10, SCJ<sup>+</sup>16b, SR14, WMW12, XSR15, YCCJ15, ZLW<sup>+</sup>17]. **Latent** [CJ12]. **Latin** [NL15a, DRM16]. **Lattice** [EFGT18, GLP15, HKR<sup>+</sup>18]. **Lattice-Based** [EFGT18, GLP15, HKR<sup>+</sup>18]. **Lattices** [AR12, GPR<sup>+</sup>19, MEBS17]. **Law** [CA12a, YMG16]. **LAWC** [GKD<sup>+</sup>17]. **Laws** [WJL<sup>+</sup>12]. **Layer** [CC11, GY16, KCW<sup>+</sup>17, LLW<sup>+</sup>18, PRGBSAC19, RCK<sup>+</sup>16, SVD18, SDE<sup>+</sup>17, VSC<sup>+</sup>19, YCK16]. **Layered** [BS14]. **LayeredTrees** [CKKS14]. **Layers** [RWZZ14]. **Layout** [AKJ<sup>+</sup>13, GKD<sup>+</sup>17, HWSX17, HT12, LZZ17a, PVKA14, SWZG11, ZZL14, ZWW19]. **Layout-Aware** [GKD<sup>+</sup>17, PVKA14]. **LCP** [WNCH17]. **LDet** [CCL<sup>+</sup>13]. **LDPC** [CMM15, LLC<sup>+</sup>16]. **LEAD** [SKEB18]. **Leakage** [Bar16, CYCC11, GDLL18, LVMS18, LGMP10, MKM14, SRCK10, ST16, WWY<sup>+</sup>16, WWT<sup>+</sup>18]. **Leakage-Aware** [MKM14, WWT<sup>+</sup>18]. **Leaks** [CATB19].



**Learning**

[Bar16, CM11, DYHX16, FMTK19, FCB<sup>+</sup>19, GBA<sup>+</sup>18b, JKD<sup>+</sup>19, LPL<sup>+</sup>13, LK18, LH11, MFT<sup>+</sup>17, WP16, ZYC16, ZM17].

**Learning-Based** [JKD<sup>+</sup>19].

**Learning-to-Rank** [LPL<sup>+</sup>13]. **Least**

[LR13]. **Least-Latency** [LR13]. **Leaving**

[MWLJ15]. **Lee** [Jha13, ABA07]. **Legacy**

[TJX<sup>+</sup>17]. **Length**

[ASM<sup>+</sup>16, Fen14, Pom12a, RS13, SRK<sup>+</sup>17, WTY<sup>+</sup>14, XMH13, YLP15]. **LEO** [LZS<sup>+</sup>13].

**Less** [HLC<sup>+</sup>19, WBG19]. **Level**

[ARM16, AJH15, AE11, Ano11f, BCL<sup>+</sup>17,

BPT10, BS10, BM13b, CCC<sup>+</sup>17, CCW<sup>+</sup>10,

CQW<sup>+</sup>15, cCWS14, ERRM16, GAFN15,

GWM<sup>+</sup>17, HWSX17, HGW<sup>+</sup>17, JRJ<sup>+</sup>18,

JPLP13, KIJ14, KGP15, KO14, KLC<sup>+</sup>16,

KKC15b, KA19, LK10, LR16, LLW<sup>+</sup>11,

LCLC19, MKT<sup>+</sup>11, MIS<sup>+</sup>14, NL15b, NL16a,

NWA11, NL16c, OKD<sup>+</sup>16, PNKI13,

SJC<sup>+</sup>17a, SJC<sup>+</sup>17b, VSLD15, WP16, XP10,

XZL<sup>+</sup>19, XLL<sup>+</sup>18, YSL16, YMG15,

ZGR13, ZJS14, ZMS13, NL19]. **Leveling**

[CHK10, DY14]. **Levelled** [LRY<sup>+</sup>15].

**Leveraging** [KSC<sup>+</sup>14, LSS13, MGW14,

MJWT16, QPG10, RTL<sup>+</sup>18, SX12, SL14a].

**LFSR** [AK16, LCH13]. **Lifetime** [AK19,

CBTU14, FKMK16, GGL<sup>+</sup>14, JSH<sup>+</sup>17,

KLK18, LK16a, SMA19, WWM16, YyHL11].

**Lifetime-Aware** [LK16a]. **Lifting**

[TWTT11]. **Lifting-Based** [TWTT11].

**Light** [SWF<sup>+</sup>19]. **Light-Weight** [SWF<sup>+</sup>19].

**Lightweight** [BFMT16, BDM<sup>+</sup>19, BKL<sup>+</sup>13,

CXLX15, KAH18a, KE19, LSG<sup>+</sup>15, RLSK18,

STE17, SL13, VBR<sup>+</sup>13, VAN<sup>+</sup>18]. **Like**

[DJN17, LYCT10, LJY<sup>+</sup>15, Ose11, Tsa13,

YLL16]. **Likelihood** [DAPS14, LCT11].

**Lilliput** [BFMT16, ST18a]. **Limitation**

[Lee17]. **Limited** [EBE13, RF14, TCK<sup>+</sup>18].

**Limits** [BK12]. **Line**

[BCSR14, BCD<sup>+</sup>16, FSPD16, GY14,

LJY<sup>+</sup>15, MG11a, NZLK14, ROGHNB<sup>+</sup>18].

**Line-Like** [LJY<sup>+</sup>15]. **Linear**

[BCMJ10, CC16, DP13, DEE17, HWL<sup>+</sup>14,

HCC<sup>+</sup>12, KO14, LLQ<sup>+</sup>14, NZC11,

PvdGG12, WHL<sup>+</sup>12, WRW16, XXBL17].

**Linearly** [ST18a]. **Lines** [AGFM11, DSR15].

**Link** [GY16, GLH<sup>+</sup>19, LGF<sup>+</sup>15, SRCbL<sup>+</sup>15,

WTY<sup>+</sup>14, YCCWC15, ZC13]. **Link-Layer**

[GY16]. **Link-Length** [WTY<sup>+</sup>14]. **Links**

[CA12a, GHG<sup>+</sup>14, PRGBSAC19, TMS<sup>+</sup>14,

YMK<sup>+</sup>17]. **Liquid** [SVAB14].

**Liquid-Cooled** [SVAB14]. **List**

[Ano10a, Ano11b, Ano12b, Ano13b, Ano14b,

Ano15b, Ano17b, Ano18b, Ano19b, Ano16b].

**Lithography** [LZZ17a]. **Little** [JYL<sup>+</sup>17].

**Live** [ECJ<sup>+</sup>16, XLL<sup>+</sup>14, ZRS<sup>+</sup>16]. **Lizard**

[MSS<sup>+</sup>18]. **LNS** [CI16]. **Load** [ADOKM10,

BR13, CLS14, HC13b, HHW<sup>+</sup>18, JLC10,

JC11, JR17, KRP18, PBL16, Pom12c,

QJM<sup>+</sup>10, RKZ16, SKPC15, SMTK12,

SLS<sup>+</sup>12, XAYL15, XLF15, YCLH16, ZV14].

**Load-Balancing** [PBL16, RKZ16, SLS<sup>+</sup>12].

**Load-Demand** [XLF15]. **Loaded** [JC11].

**Loading** [SRCK10]. **Loads** [CC16, ZR15b].

**Local** [AVG<sup>+</sup>15, BWV15, CFL<sup>+</sup>18, HCH15,

LKT13, LWL<sup>+</sup>16, LCW<sup>+</sup>15, LMT13,

PTD<sup>+</sup>12, ZDP<sup>+</sup>15, ZL15]. **Local-Deadline**

[HCH15]. **Local-Recoding** [ZDP<sup>+</sup>15].

**Locality**

[CG18, FBWMM13, GZC<sup>+</sup>17, HWZ<sup>+</sup>17,

HXVF12, JZLD10, KS14, KGGJ14, LCY<sup>+</sup>16,

QZC15, QGPZ13, SH12, XJFH15, ZJS14].

**Locality-Aware**

[CG18, HWZ<sup>+</sup>17, JZLD10, KS14].

**Locality-Preserving** [SH12].

**Locality-Sensitive**

[HXVF12, QZC15, QGPZ13]. **Localization**

[AEKT15, JGHD11, LYOB15, MWWT13,

XLW14, YZF<sup>+</sup>10]. **Localized**

[MMB14, YyHL11, YLA10]. **Location**

[CWTT13, KLK<sup>+</sup>14, LCT11, LHY13,

ZZX<sup>+</sup>15, ZLYS15]. **Location-Aware**

[CWTT13]. **Location-Based** [ZLYS15].

**Location-Oblivious** [KLK<sup>+</sup>14]. **Locations**

[CTS13]. **Lock** [CT13, CWCS15, KLJ<sup>+</sup>14].

**Lock-Free** [CT13]. **Locking** [CWCS15].

**Loeffler** [CND<sup>+</sup>18]. **Log**

[GWM<sup>+</sup>17, KBO<sup>+</sup>19, MLE14]. **Log-Block** [GWM<sup>+</sup>17]. **Log-Structured** [MLE14]. **Logarithm** [Bra10, LP17, VB13]. **Logarithmic** [AC11, CHCK12, FML10, KBP13, LOC<sup>+</sup>16, LJ15]. **Logarithms** [LOC<sup>+</sup>16]. **Logging** [YHT<sup>+</sup>16]. **Logic** [AR12, AD16, AGCD16, BDDL18, BGPV10, Cil11, CCLH10, EKA17, EFPC16, ISC15, Ibr16, LWK11, NI11, NYHB16, Pom14, PSL17, QLR<sup>+</sup>11, RMKR12, RZZ<sup>+</sup>15, RLRL19, ST12, SKM<sup>+</sup>13, Tho15, TLL12, ZMR<sup>+</sup>13, ZJH<sup>+</sup>14]. **Logic-Chain** [TLL12]. **Logical** [LLQ<sup>+</sup>14]. **Logics** [FLS16, GSF<sup>+</sup>10]. **Long** [WXLL13, WXLY15, XLW14]. **Long-Bounded** [XLW14]. **Longest** [CWZC13, LLLP14]. **Look** [DJN17]. **Lookup** [HY12, JP13, LP12, LYS10, ML16, dLSGDR17]. **Lookups** [CLS10, CKKS14]. **Loop** [BBK10, CS11a, DZ10, EFGT18, GLXY13, KGC14, QLH<sup>+</sup>16]. **Loop-Abort** [EFGT18]. **Loop-Based** [DZ10]. **Loosely** [PBL16]. **Loss** [KCY18, SRR<sup>+</sup>16]. **Loss-Aware** [SRR<sup>+</sup>16]. **Lossless** [XDZ11]. **Lossy** [DN11, GDY15, LLZ<sup>+</sup>17, dRV12]. **Low** [AH10, ACW<sup>+</sup>11, AVS<sup>+</sup>14, AS12, ARM13, BDDL18, BR13, CMLS15, CSCW13, CJA<sup>+</sup>16, CLL<sup>+</sup>14, CJK19, CYL<sup>+</sup>14, FFISC13, FHW18, GC16, GNSR14, GHG<sup>+</sup>14, HN11, HK15a, HMS<sup>+</sup>12, JCK15, JHQL16, JLLH19, KLK<sup>+</sup>14, KBP13, KHZ17, LK15a, LYS14, LCL17, LOC<sup>+</sup>16, MKT<sup>+</sup>11, MKFM13, MAD14, MKAY11, MKRM11, NCD<sup>+</sup>17, NC11, ORBM13, OPAGS14, OKD<sup>+</sup>16, PLM16, PvdGG12, PPP13, PRBM13, PROM15, QSYS16, QLH<sup>+</sup>16, RZPX19, RBMO11, RM15b, SP16, SKH16, SL10, SR14, SBI12, TW10, TKT16, WWY<sup>+</sup>16, XJFT16, YAG19, ZOK<sup>+</sup>19, ZM10]. **Low-Complexity** [ARM13, OPAGS14]. **Low-Cost** [HK15a, HMS<sup>+</sup>12, MKFM13, TKT16]. **Low-Duty-Cycle** [GHG<sup>+</sup>14]. **Low-Error** [LOC<sup>+</sup>16]. **Low-Latency** [CLL<sup>+</sup>14, FFISC13, LYS14, MKAY11, QSYS16, RZPX19, RM15b, SL10]. **Low-Level** [MKT<sup>+</sup>11, OKD<sup>+</sup>16]. **Low-Memory** [LYS14]. **Low-Overhead** [KLK<sup>+</sup>14, PPP13]. **Low-Power** [GC16, JHQL16, JLLH19, KBP13, LK15a, LCL17, MKRM11, NC11, PvdGG12, SP16, SKH16, YAG19]. **Low-Profile** [AVS<sup>+</sup>14]. **Low-Voltage** [ACW<sup>+</sup>11]. **Lower** [Fuj11]. **LRW** [CFMA19]. **LS** [QGPZ13]. **LS-Sig** [QGPZ13]. **LU** [JC12, WDSP12]. **Lubricating** [TZL<sup>+</sup>14]. **Lyra2** [ASBdS16].

**m\*** [AKJ<sup>+</sup>13]. **m\*-Tree** [AKJ<sup>+</sup>13]. **MAC** [Kim15, LCLL15, CCRL19, CJ13, DMA<sup>+</sup>15, HWK15, HWX15, LMC<sup>+</sup>15, SMB<sup>+</sup>15]. **Machine** [JJK<sup>+</sup>11, LT15, MSG14, Man16, RSN<sup>+</sup>18, VTW16, XLJ16, ZRS<sup>+</sup>16, ZL18, ZJXL11]. **Machines** [APP12, DKW15, ECJ<sup>+</sup>16, Hie11, Hie13, JAS<sup>+</sup>15, JKJ<sup>+</sup>10, KJL11, KP15, KT12, LLQ<sup>+</sup>14, Pip11, SCSL12, SP10, WGLL13, WZL15, WLLZ16, XLL<sup>+</sup>14]. **Macho** [MHK15]. **Macro** [JC11]. **Macrocell** [SBP<sup>+</sup>14]. **Macrocells** [VPS<sup>+</sup>12]. **Macrochip** [ZGY14]. **Macroprogramming** [PP10]. **MACs** [AP14]. **Made** [SD18]. **Magnetic** [WFY<sup>+</sup>17]. **Magnitude** [EBE13, KN11a]. **Magny** [RCFP<sup>+</sup>12]. **Magny-Cours** [RCFP<sup>+</sup>12]. **Main** [GBGI18, HNV19, HZX<sup>+</sup>14, JYL<sup>+</sup>17, SMA19]. **Maintaining** [LHC<sup>+</sup>14, LXL<sup>+</sup>13, LcZLG19, RHC<sup>+</sup>14]. **Maintenance** [CSJ<sup>+</sup>11, FEP<sup>+</sup>12, LCX<sup>+</sup>16, SLC15a]. **Majority** [AGCD16, PSL17, RLRL19, TSA<sup>+</sup>19]. **Majority-Logic** [AGCD16]. **Making** [XLL<sup>+</sup>14]. **Malicious** [SWWC11, TM18]. **Malleability** [MBC<sup>+</sup>13]. **Malleable** [SIVH16]. **Malware** [CXZ13, OKD<sup>+</sup>16]. **Malwise** [CXZ13]. **Managed** [ASE17]. **Management** [AO11, AE11, ARS16, BLN<sup>+</sup>15, BBP<sup>+</sup>13,

CVPS19, CK11, CCY<sup>+16</sup>, CKH15, CGL<sup>+13</sup>, CCP<sup>+13</sup>, Cro14, DYW15, DA12, DGC<sup>+15</sup>, EKJ<sup>+10</sup>, FFCB14, FBR<sup>+12</sup>, FAA10, GWMB13, GBD<sup>+15</sup>, GWM<sup>+17</sup>, HMR<sup>+17</sup>, HWZ<sup>+12</sup>, HNV19, HWZ<sup>+17</sup>, JAJK15, KIJ14, KPS<sup>+17</sup>, KFB<sup>+15</sup>, KSJ<sup>+12</sup>, KCRG14, KKJH19, KL16, LKLM15, LSA18, LZZZ13, LLD<sup>+16</sup>, LHTG15, LWH<sup>+16</sup>, LPL10, MM16, MOYB12, ML13, MTBB10, RDEN10, SSJ<sup>+18</sup>, SIVH16, SYK14, SBW<sup>+16</sup>, WP16, WSZ<sup>+16</sup>, WW16, WJY<sup>+17</sup>, WGLL13, XLS<sup>+12</sup>, YYP<sup>+16</sup>, ZJS14, ZL16, ZDYZ13, ZDYZ14].

**Management/Monitoring** [CCP<sup>+13</sup>]. **Manager** [XHLW19]. **Maneuvering** [WF14]. **Manipulation** [VGF16]. **Many** [BLKM<sup>+18</sup>, DYW15, DYHX16, GP14, HRM<sup>+16</sup>, HMR<sup>+17</sup>, KP13, LYT<sup>+16</sup>, LB13, MMC15, RVC<sup>+15</sup>, WSL<sup>+18</sup>, WhCCC12, ZCY<sup>+16</sup>]. **Many-Core** [BLKM<sup>+18</sup>, DYW15, DYHX16, GP14, HRM<sup>+16</sup>, LB13, RVC<sup>+15</sup>, SNM16, WTZ<sup>+19</sup>, WhCCC12, ZCY<sup>+16</sup>]. **Many-Cores** [HMR<sup>+17</sup>]. **Many-to-Many** [KP13]. **Manycore** [CA12b, CDK<sup>+18</sup>, JKD<sup>+19</sup>, LY18, PKC<sup>+17</sup>]. **Manycores** [MYHL16]. **Map** [THGT13]. **Mapped** [SNY<sup>+10</sup>]. **Mapping** [CAbZM18, CQW<sup>+15</sup>, CCK<sup>+16b</sup>, GSG<sup>+15</sup>, HNB<sup>+12</sup>, JK15, KN12, LKJ15, LSC11, LYJ<sup>+18</sup>, MMCS18, OOD<sup>+17</sup>, PP10, TSA<sup>+19</sup>, YCKH16, YLGD19, ZCZ<sup>+19</sup>, ZCY<sup>+16</sup>]. **Mappings** [MC11]. **MapReduce** [CSPC12, CZL<sup>+17</sup>, JSE14, LZA<sup>+16</sup>, XLC14, YWQX15, ZDP<sup>+15</sup>]. **MAPS** [KAH<sup>+15</sup>]. **MAR** [WSZ<sup>+16</sup>]. **Marathon** [DJN17]. **March** [CSW<sup>+15</sup>]. **Marginal** [LY17]. **Margins** [CTL<sup>+17</sup>]. **mARGOt** [GVPS19]. **Market** [FLL14]. **Markets** [BBVL14]. **Marking** [FBR<sup>+12</sup>, YZGG16]. **Markov** [MTFK19, ZOD13]. **Mashup** [ZCL<sup>+16</sup>]. **Masking** [KCY18, KN11b, LHL13a, ORBM13, USH19]. **Massey** [Red14]. **Massive** [BSM<sup>+14</sup>, CLW<sup>+15</sup>, WGR<sup>+14</sup>]. **Massively** [KAH<sup>+15</sup>]. **Master** [CAGM14]. **Master-Worker** [CAGM14]. **Mastrovito** [ARM16, LMZQ17]. **Match** [CW16]. **Matching** [CWZC13, DYW15, GBA18a, LP13a, LH12a, LLLP14, LLCC13, LBS15, MGW14, RSG<sup>+19</sup>, YP12, Yun12, ZS13, ZLN11, ZYY18]. **Matrices** [CJK15, IRMM<sup>+16</sup>]. **Matrix** [BFMT16, CNH13, CLL<sup>+14</sup>, HF15, HMNN12, HN13, IRMM<sup>+16</sup>, KEK16, KHZ17, NZ15, PCHS16, PCHS18, PGvdG14, RM15b]. **Matrix-Vector** [HF15, PCHS18, RM15b]. **Max** [LZ14, XLL15]. **Max-Bisection** [LZ14]. **Maximization** [LMC<sup>+15</sup>, MLOL15, RLX15]. **Maximizing** [AGFM11, CS15, GSK12, WL13]. **Maximum** [AT16, DAPS14, GPN11, LCT11, LCW<sup>+15</sup>, YCZ10, YUGD14]. **Maximum-Likelihood** [DAPS14]. **Maxterm** [YHH<sup>+12</sup>]. **MBs** [CLZ19]. **MBU** [WNKL16]. **MC** [LRP<sup>+18</sup>]. **MC-Fluid** [LRP<sup>+18</sup>]. **McEliece** [GV14, SWM<sup>+10</sup>]. **McLaughlin** [DCKK18, GL19]. **MCMC** [LMB17, MB16]. **MDPC** [HC17]. **MDRUs** [MTFK19]. **MDS** [FSL<sup>+17</sup>]. **Me** [YGS15, CXLL16]. **Me-CLOCK** [CXLL16]. **Mean** [GPN11]. **Meandering** [AEKT15]. **Measure** [SRCbL<sup>+15</sup>]. **Measurement** [NL14, SQJ<sup>+15</sup>, WS14]. **Measurements** [KGC14]. **Measures** [AD10]. **Measuring** [CFMS14, GNSR14]. **Mechanism** [DKK16, HK15a, JC11, KLKL13, LL11, LLS<sup>+16</sup>, MNGV16, NZ14, PR14, SWWC11, WZLS16, Zot10]. **Mechanisms** [BPBBL13, BCC<sup>+16</sup>, CAGM14, FLJ14, HZL<sup>+16</sup>, KSEG15, MFG16, MFG14]. **Media** [KLLK11, YW12]. **Medical** [FGS<sup>+15</sup>]. **Meets** [CXYC16, RBG<sup>+19</sup>, MOS14]. **Membership** [FHR14, HXVF12]. **Memetic** [LZ14]. **MemFlex** [ZLSI17]. **Memoriam** [Zom15b]. **Memories** [AVG<sup>+15</sup>, CMM15, DPS11, GBGI18, HTH15, HZX<sup>+14</sup>, JSA17, LLW<sup>+17</sup>, LGMP10, NL16a,

PO13, SMA19, SMRM17, SKH16, VCG<sup>+12</sup>, WNKL16, ZZYZ14, vdBGLGL<sup>+16</sup>].

**Memory** [ALBP14, AAR19, AKJ<sup>+13</sup>, ASBdS16, AISA16, AKTB18, AH13, BQP<sup>+16</sup>, BD15, BPG16, BBB<sup>+17</sup>, CFL<sup>+18</sup>, CVPS19, CVMA10, CK11, CHH<sup>+13</sup>, Cha14, CCK<sup>+16a</sup>, CHTD19, CXLL16, CWL<sup>+17</sup>, CLOL18, CLM<sup>+19</sup>, CLZ19, CC11, CRG<sup>+13</sup>, DYHX16, DHW<sup>+19</sup>, DMK<sup>+15</sup>, DSG<sup>+19</sup>, DCV<sup>+12</sup>, DY14, DW10, EKJ<sup>+10</sup>, FYSK14, FZL<sup>+14</sup>, Fin10, GBO<sup>+16</sup>, GGA<sup>+17</sup>, GBD<sup>+15</sup>, GDJZ18, GWM<sup>+17</sup>, GNSR14, GIKR19, HCY18, HCCG10, HPR16, HNV19, HGCT13, HHKW12, HCC<sup>+12</sup>, HWZ<sup>+17</sup>, IS11, IS14, JJK<sup>+11</sup>, JSC<sup>+17</sup>, JSC<sup>+19</sup>, JYL<sup>+17</sup>, KLLK11, KCRG14, KO14, KAH<sup>+15</sup>, KKJH19, KCS14, LP13a, LCC10, LMNP11, LKLLK13, LBN14, LK14, LYB15, LWKA15, LH16, LK16b, LKH16, LKK<sup>+19</sup>, LR10, LXW<sup>+19</sup>, LYS14, LWL<sup>+16</sup>, LLD<sup>+16</sup>, LZZ<sup>+17b</sup>, LJ13, MMC15, MWZ<sup>+17</sup>, MB12a, MBD<sup>+17</sup>, NKEM11, NL15a, NL19, OGH<sup>+14</sup>, PLM16, PDXZ13, PN16, PPKW12, PCLN15, PKY19, PRM19, QML<sup>+15</sup>, QGPZ13, RCC14, ROGHNB<sup>+18</sup>, SSGB19, SNY<sup>+10</sup>, SCZ<sup>+16</sup>, SJD<sup>+18</sup>]. **Memory** [SPC<sup>+18</sup>, SP12, SRHC12, SBW<sup>+16</sup>, SZL<sup>+16</sup>, TPR16, UMN18, VSC<sup>+19</sup>, VKS<sup>+16</sup>, VTW16, VAN<sup>+18</sup>, VMB19, WZLX12, WS14, WGW<sup>+15</sup>, WWY<sup>+16</sup>, WWY<sup>+18</sup>, WLY<sup>+14</sup>, WFT<sup>+19</sup>, WDSP12, WSXZ13, XZL<sup>+19</sup>, XHLW19, YWW<sup>+16</sup>, YPB<sup>+16</sup>, YYW<sup>+16</sup>, YYC12, YYP<sup>+16</sup>, YAGB17, ZCZ<sup>+19</sup>, ZL16, ZLSI17, ZFHC19, ZOK<sup>+19</sup>, ZHQX19, OWP16]. **Memory-Aware** [JJK<sup>+11</sup>]. **MEMORY-Based** [OWP16]. **Memory-Centric** [BQP<sup>+16</sup>, YPB<sup>+16</sup>]. **Memory-Efficient** [CXLL16, KCS14, LP13a, LJ13]. **Memory-Processor** [MBD<sup>+17</sup>]. **Memristive** [RMKR12]. **Memristor** [HTH15, RKR15, SKM<sup>+13</sup>]. **Memristor-Based** [HTH15, RKR15, SKM<sup>+13</sup>]. **Memristors** [RKR15]. **Merge** [LBSK17]. **Merged** [DKG13]. **Mergesort** [LRP16]. **Merkle** [LRY<sup>+15</sup>]. **Mesh** [CHC<sup>+15</sup>, GSH<sup>+14</sup>, GP14, RKZ16, SZS14, TLP18, WLS18, ZR15b, ZBW17]. **Mesh-Based** [CHC<sup>+15</sup>, WLS18]. **Meshes** [CS11a, Zot10]. **Mesoscale** [XYF<sup>+15</sup>]. **Message** [AEP18, FAA10, LCT11, WGZ<sup>+15</sup>, Zom12a]. **Message-Efficient** [LCT11]. **Metadata** [GWZ<sup>+10</sup>, PP11]. **Metaheuristic** [LMT13]. **Metal** [YXZZ14]. **Metastability** [FFL18]. **Metastability-Containing** [FFL18]. **Meter** [DJN17]. **Method** [BCK<sup>+16</sup>, CYL<sup>+14</sup>, DAS14, GKB<sup>+10</sup>, HN13, JCK15, KRP18, KEK16, KS10b, KL13, LZZ17a, L XK12, LJ13, MRW<sup>+15</sup>, MH19, NTR14, OHCK17, OCK17, PP14, PCHS16, PB11, RSU17, RSNK17, SB10, SL13, ST12, SZDL14, USH19, WWT<sup>+18</sup>, WTZ<sup>+19</sup>, WYL<sup>+15</sup>, WLG<sup>+19</sup>]. **Methodology** [BGM<sup>+13</sup>, BMS11, CSCW13, GBA<sup>+18b</sup>, Iko15, JAJK15, JJC14, LKJ15, MNFA14, PWTS16, RTRM19, RRS<sup>+16</sup>, RBG<sup>+19</sup>, WS14, ZGR13]. **Methods** [AE11, AS16, DS14, EDL<sup>+14</sup>, FBE<sup>+18</sup>, KVV10, LCY<sup>+13</sup>, ROH17, WNCH17, WLS18, ZOD13]. **Metric** [ABA07, Jha13, OP15, Pom13a, SIB13, WS14, ZWX12]. **Metrics** [EYBK15, GSF<sup>+10</sup>, LHL13b]. **MIC** [XYF<sup>+15</sup>]. **Micro** [DEE17, KAH18a, RM15a, VED<sup>+16</sup>, YEG<sup>+15</sup>]. **Micro-Architectural** [RM15a]. **Micro-Architecture** [DEE17, KAH18a, VED<sup>+16</sup>, YEG<sup>+15</sup>]. **Microarchitectural** [CVMA10, DJO11, JCY<sup>+13</sup>, LDP10]. **Microarchitecture** [CPRH16, LCH13, PVKA14]. **Microarchitectures** [BPG16]. **Microarray** [GAC14]. **Microbiome** [LDB<sup>+17</sup>]. **Microcontroller** [PRM19]. **Microcontrollers** [BCD<sup>+16</sup>]. **Microeconomic** [NH10]. **Microprocessor**

[BCSR14, CPRH16, DYW15, DYHX16, KMJ<sup>+11</sup>, MKT<sup>+11</sup>, SDP<sup>+12</sup>, VSC<sup>+19</sup>]. **Microprocessor-Based** [SDP<sup>+12</sup>]. **Microprocessors** [EGVFC<sup>+12</sup>, FRB<sup>+18</sup>, KKC15b, MTGM12, MMTM15, OPV<sup>+17</sup>, SNM16]. **Microprotocol** [VECD13]. **Midpoint** [Joh17]. **Midpoints** [JLMP11]. **Migrating** [YLH10]. **Migration** [GBO<sup>+16</sup>, HV14a, LR18, LLX<sup>+17</sup>, LCLC19, MRW<sup>+15</sup>, RSNK17, RSN<sup>+18</sup>, TKL<sup>+14</sup>, WJM15, XLL<sup>+14</sup>, ZRS<sup>+16</sup>]. **Migrations** [LWH<sup>+16</sup>]. **MIHST** [BCSR14]. **Miller** [LT14]. **Millimeter** [DCY<sup>+13</sup>]. **Millimeter-Wave** [DCY<sup>+13</sup>]. **MIMD** [NVB16]. **Mimicking** [YGS15]. **MIMO** [CWY13, LZ15]. **Min** [GLH<sup>+19</sup>, XLL15]. **Min-Entropy** [GLH<sup>+19</sup>]. **Min-Max** [XLL15]. **Mini** [FZL<sup>+14</sup>]. **Mini-Rank** [FZL<sup>+14</sup>]. **Miniaturized** [GJ14]. **MiniBench** [YEG<sup>+15</sup>]. **Minimal** [ARH<sup>+18</sup>, EDL<sup>+14</sup>, HHKW12, MKLW14, RBR13, SBM15, SJD<sup>+18</sup>, SG12, ZBW17]. **Minimal-Memory** [HHKW12]. **MINIME** [DSKH15]. **Minimization** [BCTV19, Cha14, LHL<sup>+15a</sup>, LGMP10, XSR15, ZLG<sup>+15</sup>]. **Minimizing** [DSG<sup>+19</sup>, HT12, RSNK17, YCZ10, ZC13]. **Minimum** [DVUS14, FEP<sup>+12</sup>, GPN11, KHPP16, KLT16, LYY16, LSX13, QPG10, SG13, WTY<sup>+14</sup>, WCLY16, YLY15b]. **Mining** [HBR11, RGK15, SKC<sup>+14</sup>]. **Minus** [BT16]. **Miss** [LK15b, SV18]. **Misses** [RXC<sup>+15</sup>]. **Missing** [LLM<sup>+15</sup>]. **Mission** [LXJD15]. **Mitchell** [KBO<sup>+19</sup>, LJ15]. **Mitchell-Based** [LJ15]. **Mitigate** [GBA18a, JSC<sup>+19</sup>, RBG14]. **Mitigating** [CJK19, GBGI18, HWK15, KCY18, KCKL19]. **Mitigation** [AS12, MLS19, SKH16, dOPSR16]. **Mixed** [ABA07, BBD<sup>+12</sup>, BM13b, BDBB18, CAbZM18, CGL<sup>+18</sup>, GGA<sup>+17</sup>, GIW18, LRP<sup>+18</sup>, LGS<sup>+18</sup>, RMB<sup>+12</sup>, ZCK19]. **Mixed-Critical** [BM13b]. **Mixed-Criticality** [BBD<sup>+12</sup>, BDBB18, CAbZM18, CGL<sup>+18</sup>, LRP<sup>+18</sup>, LGS<sup>+18</sup>]. **Mixed-Precision** [ZCK19]. **Mixed-Radix** [ABA07, GIW18]. **Mixed-Time-Criticality** [GGA<sup>+17</sup>]. **Mixing** [Ged14]. **Mixture** [HFG<sup>+17</sup>, RF14]. **Mixture-of-Experts** [RF14]. **MLC** [NL19, CK11, CCC<sup>+17</sup>, CKD<sup>+17</sup>, GWM<sup>+17</sup>, LK14, ZZJ<sup>+19</sup>]. **MLC-Based** [CK11]. **MLC/SLC** [CCC<sup>+17</sup>]. **MM\*** [CH11]. **MMU** [EKJ<sup>+10</sup>]. **Mobile** [BWV15, Cao12, CS15, CKH15, FFCB14, GDY15, GCF<sup>+16</sup>, HZL<sup>+16</sup>, KCRG15, KkC15a, KKC17, LLCH13, LH16, LSX13, LHH14a, LCT11, LSL15, LZZ<sup>+17b</sup>, MCC12, RSN<sup>+18</sup>, SMP16, SKM14, SD13, TH11, TZL<sup>+14</sup>, WLYY16, XWY10, XWH14, YCCJ15, YCLH16, ZWL15, ZLW<sup>+17</sup>, ZMY11, ZY12, ZCC<sup>+14</sup>, ZLYS15]. **Mobile-Cloud** [LSL15]. **Mobility** [AEKT15, ASTU10, OPZ15, SKPC15]. **Möbius** [Kür12]. **Modal** [LT15]. **Mode** [AHK10, HZ11, JRS<sup>+15</sup>, QLH<sup>+16</sup>, SWWC11, ZLBB19, PVKA14, DFP<sup>+13</sup>]. **MoDe-X** [PVKA14]. **Model** [Ano10f, BFR<sup>+15</sup>, CMB13, CMS10, CH11, CYHC14, CCH15b, CC16, Dar15, DAPS14, FLS16, GLH<sup>+19</sup>, HXVQ15, HSH<sup>+10</sup>, HK13b, HWL<sup>+14</sup>, JRJ<sup>+18</sup>, JAD<sup>+18</sup>, KGP15, LH12a, LWKA15, LK18, LLZ<sup>+17</sup>, LWZ18, LH12b, LKT13, MD16, MTFK19, MY10, NH10, NS13, SMA19, SAR<sup>+11</sup>, SIB13, SVAB14, TLP17, Tho15, Tsa13, WJL<sup>+12</sup>, WP16, WHYS16, XKT<sup>+15</sup>, XYHD17, YLL16, ZLBB19, ZYC16, ZYY10, ZZM<sup>+15</sup>]. **Model-Based** [XKT<sup>+15</sup>]. **Model-Driven** [CMS10, SAR<sup>+11</sup>]. **Model-Free** [WP16]. **Modeling** [ADP<sup>+15</sup>, BTBB14, BG12, CJSM17, CA12b, CSW<sup>+15</sup>, DMXY14, DDNT19, GBA<sup>+18b</sup>, HL10b, IPS17, KM11, KMLH11, LZZZ13, LMB<sup>+16</sup>, MBM11, MHH<sup>+17</sup>, MKM14, NS13, RKT19, SC11, VED<sup>+16</sup>, WZCG16, XYF<sup>+15</sup>, YZF<sup>+10</sup>, ZGB<sup>+15</sup>]. **Models** [AFH<sup>+10</sup>, BD15, BGM<sup>+13</sup>, CYA13, CCD12,

FNS16, HFG<sup>+17</sup>, LK10, LCY<sup>+13</sup>, LHTG15, SD14, YMT13, YHT<sup>+16</sup>, ZYL15, ZRL15]. **Modern** [KMJ<sup>+11</sup>, LLD<sup>+16</sup>, MKT<sup>+11</sup>, MTGM12, MMTM15, MYW11, WS14]. **Modes** [AR17, PC16]. **Modified** [AO12b, CLC<sup>+16</sup>, Red14, SJS<sup>+14</sup>]. **Modify** [LKK<sup>+19</sup>]. **Modular** [BT16, CYC<sup>+16</sup>, FFISC13, GL19, HMA<sup>+10</sup>, HGEG11, IGLM15, IDG<sup>+17</sup>, KwPK<sup>+15</sup>, KS12, KVV10, LP13a, LYS14, LNL<sup>+19</sup>, PVKA14, SMRM17, SL10, YFCV14, ZYY10]. **Modulation** [ZM17]. **Module** [LKK<sup>+19</sup>]. **Modules** [CZP<sup>+18</sup>]. **Moduli** [GL19, Hia16, Hia17, Sou15]. **Modulo** [Dum14, HMC11, VD12, Wal19]. **Modulus** [SEY14]. **Moments** [LPL12]. **Monitoring** [BWCW15, CCP<sup>+13</sup>, GEN<sup>+17</sup>, GDJZ18, GLTC16, KKP<sup>+16</sup>, ML13, OYP<sup>+18</sup>, RVL<sup>+14</sup>, RVC<sup>+15</sup>, WLLZ16, ZNL18, ZL18, ZC13]. **Monitoring-as-a-Service** [ML13]. **Monitors** [HCG<sup>+16</sup>, YZF<sup>+10</sup>]. **Monotone** [TSA<sup>+19</sup>]. **Monotonic** [PP14]. **Monte** [ZOD13, KN13]. **Montgomery** [CS11b, CYC<sup>+16</sup>, DCCK17, DCCK18, GLP<sup>+12</sup>, HRM11, HGEG11, KVV10, LYS14, NTR14, SL10, WF12]. **Montgomery-Based** [WF12]. **MONTRES** [LBSK17]. **Morphable** [CCC<sup>+17</sup>, SZZ<sup>+19</sup>]. **MORUS** [YWM19]. **Most** [CKKS14, XTF<sup>+12</sup>]. **Motion** [RM15c]. **Movable** [ASTU10]. **Moveable** [YLA10]. **Movement** [WLYY16, YWQX15]. **Moving** [CT13, CHK10, LTL14]. **MPPA** [IDG<sup>+17</sup>]. **MPPA-256** [IDG<sup>+17</sup>]. **MPSoC** [CYA13]. **MPSoCs** [ASS<sup>+18</sup>, CCM14, MB12a, WLQS13, WLZ<sup>+15</sup>]. **MRAM** [CFMA19, GBGI18, KCW<sup>+17</sup>, ZOK<sup>+19</sup>]. **mRT** [LKLK13]. **mRT-PLRU** [LKLK13]. **MUCH** [WLM15]. **Muller** [RMB<sup>+12</sup>]. **Multi** [AMR18, ARS16, BD15, BCL<sup>+17</sup>, BBB<sup>+17</sup>, BSM<sup>+14</sup>, CZ14, CLW<sup>+15</sup>, CCY<sup>+16</sup>, CCK<sup>+16b</sup>, CG18, CvdBC18, CW16, DDN14, DMK<sup>+15</sup>, DKLK15, DY14, DVUS14, FK15, GYC<sup>+16</sup>, HCD<sup>+16</sup>, HLY14, HH17, IPS17, JAD<sup>+18</sup>, KTAvdS16, KIJ14, KAH19, KO14, KKC17, LKS<sup>+14</sup>, LKH16, LRP<sup>+18</sup>, LGH15, LT15, LWY15, LRY<sup>+15</sup>, LFH<sup>+16</sup>, LHH17, LLW<sup>+18</sup>, LZW<sup>+15</sup>, MS15, MWY<sup>+16</sup>, MB16, MCXZ18, NL16a, Pan16, PCLN15, PMH<sup>+14</sup>, PBE17, PM14, QZC15, QSYS16, RCC14, RTL<sup>+18</sup>, SVD18, SDE<sup>+17</sup>, SX12, SZG<sup>+18</sup>, SNM16, SZW<sup>+16</sup>, TWTT11, TFCY16, TLGM17, WLC<sup>+15</sup>, WTZ<sup>+19</sup>, XWL<sup>+16a</sup>, YCCJ15, YMTV14, YYP<sup>+16</sup>, ZLBB19, ZLG<sup>+15</sup>, ZHM14, ZLX<sup>+16</sup>, ZGWC15, ZRL15, NL19]. **Multi-** [SNM16]. **Multi-/Many-Core** [SNM16]. **Multi-Armed** [KTAvdS16]. **Multi-Attribute** [SX12]. **Multi-Block** [SZG<sup>+18</sup>]. **Multi-Channel** [GYC<sup>+16</sup>, HLY14, LGH15, XWL<sup>+16a</sup>, YMTV14]. **Multi-Cloud** [SZW<sup>+16</sup>, ZGWC15]. **Multi-Constrained** [FK15, ZHM14]. **Multi-Core** [BD15, BBB<sup>+17</sup>, CZ14, CvdBC18, DMK<sup>+15</sup>, JAD<sup>+18</sup>, KIJ14, KAH19, KKC17, LKH16, LRP<sup>+18</sup>, MB16, Pan16, PCLN15, PBE17, PM14, RTL<sup>+18</sup>, TFCY16, YYP<sup>+16</sup>, ZLBB19]. **Multi-Cores** [CCK<sup>+16b</sup>, IPS17, LKS<sup>+14</sup>]. **Multi-Flow** [QSYS16]. **Multi-Function** [DKLB15]. **Multi-GPU** [ZRL15]. **Multi-Grained** [CCY<sup>+16</sup>]. **Multi-Granular** [LFH<sup>+16</sup>]. **Multi-Granularity** [QZC15]. **Multi-Hop** [LWY15, MWY<sup>+16</sup>]. **Multi-Inherited** [HH17]. **Multi-Input** [TWTT11]. **Multi-Input/Multi-Output** [TWTT11]. **Multi-Interface** [DDN14]. **Multi-Keyword** [ZLX<sup>+16</sup>]. **Multi-Layer** [LLW<sup>+18</sup>, SDE<sup>+17</sup>]. **Multi-Level** [BCL<sup>+17</sup>, NL16a, NL19]. **Multi-Match** [CW16]. **Multi-Modal** [LT15]. **Multi-Mode** [ZLBB19]. **Multi-Objective** [SVD18]. **Multi-Output** [TWTT11]. **Multi-Path** [DVUS14]. **Multi-Player** [BSM<sup>+14</sup>]. **Multi-Radio** [LWY15, XWL<sup>+16a</sup>]. **Multi-Replica** [LRY<sup>+15</sup>]. **Multi-Resolution** [PMH<sup>+14</sup>]. **Multi-Socket** [CG18, LHH17].

**Multi-State** [MCXZ18]. **Multi-Task** [ZLG<sup>+</sup>15]. **Multi-Tasking** [CvdBC18]. **Multi-Tenant** [ZGWC15]. **Multi-Threaded** [TLGM17]. **Multi-Threading** [CvdBC18, MS15, RCC14]. **Multi-Tier** [LZW<sup>+</sup>15]. **Multi-User** [HCD<sup>+</sup>16, YCCJ15]. **Multi-Version** [WLC<sup>+</sup>15]. **Multi-Way** [CLW<sup>+</sup>15, DY14]. **Multi/Many** [WTZ<sup>+</sup>19]. **Multi/Many-Core** [WTZ<sup>+</sup>19]. **Multiagent** [Ano13g, KMLH11]. **Multibeam** [GGL<sup>+</sup>14]. **Multibyte** [AMG17]. **Multicast** [ADOKM10, FG10, GY16, GY13, GGL<sup>+</sup>14, GY15a, GY15b, LXL<sup>+</sup>14, LHYZ13, SMG14, TH11, TC14, WJL<sup>+</sup>12, WS15, WLS18, XCF16]. **Multicast-Based** [XCF16]. **Multicasting** [SO10, XWY10]. **Multichannel** [LWF13, XLTZ11]. **Multichip** [SMN<sup>+</sup>17]. **Multicore** [BTBB14, CLS14, CCH11, CS11b, CWCS15, DSKH15, DW10, FJA<sup>+</sup>17, GJ14, GCD<sup>+</sup>11, GGSPM18, HWZ<sup>+</sup>12, HV12, HV14a, HBR11, IHR<sup>+</sup>16, JLC10, JJC14, KLJ<sup>+</sup>14, KCL<sup>+</sup>16, KH18, KCE<sup>+</sup>18, KA19, LNCX18, LMC<sup>+</sup>12, Man16, ML18, MHRARG<sup>+</sup>14, MBB<sup>+</sup>17, NEE18, OOD<sup>+</sup>17, RCM<sup>+</sup>16, RC14, RRK11, RJV<sup>+</sup>18, SC11, TCHL18, YLML15, YPB<sup>+</sup>16, YYW<sup>+</sup>16, YMG16, YRG13, YAGB17, ZDYZ13, ZDYZ14, ZZ10, ZLN11, ZRL15, ZYY18, ZHM<sup>+</sup>19]. **Multicore-Aware** [Man16]. **Multicore/Multithreaded** [RCM<sup>+</sup>16]. **Multicores** [BZ15, FSPD16, FSPD17, KPS<sup>+</sup>17, STK16]. **Multicycle** [Pom12d]. **Multidimensional** [TYWC10]. **Multidomain** [BPC12]. **Multifactor** [SL13]. **Multiformat** [GVGNV16, MLH12]. **Multihop** [CTS13]. **Multilayer** [HHLK12]. **Multilevel** [EGVFC<sup>+</sup>12, HC13a, HJF<sup>+</sup>13, NL15a, WSXZ13, WYL<sup>+</sup>15]. **Multimedia** [KKC17, LKYC12, LGH15, MM16, MSC12, PAC<sup>+</sup>12]. **Multioverand** [HVZ13, MLH12]. **Multipartite** [HWCH17]. **Multipath** [SLS<sup>+</sup>12, WW14]. **Multipattern** [Yun12, ZS13]. **Multiple** [ALBP14, CLS14, CWZ13, CP10, DJA11, FM19, FLL14, FK15, GRM16, Hie11, Jha13, LQD<sup>+</sup>16, LWK11, MKAY11, NDC<sup>+</sup>13, NL16c, OCK17, PCZB11, Pom16b, PPND17, RWZZ14, TC16, WNKL16, YCZ10, ZYW<sup>+</sup>16, ZLX<sup>+</sup>16, ZCK19, ZMY11, ZCY<sup>+</sup>16]. **Multiple-Bit** [GRM16]. **Multiple-Parameter** [NDC<sup>+</sup>13]. **Multiple-Precision** [ZCK19]. **Multiple-Queue** [PPND17]. **Multiple-Radix** [DJA11, Jha13]. **Multiple-Valued** [LWK11]. **Multiplexed** [GCLC11]. **Multiplexer** [SMCN18]. **Multiplexer-Based** [SMCN18]. **Multiplexing** [DYW15]. **Multiplication** [ARM15, ARM16, ABH<sup>+</sup>13, ACO12, AK14, CMO<sup>+</sup>16, CS11b, CYC<sup>+</sup>16, Cil13, DCCCK17, DJJ<sup>+</sup>08, FP19, Gio12, GNTS13, GJ15, GL19, GIW18, HK13a, HRM11, HN11, HMNN12, HGEG11, IRMM<sup>+</sup>16, KEK16, KVV10, KHZ17, Lee12, LPW10, LYS14, LNL<sup>+</sup>19, LJL13, MH15, MHML15, NWA12, NR15, NTR14, PCHS14, PCHS17, PRBM13, ROH17, SL10, VAB14, YFCV14]. **Multiplications** [ARM13, DS14, ERRM16]. **Multiplicative** [Dum14, MPZ15, RMERM19, Wal19]. **Multiplier** [AS10, ARM13, BNP10, CLL<sup>+</sup>14, DHM16, FF16, HMC11, KS10b, LMZQ17, MCT19, NWA11, PCHS18, RM15b, WF12, WS10, ZM10]. **Multiplier-Dividers** [AS10]. **Multipliers** [ARM16, CHN14, CLC<sup>+</sup>16, CDL<sup>+</sup>17, DJA11, DJA14, DRC14, Fan16, GT19, GPN11, HF15, Ima18, JHQL16, KBO<sup>+</sup>19, LAAM11, LQW<sup>+</sup>17, LCY<sup>+</sup>19, MHHS17, SP16, TAM<sup>+</sup>16, VAM10, VALK19]. **Multiply** [CCRL19, WF17, ZCK19]. **Multiply-Add** [ZCK19]. **Multiplying** [PP16]. **Multiprefix** [HHY11].

**Multiprocessor**

[BKH<sup>+</sup>13, CA12a, Fuj11, HTC13, HWL<sup>+</sup>14, KGGJ14, LSSE15, Lee17, Li2b, LCX<sup>+</sup>16, LLX<sup>+</sup>17, LKT13, LYJ<sup>+</sup>18, MWW14, MW13, OP15, Tsa13, YHC19, YHV13].

**Multiprocessors** [Ano11f, BPT10, CNJ14, DAS14, FBWMM13, KSEG15, KK10, LMJ14, LKMSA16, ST17, ST18b, WMW12, WXW<sup>+</sup>14, ZCY<sup>+</sup>16, ZMS13].

**Multiprogrammed**

[CPS<sup>+</sup>10, CA12b, HGCT13]. **Multiradio** [CWZ13]. **Multireceiver** [FHH10].

**Multiresource** [GSX<sup>+</sup>13]. **Multiscale** [NL16b]. **Multiscale-Symbol** [NL16b].

**Multisize** [LPL10]. **Multispeculative** [DHM16]. **Multistate** [AXS<sup>+</sup>10].

**Multisuffix** [HY12]. **Multitask** [LKLK13].

**Multitasking** [CGL<sup>+</sup>13]. **Multithreaded** [AT16, JJC14, LvH12, RCM<sup>+</sup>16, RRK11, WLM15]. **Multithreading**

[CCH11, CCK<sup>+</sup>16b, GSL10, YG10].

**Multithreshold** [ST12]. **Multipuple** [YFJ<sup>+</sup>14]. **Multivalued** [AXS<sup>+</sup>10, LB15a].

**Multivariate** [dAJM14]. **Multivay** [CLS10, HN13, PCHS16, SWZG11]. **MuR** [LRY<sup>+</sup>15]. **MuR-DPA** [LRY<sup>+</sup>15]. **MuSA** [dAJM14]. **Mutation** [PFGB14]. **Mutually** [LKS<sup>+</sup>14, ZV14].

**N** [KS12]. **N-Modular** [KS12]. **NAF**

[ADJ12, TX16]. **NAND**

[AKJ<sup>+</sup>13, Cha10b, CQW<sup>+</sup>15, CWL<sup>+</sup>17, CCL<sup>+</sup>18, CC11, CYL<sup>+</sup>14, GWM<sup>+</sup>17, JSH<sup>+</sup>17, KLLK11, LKLK13, LK16a, LCY<sup>+</sup>16, PDXZ13, PPKW12, ROGHNB<sup>+</sup>18, SKM14, UMN18, WW16, WLY<sup>+</sup>14].

**NAND-Flash-Based** [Cha10b]. **Nano** [LT15]. **Nano-Machine** [LT15].

**Nano-Scale** [LT15]. **Nanophotonic** [MKLW14]. **Nanoscaled** [SRCK10].

**Nanotechnology** [BKP16, BKP16].

**Narrow** [HK15a]. **Narrow-Width** [HK15a].

**Nationwide** [JGG<sup>+</sup>14]. **Native**

[FGS<sup>+</sup>13, SWWC11]. **Navigation**

[CYHL14]. **NBTI** [ORBM13]. **NCCloud** [CHLT14]. **Near** [FSGAB<sup>+</sup>16, MHK15, RVC<sup>+</sup>15, SSGB19, TYY<sup>+</sup>16].

**Near-Memory** [SSGB19]. **Near-Optimal** [RVC<sup>+</sup>15, TYY<sup>+</sup>16]. **Near-Threshold**

[FSGAB<sup>+</sup>16, MHK15]. **Nearest** [HV16, KMP11]. **Nearly** [ZWLS15].

**Necklace** [HHKW12]. **Need** [LYT<sup>+</sup>16].

**Negative** [DSR15, WHC<sup>+</sup>15b].

**Neighbouring** [ST16]. **NEON** [SD18].

**NeST** [DYJ19]. **Nesting** [TPR16]. **Net**

[CZ16, YLH13, RVL<sup>+</sup>14]. **Net-Based**

[YLH13, RVL<sup>+</sup>14]. **Netlist** [AD13].

**Netlist-Driven** [AD13]. **Nets**

[CCK10, HB11, XKT<sup>+</sup>15]. **Network**

[AAR19, ASTU10, Ano13g, BPBBL13,

CHC<sup>+</sup>15, CHLT14, CC16, CXYC16, CPL16,

CJ13, CDK<sup>+</sup>18, DYJ19, DKLB15, DKG13,

EYBK15, FSR<sup>+</sup>18, GCD<sup>+</sup>11, GEvS10,

GC14, GHL17, GSG<sup>+</sup>15, GW16, GCL<sup>+</sup>13,

GIKR19, HMD<sup>+</sup>17, HCSW15, HCG<sup>+</sup>16,

HGL<sup>+</sup>15, HWE<sup>+</sup>16, IHR<sup>+</sup>16, JWL<sup>+</sup>16,

JWC12, JRC14, KC14, KGC14, KLK<sup>+</sup>14,

Kim15, KCRG15, KKY<sup>+</sup>16, KH14, LKS<sup>+</sup>14,

LCLL15, LW15, LSHC15, LSW15, LYJ<sup>+</sup>18,

LKMSA16, LLL<sup>+</sup>17, MMCS18, MFT<sup>+</sup>17,

MKLW14, NY19, PAP13, PP10, PBT13,

PSND16, RDEN10, RKZ16, SKPK10,

SLZX15, SLLG15, SPTC15, STK16,

TYY<sup>+</sup>16, TLP18, UVL<sup>+</sup>13, VBR<sup>+</sup>13,

WZLX12, WJL<sup>+</sup>14, WWM16, WZCG16,

XCF16, YY14, YLGD19, YG10, YRG13,

YYC12, YCZ10, YCCWC15, YCK10,

ZWX12, ZR15b, ZL16, ZMW<sup>+</sup>19, ZC13].

**Network-Based** [WZCG16].

**Network-Coding-Based** [CHLT14].

**Network-on-Chip** [CHC<sup>+</sup>15, DKLB15,

DKG13, EYBK15, GCD<sup>+</sup>11, GC14,

HMD<sup>+</sup>17, HCSW15, HWE<sup>+</sup>16, JRC14,

KC14, KLK<sup>+</sup>14, KKY<sup>+</sup>16, LYJ<sup>+</sup>18,

LKMSA16, MMCS18, MKLW14, PSND16,

SKPK10, WWM16, WZCG16, XCF16].

**Network-on-Chip-Based**

[STK16, YYC12]. **Network-on-Chips**



[YLGD19]. **Networked** [DLC<sup>+13</sup>, JZLD10, Yam10, YLY<sup>+15a</sup>]. **Networking** [SBP<sup>+14</sup>, WLT<sup>+16</sup>]. **Networks** [AO11, AO12a, ABB17, AEKT15, ASTU10, AK15, AB16, AD10, AD12, Amm14, Ano11d, BFMT16, BDP15, BWCW15, BWV15, BKV12, BBVL14, CMB13, CZP<sup>+18</sup>, CFMS14, Cha10a, CCE<sup>+18</sup>, CS11a, CWZ11, CBZ14, CS15, CTD<sup>+16</sup>, CJG16, CWTT13, CLR13, CYC11, CDK<sup>+18</sup>, CSJ<sup>+11</sup>, CWY13, CGL<sup>+13</sup>, CTS13, CCD12, CCP<sup>+13</sup>, CRK10, CBTU14, CBVL16, CJK15, DDN14, DMXY14, DY12, DCL<sup>+11</sup>, DLL<sup>+12</sup>, EDL<sup>+14</sup>, FB13, FTP13, FS10, GD17, GSH<sup>+14</sup>, GDC<sup>+16</sup>, GHG<sup>+14</sup>, GY15a, GDY15, GY15b, GLTC16, HXVQ15, HBCC13, HMD<sup>+17</sup>, HKWC14, HLJ14, HCZW13, HWX15, JK15, JGHD11, JRW<sup>+14</sup>, JRS<sup>+15</sup>, JWL<sup>+16</sup>, JKY10, KGGJ14, KBO<sup>+19</sup>, KKT15, KLT16, KL16, KH10, LRC10, LR13, LYOB15, LMC<sup>+15</sup>, LH12a, LCL15, LWW11, LSS13, LS13, LXL<sup>+14</sup>, LGH15, LYT<sup>+16</sup>, LLZ<sup>+17</sup>, LOH17, LSX13, LCHC14, LYCT10, LKLT12, LWY15, LXZH16, LCT11, LXK12, LZYL13, LSZ<sup>+15</sup>, LJY<sup>+15</sup>, LZS<sup>+13</sup>, LYL<sup>+19</sup>, MNFA14, MCC12]. **Networks** [MM16, MB12b, MHRARG<sup>+14</sup>, MWY<sup>+16</sup>, MD13, MMH14, MMB14, NH10, PLP<sup>+13</sup>, PLZW14, QSYS16, RMB<sup>+13</sup>, RL13, RGK15, RDEN10, RLX15, RRS<sup>+16</sup>, RS13, RNS13, SKPC15, SMP16, SXLC15, SBH11, SPC<sup>+16</sup>, SDE<sup>+17</sup>, SSGB19, SJVR19, SCK10, SRR<sup>+16</sup>, SG12, SG13, SL14a, SPTC15, SO10, SZS14, SKA10, Ste14, TYWC10, TH11, TSK16, THM<sup>+14</sup>, VYEB18, VBR<sup>+13</sup>, WJL<sup>+12</sup>, WXLL13, WJL<sup>+14</sup>, WXW<sup>+14</sup>, WXLY15, WZM<sup>+16</sup>, WLYY16, WLJ<sup>+16</sup>, WCM<sup>+16</sup>, WEH<sup>+19</sup>, WGZ<sup>+15</sup>, WHC<sup>+15b</sup>, WS15, WW14, WLS18, XWY10, XCW<sup>+10</sup>, XWH14, XWL<sup>+16a</sup>, XWL10, XLTZ11, XWL<sup>+16b</sup>, YKK<sup>+15</sup>, YL14, YMK<sup>+17</sup>, YZ15, YLL16, YASS14, YLA10, ZNL18, ZLG<sup>+15</sup>, ZGY13, ZMY11, ZY12, ZWD<sup>+16</sup>, ZLXW15, ZWL<sup>+19</sup>, ZWC13, ZGW14, ZLYS15, dAJM14]. **Networks-on-Chip** [ABB17, Ano11d, CCE<sup>+18</sup>, CRK10, DMXY14, EDL<sup>+14</sup>, FTP13, KGGJ14, RMB<sup>+13</sup>, SDE<sup>+17</sup>, WXW<sup>+14</sup>, WZM<sup>+16</sup>, WEH<sup>+19</sup>, WLS18, YMK<sup>+17</sup>]. **Neural** [AAR19, CLW<sup>+15</sup>, DYJ19, GIKR19, HMD<sup>+17</sup>, KBO<sup>+19</sup>, LYL<sup>+19</sup>, LLL<sup>+17</sup>, NY19, SSGB19, SJVR19, SKM<sup>+13</sup>, XWL<sup>+16b</sup>]. **Neuromorphic** [QWB<sup>+13</sup>]. **Neuroprocessors** [ZMR<sup>+13</sup>]. **Neurosynaptic** [TBC<sup>+17</sup>]. **Newton** [Dum14, Wal19]. **NextCell** [ZZX<sup>+15</sup>]. **NFRA** [PAP13]. **NICO** [WFT<sup>+19</sup>]. **Niederreiter** [HC17]. **NIPD** [TJX<sup>+17</sup>]. **NN** [FEM<sup>+18</sup>, ZCL<sup>+16</sup>]. **NNPIM** [GIKR19]. **NO2** [WGR<sup>+14</sup>]. **NoC** [CCM14, DCY<sup>+13</sup>, GD17, JKD<sup>+19</sup>, KAH18a, KCL<sup>+16</sup>, KN13, LDB<sup>+17</sup>, LY17, MSPK12, OMFH14, PB16, RVL<sup>+14</sup>, RC14, SKEB18, SBP<sup>+14</sup>, SMG14, TMS<sup>+14</sup>, WLW<sup>+14</sup>, WJY<sup>+17</sup>, WZK<sup>+19</sup>]. **NoC-Based** [CCM14, KN13, MSPK12, RC14]. **NoC-Bus** [RVL<sup>+14</sup>]. **NoCs** [DSPB13, FCB<sup>+19</sup>, LY18, MJW<sup>+14</sup>, MWLJ15, SKEB16, XWLX17]. **Node** [FEP<sup>+12</sup>, LY11, MMH14, SKA10, WXLL13, WXLY15, XP10, XLW14, YTM16]. **Node-Disjoint** [SKA10]. **Node-Level** [XP10]. **Node-To-Node** [SKA10]. **Nodes** [CCP<sup>+13</sup>]. **Noise** [LHCL13, ZLY15]. **Noisy** [Cao12]. **Non** [AK19, BCK<sup>+16</sup>, BIP<sup>+17</sup>, Cha14, CHTD19, CC16, GL19, HZX<sup>+14</sup>, HWE<sup>+16</sup>, JAKD18, JSA17, JW16, KO14, LKBS16, Lee17, LTL14, LMZQ17, LXW<sup>+19</sup>, LZZ<sup>+17b</sup>, NL15a, RD18, SMB<sup>+15</sup>, SJD<sup>+18</sup>, SRR<sup>+16</sup>, STR15, ST18b, SZZ<sup>+19</sup>, SZL<sup>+16</sup>, TJX<sup>+17</sup>, TAH<sup>+16</sup>, TC16, TIHM18, TAM<sup>+16</sup>, WWY<sup>+16</sup>, WWY<sup>+18</sup>, WNK16, WhCCC12, XZL<sup>+19</sup>, YWW<sup>+16</sup>, ZFHC19]. **Non-Binary** [NL15a]. **Non-Blackbox** [TIHM18]. **Non-Blocking** [HWE<sup>+16</sup>, SRR<sup>+16</sup>]. **Non-Coprime** [GL19]. **Non-Fragile** [BIP<sup>+17</sup>]. **Non-Ideal**

[SMB<sup>+</sup>15]. **Non-Intrusive** [TJX<sup>+</sup>17]. **Non-Iterative** [TC16]. **Non-Linear** [CC16, KO14]. **Non-Numeric** [BCK<sup>+</sup>16]. **Non-Parametric** [LTL14]. **Non-Preemptive** [Lee17]. **Non-Recursive** [LMZQ17]. **Non-Redundant** [TAM<sup>+</sup>16]. **Non-Speculative** [STR15]. **Non-Uniform** [ST18b, WhCCC12]. **Non-Volatile** [AK19, Cha14, CHTD19, HZX<sup>+</sup>14, JAKD18, JSA17, JW16, LKBS16, LXW<sup>+</sup>19, LZZ<sup>+</sup>17b, RD18, SJD<sup>+</sup>18, SZZ<sup>+</sup>19, SZL<sup>+</sup>16, TAH<sup>+</sup>16, WWY<sup>+</sup>16, WWY<sup>+</sup>18, WNKL16, XZL<sup>+</sup>19, YWW<sup>+</sup>16, ZFHC19]. **Nonblocking** [GY15a, GY15b, Zhe10]. **Noncoherent** [CRG<sup>+</sup>13]. **Noncooperative** [CWZ13]. **Nondeterministic** [Hie11]. **Nonindexed** [LOX<sup>+</sup>13]. **Nonintrusive** [WhCCC12]. **Nonlinear** [GO10, KW14]. **Nonlinearity** [MM17]. **Nonlinearly** [SKM<sup>+</sup>13]. **Nonuniform** [ZDYZ13, ZDYZ14]. **NOR** [PRM19]. **Normal** [ABH<sup>+</sup>13, ARM13, DJA14, ERRM16, KEK16, NWA11, NWA12, RMERM19]. **Normalization** [ADJG19]. **Normally** [CFL<sup>+</sup>18, RD18]. **Normally-Off** [CFL<sup>+</sup>18, RD18]. **Note** [CL12, CQ14, MW13]. **Notification** [BBPQ15, JRW<sup>+</sup>14]. **Novel** [BMS11, BC16, CSW<sup>+</sup>15, CC16, CC11, GWZ<sup>+</sup>10, IBH<sup>+</sup>13, KCL19, KL13, LLCC13, LFJ<sup>+</sup>13, LPL12, NL14, SSKL16, SWM<sup>+</sup>10, SPH13, TLZV11, WXML13, WS14, WSZ<sup>+</sup>16, WNKL16, WZLS16, YLY<sup>+</sup>15a, YFCV14]. **NP** [KLT16, XTF<sup>+</sup>12]. **NP-Completeness** [KLT16]. **NP-Hardness** [XTF<sup>+</sup>12]. **NPAM** [PBE17]. **NROM** [LLHC15]. **NROM-Based** [LLHC15]. **NTRUEncrypt** [DWZ18]. **NUDA** [ST18b, WhCCC12]. **Null** [YCW11, YLP15]. **NUMA** [KP15]. **Number** [ADI11, AC11, GKB<sup>+</sup>10, KBP13, Kûr12, MG16, NM10]. **Numbers** [BLMM16, HV16, YUGD14]. **Numeric** [BCK<sup>+</sup>16]. **Numerical** [RT14]. **NV** [RD18, WWY<sup>+</sup>18, XZL<sup>+</sup>19, YWW<sup>+</sup>16]. **NV-Clustering** [RD18]. **NV-Dedup** [WWY<sup>+</sup>18]. **NV-eCryptfs** [XZL<sup>+</sup>19]. **NV-Tree** [YWW<sup>+</sup>16]. **NVM** [LXW<sup>+</sup>19, PBE17, SMA19]. **NVM-Aware** [PBE17]. **NVMM** [CLCS19]. **NVRAM** [BDM<sup>+</sup>19, CCC<sup>+</sup>18]. **NVRAM-Based** [BDM<sup>+</sup>19]. **nvrampdisk** [JW16]. **Nyquist** [LVJ16]. **Nyquist-Sampled** [LVJ16].

**O** [BBP<sup>+</sup>13, DYHX16, GKD<sup>+</sup>17, HWS<sup>+</sup>17, HS18, HLC<sup>+</sup>19, KSJ<sup>+</sup>12, KRP18, LKBS16, SNM16, SYH17, SHH<sup>+</sup>16, TAH<sup>+</sup>16, ZL16]. **O-Redirection-Based** [HQLX15]. **O/S** [SNM16]. **O/S-Orchestrated** [SNM16]. **O3** [NKEM11]. **Obfuscation** [FRB<sup>+</sup>18, ZL19]. **Object** [KT12, YTD<sup>+</sup>17]. **Object-Based** [YTD<sup>+</sup>17]. **Objective** [CA12a, ML18, SVD18]. **Objectives** [CCC<sup>+</sup>17]. **Objects** [CT13, LCT11, RKN<sup>+</sup>18]. **Oblivious** [HMZ<sup>+</sup>14, KKL<sup>+</sup>14, KCS<sup>+</sup>13, RL13, SBI12, WCL<sup>+</sup>18]. **Observability** [KCY18]. **Obtained** [Ste14]. **Off** [CFL<sup>+</sup>18, KWC<sup>+</sup>16, LLW<sup>+</sup>17, MAG<sup>+</sup>17, MEBS17, RD18]. **Off-Based** [SC18]. **Off-the-Hook** [MAG<sup>+</sup>17]. **Offloading** [XLF15, YZH<sup>+</sup>15]. **Offs** [ADOKM10, ASBdS16, BCC<sup>+</sup>16, BS14, BG12, GCAG16, KCL<sup>+</sup>16, KN11b, ZZ10]. **Offset** [RBMO11]. **OFWAR** [WZ14]. **OLAP** [HNV19]. **Oligopoly** [FLL14]. **Omission** [Pom15b]. **On-Chip** [CKKS14, CDK<sup>+</sup>18, HJBM14, JKY10, JJZ<sup>+</sup>16, JWC12, LKS<sup>+</sup>14, MNFA14, MKAY11, MD13, OHCK17, PVKA14, RRS<sup>+</sup>16, RKZ16, SIVH16, VYEB18, VCG<sup>+</sup>12, ZNL18, ZGY13]. **On-Demand** [CabZM18, CQW<sup>+</sup>15, LLLJ13, WZ14]. **On-Line** [BCSR14, BCD<sup>+</sup>16, FSPD16, GY14, MG11a, NZLK14]. **On-the-Fly** [DHM16, Pip11, YLY15b]. **ON-the-Run** [LBSK17]. **On/Off** [SC18]. **On/Off-Based** [SC18]. **One** [CMRH17, MWLJ15, MMP13, PC16, RLRL19, TYY<sup>+</sup>16]. **One-Sided** [TYY<sup>+</sup>16]. **Ones** [LYT<sup>+</sup>16]. **Online**

[ASE17, AD16, BSM<sup>+14</sup>, CVMA10, DY12, DRS<sup>+16</sup>, EE10, GCLC11, GVGNCVM16, GBA<sup>+18b</sup>, HRM<sup>+16</sup>, HMC11, JWL<sup>+16</sup>, KL16, MNGV16, MLH12, PSM17, QQW<sup>+17</sup>, RCC14, SLLG15, ST12, SXCL14, Tse12, WHC<sup>+15b</sup>, XWL10, XTW15, ZJL<sup>+16</sup>].

**OnlinePlus** [Ano10f]. **onto** [HNB<sup>+12</sup>, KN12, LSC11]. **Ontology** [MH19]. **Ontology-Based** [MH19]. **Open** [Ano13e, HTH15, TPR16]. **OpenCL** [CLOL18, HHC<sup>+18</sup>, LWKA15, LWZ18]. **OpenCL-Based** [CLOL18]. **OpenFlow** [JPLP13]. **OpenFlow-Based** [JPLP13]. **OpenMP** [MB12a]. **Operand** [LK15a, WE12]. **Operate** [FSGAB<sup>+16</sup>]. **Operating** [DCL<sup>+11</sup>, IBH<sup>+13</sup>, LMB<sup>+16</sup>, LLW<sup>+11</sup>, LLD<sup>+16</sup>, ZMW15]. **Operation** [ACW<sup>+11</sup>, HV14a, JHQL16, MYW11, YLH13]. **Operational** [RBIQ15]. **Operations** [APP12, Cil11, GC16, IRMM<sup>+16</sup>, KPBC17, KMP11, SEY14, SYH17, SS12, XTW15, ZLWZ15]. **Opinions** [JWWZ16]. **Opportunistic** [CBVL16, GHG<sup>+14</sup>, HKWC14, LCHC14, SKPC15, SMP16, XWH14, YZH<sup>+15</sup>, ZGB<sup>+15</sup>]. **Optical** [GY13, KH14, PTD<sup>+12</sup>, PRGBSAC19, ZGY14]. **Optimal** [ABH<sup>+13</sup>, AT16, BCL<sup>+17</sup>, CFL<sup>+18</sup>, CLS14, CCC15, CPL16, CYC11, CTS13, GM12, GZB<sup>+15</sup>, GKC19, GDY15, HT12, KwPK<sup>+15</sup>, KCS<sup>+13</sup>, KEK16, LCA10, LP13b, LZZV16, LWF13, MBGS10, PLP<sup>+13</sup>, RL13, RVC<sup>+15</sup>, TYY<sup>+16</sup>, TX16, VK15, WXLY15, WLT<sup>+16</sup>, XAYL15, YLGD19, YASS14, ZWLS15, Zhe10, ZV14, ZL15]. **Optimality** [TKL<sup>+14</sup>]. **Optimally** [WLQS13]. **Optimised** [CMO<sup>+16</sup>]. **Optimization** [AEP18, AR17, AWFV13, CPL16, CvdBC18, CK15, DSR15, DZD<sup>+16</sup>, DKW15, DDNT19, GYC<sup>+16</sup>, GAFN15, GZG<sup>+16</sup>, GW16, GLP15, HCSW15, HHLK12, HGL<sup>+15</sup>, JP13, KM11, KSEG15, KAH19, KHZ17, LYT<sup>+16</sup>, LHH14a, LSZ<sup>+15</sup>, ML18, NYHB16, PWTS16, QML<sup>+15</sup>, RC14, SKM14, SCJ<sup>+16b</sup>, SZW<sup>+16</sup>, TLGM17, WXW<sup>+14</sup>, WWM16, WRW16, WSL<sup>+18</sup>, XLL<sup>+18</sup>, XSR15, YLML15, ZD13, ZGG<sup>+16</sup>].

**Optimization-Based** [HCSW15]. **Optimizations** [BZ15, CVH<sup>+13</sup>, GHL17, LHTG15, YHT<sup>+16</sup>, ZAG19]. **Optimize** [HZX<sup>+14</sup>]. **Optimized** [FML10, IRMM<sup>+16</sup>, LNL<sup>+19</sup>, MCT19, Yam10]. **Optimizing** [DWZ18, DEE17, FSL<sup>+17</sup>, GKD<sup>+17</sup>, HWSX17, HWZ<sup>+17</sup>, LOX<sup>+13</sup>, LTLC12, LLLJ13, NEE18, NL16c, RS13, SYH17, ZJS14, ZFHC19, ZZ19, ZJXL11, Avr13]. **Optional** [PC16]. **Orchestrated** [SNM16]. **Order** [BMZ17, CVMA10, DP13, LPL12, MY10, NKEM11, RRK11, RBG<sup>+19</sup>, Sri10, WLZ<sup>+15</sup>, WA10, YCW11, YLP15, ZMB18]. **Ordered** [AKJ<sup>+13</sup>]. **Ordering** [BBPQ15]. **Organization** [KCL19, LR10, SBW<sup>+16</sup>]. **Organized** [DKK16]. **Organizing** [GEvS10]. **Oriented** [GZC<sup>+17</sup>, TC14, YHC19, ZL15]. **Orthogonal** [DRM16, NL15a]. **OS-Level** [cCWS14]. **OS/Apps** [ZLW<sup>+17</sup>]. **Oscillator** [LB15b]. **OSGi** [LLCH13]. **Other** [FLS16].

**Out-of-Order** [NKEM11, Sri10, WLZ<sup>+15</sup>, WA10]. **Outgoing** [Mon19]. **Output** [AHK10, TWTT11]. **Output-Queued** [AHK10]. **Outsourced** [LLC<sup>+15</sup>, LQD<sup>+16</sup>, WCH<sup>+15</sup>]. **Outsourcing** [WRW16, WJF<sup>+11</sup>]. **Over-Collection** [LDMQ16]. **Over-Redundant** [EJ15]. **Over/Under** [LY17]. **Overclocking** [KSC<sup>+14</sup>]. **OverCome** [JLKR19]. **Overhead** [AS12, BS16, CFR<sup>+14</sup>, CCW<sup>+10</sup>, CJK19, EE17, KLK<sup>+14</sup>, LKBS16, PPP13, RBMO11, RS13, TW10, WLQS13, ZLW<sup>+17</sup>]. **Overheads** [LKH16, SC18, XJFT16]. **Overlap** [PCHS17, RLRL19, ADJG19]. **Overlap-Free** [PCHS17]. **Overlay** [AK15, L XK12]. **Overscaling** [AEGH19]. **Oversubscribed** [KFB<sup>+15</sup>]. **Overview** [FLP<sup>+13</sup>]. **Owners** [ZLX<sup>+16</sup>]. **Ozone**

[NKEM11].

**P** [GT19]. **P1687** [ZICL12]. **P2P** [CS15, CLMM11, LSW15, PPB<sup>+</sup>14, SL13, SLC15a]. **Packed** [CXZ13, JL11]. **Packer** [LTW<sup>+</sup>12]. **Packet** [AHK10, BMS12, BSS14, BSS15, CW15, CW16, FBR<sup>+</sup>12, GY13, IHR<sup>+</sup>16, LFJ<sup>+</sup>13, LW13, LPCW14, MFT<sup>+</sup>17, MOYB12, RO11, SRCbL<sup>+</sup>15, ST11b, XHZ14, YFJ<sup>+</sup>14, YM11, YZGG16, ZWLS15]. **Packet-Mode** [AHK10]. **Packets** [KKH<sup>+</sup>14]. **Packing** [CGJ<sup>+</sup>10, SXCL14]. **Page** [AKJ<sup>+</sup>13, GCF<sup>+</sup>16, LBN14, LH16, LZZ<sup>+</sup>17b, PBE17, SPC<sup>+</sup>18]. **Paging** [KLLK11, WLY<sup>+</sup>14]. **Pair** [PR10]. **Paired** [KP13]. **Pairing** [BDE<sup>+</sup>11, CKM15, CMRH17, FVV12, KHPP16]. **Pairing-Based** [CKM15, CMRH17]. **Pairing-Friendly** [FVV12]. **Pairings** [LT14]. **Pairs** [PR10, VK15]. **Pairwise** [RNS13]. **Pancyclicity** [LH12a]. **PAnDA** [TLB<sup>+</sup>17, WTBT13]. **Papers** [Ano10c, Ano11c, Ano11d, Ano11e, Ano11f, Ano13d]. **Paradigm** [BDDL18, DYJ19, KYZC19, MFT<sup>+</sup>17]. **Parallel** [AR17, CS11b, CZP<sup>+</sup>16, Cil13, CDL<sup>+</sup>17, DN15, DYCG16, Fan16, Fin10, FM16, GRM16, GJ15, GAC14, HK13a, HWS<sup>+</sup>17, HWSX17, HS18, HT16, HHW<sup>+</sup>18, Ima18, KGD16, KAH<sup>+</sup>15, KLC18, KT12, LR16, LR10, LLCC13, LWL<sup>+</sup>16, LTW<sup>+</sup>12, LB13, LMT13, ML18, MHRARG<sup>+</sup>14, MBB<sup>+</sup>17, MKRM12, MC11, NL15b, NL16a, NZ15, NR15, NTR14, PZZQ19, PRM16, PSL17, QJM<sup>+</sup>10, QWB<sup>+</sup>13, RKR15, RT14, RS10, RQ14, SNY<sup>+</sup>10, TRA18, VAM10, WGR<sup>+</sup>14, WZLS16, XP10, XLX<sup>+</sup>14, YSZ<sup>+</sup>14, ZLBB19, ZCZL16, ZCS16, ZYL15, ZM10, ZYY18, ZXX<sup>+</sup>14, ZMRQ11]. **Parallelism** [HJF<sup>+</sup>13, JDA<sup>+</sup>16, LR16, LWF<sup>+</sup>17, SHGW15, SJC<sup>+</sup>17a, SJC<sup>+</sup>17b, XLL<sup>+</sup>18]. **Parallelization** [YLGE14]. **Parameter** [CYC<sup>+</sup>16, DZLP14, KSJ<sup>+</sup>12, NDC<sup>+</sup>13,

YFCV14]. **Parameter-Aware** [KSJ<sup>+</sup>12]. **Parameterized** [WLZ10]. **Parameters** [MBF18]. **Parametric** [LTL14, YLH13]. **Parity** [GRM16, KLC<sup>+</sup>16, MAD14]. **Parity-Based** [GRM16]. **PaRS** [ZHQX19]. **Parsing** [TLL<sup>+</sup>13]. **Partial** [CYHC14, CLC<sup>+</sup>16, DHM16, FSL<sup>+</sup>17, JWC12, JRC14, LHPH15, MY10, XHZ14]. **Partial-Terminal** [LHPH15]. **Partially** [DSPB13, DKK16, Pom16a, RSU17, SKEB16, WLJ<sup>+</sup>16]. **Partially-Functional** [Pom16a]. **Participation** [WZY16]. **Participatory** [LZZV16]. **Particle** [LKYC12, RM15c]. **Partition** [FF16, NTR14, SDL<sup>+</sup>19]. **Partitioned** [LCX<sup>+</sup>16, LS10c, YLML15, KMC17]. **Partitioning** [ASTU10, CTD<sup>+</sup>16, EDL<sup>+</sup>14, HWG<sup>+</sup>14, JSC10, KCY18, KKT15, LP12, LZA<sup>+</sup>16, MWW14, SJS10, WHYS16, YCCJ15, YHC19, ZRL15]. **Partitions** [LC16a]. **Party** [KKH<sup>+</sup>14, QZL<sup>+</sup>16]. **Pass** [ZGR13]. **Passing** [YKK<sup>+</sup>15]. **Passive** [JGHD11]. **Password** [ASBdS16, LLD19, YRT<sup>+</sup>16]. **Password-Authenticated** [YRT<sup>+</sup>16]. **Path** [BDP15, DSY<sup>+</sup>15, DVUS14, EDL<sup>+</sup>14, Fen14, GEN<sup>+</sup>17, KP13, NI11, RS13, SBP16, WTY<sup>+</sup>14, XTF<sup>+</sup>12, Yan14]. **Path-Based** [EDL<sup>+</sup>14, GEN<sup>+</sup>17]. **Path-Dividing** [Yan14]. **Paths** [Fen14, FK15, GDC<sup>+</sup>16, SKA10]. **Patient** [LDP10]. **Pattern** [AK16, DSKH15, GSK12, LP13a, LLCC13, LWL<sup>+</sup>16, MGW14, PPKW12, RSG<sup>+</sup>19, ZLY15, ZLN11]. **Pattern-Aware** [DSKH15]. **Patterning** [LZZ17a, khR<sup>+</sup>18]. **Patterns** [CCC15, CH14, LWF<sup>+</sup>17, Pom13b, RGK15, SBH11]. **Payload** [SPH13]. **PBC** [RPM16]. **PC** [BSS14, BSS15]. **PC-DUOS** [BSS14]. **PC-TRIO** [BSS15]. **PCLMULQDQ** [JL11]. **PCM** [NL15a, NL19, CCY<sup>+</sup>16, CJK19, LBN14, LWF<sup>+</sup>17, MCM16, QLH<sup>+</sup>16, ZZJ<sup>+</sup>19]. **PCs** [KBH<sup>+</sup>10]. **PDG.GEN** [MNFA14]. **PEAF**

[EKA17]. **Pearl** [HHKW12]. **Pearl-Necklace** [HHKW12]. **PEBD** [ZMRQ11]. **Peer** [CYJ<sup>+</sup>10, HHM11, LSS13, LLLJ13, YY10, YY14]. **Peer-Assisted** [LLLJ13]. **Peer-to-Peer** [CYJ<sup>+</sup>10, HHM11, LSS13, YY10, YY14]. **Penalties** [BCC<sup>+</sup>16]. **Pentanomials** [HF15, Ima18]. **Per-Job** [YLH10]. **Per-Resource** [YLH10]. **Perceptron** [LLW<sup>+</sup>18]. **Perf** [FSPD17]. **PerfBound** [SC18]. **PERFACTORY** [LCC10]. **Performability** [AXS<sup>+</sup>10, MCXZ18, SCNS10]. **Performance** [ALZ16, ASE17, AS12, BR13, BD15, BZ15, BJ12, CVPS19, CA12a, CPS<sup>+</sup>10, CK11, CCH11, CGT<sup>+</sup>15, CCK<sup>+</sup>16b, CJK19, CWY13, CTS13, CCD12, CCLH10, CDL<sup>+</sup>17, FSPD17, FTP13, FG10, GZC<sup>+</sup>17, GHL17, GCAG16, GRL<sup>+</sup>14, GW16, GCS<sup>+</sup>13, GBA<sup>+</sup>18b, HMR<sup>+</sup>17, HGCT13, HC13b, HLY14, HJF<sup>+</sup>13, HGW<sup>+</sup>17, Iko15, IS11, JAKD18, JC12, JZLD10, JHQL16, JJC14, KKL18, KM11, KIJ14, KBH<sup>+</sup>10, KP15, KCRG15, KCL<sup>+</sup>16, KSC<sup>+</sup>14, KAK18, LLC<sup>+</sup>16, LZ15, LK14, LS10a, LMJ14, LWZ18, LBWH11, LCY<sup>+</sup>16, LZZ<sup>+</sup>17b, LSG<sup>+</sup>15, LY17, MWW14, ML18, MJWT16, MLS19, MKRM11, MKRM12, Nan16, ORM10, OPV<sup>+</sup>17, PP11, PCLN15, PvdGG12, QWB<sup>+</sup>13, QLH<sup>+</sup>16, RVL<sup>+</sup>14, RMB<sup>+</sup>13, RSG<sup>+</sup>19, SMP16, SMA19, SMB<sup>+</sup>15, SMTK12, SSW12, SX12, SCSL12, SME<sup>+</sup>17, Tho12, TCK<sup>+</sup>18, TLGM17, VPS<sup>+</sup>12, VED<sup>+</sup>16, VAM10, WZLX12, WWY<sup>+</sup>18, WDSP12, WFY<sup>+</sup>17, XJFH15, XLC14, XLW14, XLJ16, YP12, YLML15]. **Performance** [YAG19, YMT13, YMTV14, YYP<sup>+</sup>16, ZCZL16, ZWX12, ZCS16, ZL16, ZLSI17, ZZJ<sup>+</sup>19, ZMW<sup>+</sup>19, ZZ10, ZRL15, ZOD13, ZJXL11, khR<sup>+</sup>18]. **Performance-Driven** [BR13]. **Performance-Energy** [BZ15]. **Performance-Predictable** [ALZ16]. **Performance-Varying** [ALZ16]. **Performance/Power** [Nan16]. **Performance/Reliability** [HMR<sup>+</sup>17]. **Performance/Reliability-Aware** [HMR<sup>+</sup>17]. **Performing** [KMP11]. **Period** [DZD<sup>+</sup>16, LXL<sup>+</sup>13, LDL<sup>+</sup>17, RBR13]. **Periodic** [HGW<sup>+</sup>17, LKBS16, LXJD15, LP13b, RBR13, WXS12]. **Peripheral** [PC10]. **Peripheral-Processor** [PC10]. **Peripherals** [BBP<sup>+</sup>13]. **Permanent** [DKK16, MBSSA19, PB16, ZHM<sup>+</sup>19]. **Permutation** [CJK15]. **Permutations** [ARH<sup>+</sup>18]. **Persistent** [WFT<sup>+</sup>19, XHLW19]. **Perspective** [KCW<sup>+</sup>17, KSC<sup>+</sup>14, WHBR16, WSXZ13]. **Perturbed** [PRM19, SST12]. **Pervasive** [KC13]. **Pessimistic** [HWL<sup>+</sup>14, Tsa13, YLL16]. **PETCAM** [MS12]. **Petri** [HB11, CCK10, YLH13]. **PHAETON** [SBP16]. **Phantasy** [RZPX19]. **Phase** [DY14, JSC<sup>+</sup>19, LYB15, LKK<sup>+</sup>19, NBZP17, NL15a, PLM16, PP11, PTD<sup>+</sup>12, QML<sup>+</sup>15, WSXZ13, YTD<sup>+</sup>18, ZZYZ14, NL19]. **Phase-Based** [PTD<sup>+</sup>12]. **Phase-Change** [DY14, LYB15, PP11, QML<sup>+</sup>15]. **Phase-Encrypted** [NBZP17]. **Phases** [CZ14]. **Phishing** [MAG<sup>+</sup>17]. **Phone** [ZZX<sup>+</sup>15]. **Phones** [TZL<sup>+</sup>14]. **Photonic** [KC14, SRR<sup>+</sup>16]. **Phylogeny** [MSPK12]. **Physarum** [LSZ<sup>+</sup>15]. **Physical** [FBWMM13, HWSN15, LcZLG19, PRGBSAC19, QPG10, SLC<sup>+</sup>15b, WTBT13, YLY<sup>+</sup>15a]. **Physically** [CJSM17]. **Piecewise** [Pom15a, SDP11]. **Piecewise-Functional** [Pom15a]. **Piecewise-Polynomial** [SDP11]. **PIM** [LK18]. **Pin** [RC14]. **Pin-Count** [RC14]. **Pinpointing** [LLM<sup>+</sup>15]. **Pipeline** [PRM16, PSND16, ROGHNB<sup>+</sup>18]. **Pipelineable** [BDMLN16]. **Pipelined** [CLS10, CKKS14, GT19, HFG<sup>+</sup>17, HZ11, KGP15, SDP<sup>+</sup>15, WZLX12]. **Pipelines** [CP10, SF17, Sri10]. **Pipelining** [ZWL<sup>+</sup>19]. **Pixel** [GKS14]. **Pixel-Arithmetic** [GKS14].

**Place** [LNCX18]. **Placement** [BDP15, CPL16, CYC11, FB13, GZB<sup>+15</sup>, HGL<sup>+15</sup>, KLK<sup>+14</sup>, KP15, KLC<sup>+16</sup>, LY11, LCLC19, Man16, MMH14, SWZG11, SZW<sup>+16</sup>, WXL13, WXLY15, WCLY16, YCLH16, YASS14, ZGG<sup>+16</sup>]. **Placement-Ideal** [SWZG11]. **Plagiarism** [CJ12]. **Planes** [UVL<sup>+13</sup>]. **Planning** [CMS10, CKN14, Cro14]. **Plantlet** [MSS17]. **Plasticity** [ZM17]. **Platform** [CZL<sup>+17</sup>, RVL<sup>+14</sup>, SPH13, VGF16, ZLN11]. **Platforms** [AKTB18, AS16, BMP<sup>+10</sup>, DMA<sup>+15</sup>, FMTK19, LCX<sup>+16</sup>, YYP<sup>+16</sup>, YAGB17, ZRL15]. **Player** [BSM<sup>+14</sup>]. **Players** [KLLK11]. **PLRU** [KLLK11, LKLK13, WLY<sup>+14</sup>]. **Plus** [BT16]. **Plus-Minus** [BT16]. **PMC** [HWL<sup>+14</sup>, LKT13, Tsa13]. **Podcast** [Ano10g]. **Point** [AMG17, AK14, BLMM16, BGHL19, CHCK12, CK15, CII16, DJJ<sup>+08</sup>, GH11, GNTS13, GABK11, HMS<sup>+12</sup>, JPG10, JKMR11, JLMP11, JCK15, JMMP16, KGD16, LP17, Lee12, Lef17, LCW<sup>+16</sup>, MKFM13, Nan19, PGvdG14, SBH11, SS12, VVMAZ12, VMHGN18, WF17, YTND12, ZMR<sup>+13</sup>, ZCK19, dDLM11]. **Pointers** [RKN<sup>+18</sup>]. **Points** [JLMP11, YTND12]. **Policies** [CXLL16, XLF15]. **Policy** [CWZC13, CFMA19, Cro14, LXDV17, LCHX11, RVH<sup>+16</sup>, ZHW15]. **Polymorphic** [CXZ13, TXL11]. **Polynomial** [AH10, ACO12, BNP10, BLB<sup>+19</sup>, CNH13, CHN14, Cil13, DWZ18, ERRMG15, Fan16, FP19, GAFN15, Gio12, HF15, HN11, JKMR11, LPW10, PCHS14, PCHS17, SDP11]. **Polynomials** [AK16, CMLRHS13, LCwW10, TIHM18]. **Polysynchronous** [NLRB17]. **Popularity** [ZHQX19]. **Popularity-Aware** [ZHQX19]. **Population** [MB16]. **Population-Based** [MB16]. **Pore** [MHRARG<sup>+14</sup>]. **Port** [GCL<sup>+13</sup>, LW15]. **Portable** [KLLK11]. **Ports** [Hie11]. **Positive** [WHC<sup>+15b</sup>]. **Post** [BKH<sup>+13</sup>, COLK18, DSR15, KN12, LLK18, NZ14, NL14, OHCK17, OCK17, PN16, SD18]. **Post-CMOS** [PN16]. **Post-Quantum** [LLK18, SD18]. **Post-Silicon** [BKH<sup>+13</sup>, COLK18, NZ14, NL14, OHCK17, OCK17, KN12]. **Post-Synthesis** [DSR15]. **Postsilicon** [CCL<sup>+13</sup>, PBV11]. **Potential** [CLW<sup>+19</sup>, Cil11]. **Power** [AQPMS15, AS14, ARS16, BDDL18, BSS15, BRN<sup>+15</sup>, BGM<sup>+13</sup>, BGMR13, BJ12, CLS14, CSCW13, CRJZ16, CGJ<sup>+10</sup>, CBTU14, DYW15, DMXY14, Dar15, DA12, DKLB15, DGC<sup>+15</sup>, EKA17, FZL<sup>+14</sup>, FHW18, GWMB13, GC16, GCAG16, GBD<sup>+15</sup>, GRL<sup>+14</sup>, GSF<sup>+10</sup>, GDY15, HRM<sup>+16</sup>, HMA<sup>+10</sup>, IPS17, JAKD18, JP13, JHQL16, JLLH19, KPS<sup>+17</sup>, KWC<sup>+16</sup>, KH14, KBP13, KHZ17, LK15a, LZ15, LW17, LWZ18, LCL17, LN12, LGMP10, LHTG15, LWH<sup>+16</sup>, LY17, LPL10, MWW14, MYHL16, MOYB12, MS12, MTBB10, MKRM11, Nan16, NC11, OPV<sup>+17</sup>, PKC<sup>+17</sup>, PvdGG12, QLH<sup>+16</sup>, RSNK17, RSN<sup>+18</sup>, RRK11, SP16, SCK10, SYD18, SKH16, SIVH16, SRK<sup>+17</sup>, SLZX15, SPC<sup>+18</sup>, SRHC12, TJX<sup>+17</sup>, TLGM17, VED<sup>+16</sup>, VALK19, WMW12, WJL<sup>+12</sup>, WZM<sup>+16</sup>, WP16, WSZ<sup>+16</sup>, WTZ<sup>+19</sup>, WMG18, XLS<sup>+12</sup>, YAG19, YM11, YTM16, YKDEV19, ZR15a, ZOK<sup>+19</sup>, ZZ10]. **Power-Aware** [CRJZ16, CGJ<sup>+10</sup>, HRM<sup>+16</sup>, YTM16]. **Power-Constrained** [TLGM17, WMW12, WJL<sup>+12</sup>]. **Power-Efficient** [DKLB15, EKA17, FZL<sup>+14</sup>, JAKD18, JP13, KH14, SRK<sup>+17</sup>]. **Power-Equalized** [WMG18]. **Power-Off** [KWC<sup>+16</sup>]. **Power/Performance** [GCAG16]. **POWER5** [MBC<sup>+13</sup>]. **POWER6** [MBC<sup>+13</sup>]. **PowerCool** [ASS<sup>+18</sup>]. **Powered** [BDM<sup>+19</sup>, CLZ19, MTBB10]. **Powering** [ASS<sup>+18</sup>, HZL<sup>+16</sup>, VB13]. **Powers** [Dum14, Wal19]. **PowerTracer** [LZW<sup>+15</sup>]. **Practical** [DCM16, GDLL18, GC16, GPR<sup>+19</sup>, HSA14,

HKR<sup>+18</sup>, KMM16, LMJ14, MBF18, PDJ<sup>+19</sup>, SQJ<sup>+15</sup>, WJX<sup>+19</sup>, YFJ<sup>+14</sup>].  
**Practice** [LLL15]. **PRAM** [HK15b]. **Pre** [ARM15, TX16, TAM<sup>+16</sup>].  
**Pre-Computation** [ARM15, TX16].  
**Pre-Encoded** [TAM<sup>+16</sup>]. **Precedence** [GHK15, Li12b, LTVL15, TLZV11].  
**Precedence-Constrained** [TLZV11].  
**Precise** [CVH<sup>+13</sup>, LK15a]. **Precision** [AMR18, BLB<sup>+19</sup>, BGHL19, CCRL19, CZS<sup>+19</sup>, FEM<sup>+18</sup>, Joh17, JMMP16, KS10b, LP17, Lef17, LMB17, ZCK19, NVB16].  
**Precomputation** [AS16]. **Predicate** [KHPP16, KC13, XKT<sup>+15</sup>, YHML16, ZCR16]. **Predicate/Transition** [XKT<sup>+15</sup>].  
**Predictable** [ALZ16, ARG14, DCL<sup>+11</sup>, HCZW13, WA10, XLJ16]. **Predicting** [BD15, DSY<sup>+15</sup>, SB10, ZZX<sup>+15</sup>].  
**Prediction** [AF14, AYC16, ASE17, BWV15, CGJ<sup>+10</sup>, Fen14, JGG<sup>+14</sup>, JWWZ16, JRJ<sup>+18</sup>, LR16, LTL14, LDP10, LCT11, MKAY11, SB10, SIB13, XWL<sup>+16b</sup>, ZCZL16, ZCS16].  
**Prediction-Based** [AF14, BWV15].  
**Predictive** [CNJ14, LSC10]. **Predictors** [MKAY11, MUMB11]. **Preempt** [SL14b].  
**Preemption** [IGLM15]. **Preemptive** [Lee17]. **Prefetch** [LMNP11].  
**Prefetch-Aware** [LMNP11]. **Prefetched** [RPM16]. **Prefetcher** [LKS<sup>+14</sup>, Pan16, RLSK18]. **Prefetching** [DZ10, GWZ<sup>+10</sup>, OYP<sup>+18</sup>, OKY<sup>+19</sup>, RZPX19, TLL<sup>+13</sup>]. **Prefix** [CWZC13, CKKS14, LP12, LLLP14].  
**Prefix-Based** [CKKS14]. **Prescaling** [WE12]. **Preservation** [ZDP<sup>+15</sup>].  
**Preserving** [CYHL14, GLTC16, LQD<sup>+16</sup>, MB12b, QQW<sup>+17</sup>, RVH<sup>+16</sup>, SH12, SZDL14, WCW<sup>+13</sup>, ZYC16, ZLX<sup>+16</sup>, ZHW<sup>+16</sup>, ZHW15]. **Pressure** [WZK<sup>+19</sup>, XSR15].  
**Preventing** [KKH<sup>+14</sup>, LS10b, LDMQ16].  
**Prevention** [MAG<sup>+17</sup>, STK16]. **Price** [FLL14]. **Pricing** [JT15, MNGV16, ZV14].  
**Primal** [LPL<sup>+13</sup>]. **Primal-Dual** [LPL<sup>+13</sup>].

**Primary** [BR13, FHL<sup>+18</sup>, MJWT16, YTD<sup>+18</sup>].  
**Primary-Backup** [BR13]. **Prime** [Dum14, XMH13]. **Prime-Length** [XMH13].  
**Primitives** [AAR19]. **Principal** [FEM<sup>+18</sup>].  
**Prioritized** [LH12b]. **Priority** [BM13a, BDB18, Lee17, LYS10, MBD<sup>+17</sup>, NRG15, ZZ19]. **Privacy** [CYHL14, HBCC13, LDMQ16, LQD<sup>+16</sup>, QQW<sup>+17</sup>, RVH<sup>+16</sup>, SKZS13, SZDL14, WCW<sup>+13</sup>, ZDP<sup>+15</sup>, ZLY15, ZYC16, ZLX<sup>+16</sup>, ZHW<sup>+16</sup>, ZHW15].  
**Privacy-Preserving** [CYHL14, LQD<sup>+16</sup>, QQW<sup>+17</sup>, RVH<sup>+16</sup>, SZDL14, WCW<sup>+13</sup>, ZHW<sup>+16</sup>, ZHW15].  
**Private** [QZL<sup>+16</sup>, WCL<sup>+18</sup>].  
**Privatization** [AH13]. **Proactive** [LYY16, LZYL13, WZY16, WJM15].  
**Proactively** [CHK10]. **Probabilistic** [LJ18, LHL13b, MHHS17, MHH<sup>+17</sup>, NC11, WNCH17, ZCR16]. **Probabilistically** [KAQC14, WHL17].  
**Probabilistically-Atomic** [WHL17].  
**Probabilities** [LB15a]. **Probability** [NCD<sup>+17</sup>, WF14]. **Probable** [XTF<sup>+12</sup>].  
**Probe** [ZC13]. **Probe-Based** [ZC13].  
**Probing** [ZC13]. **Problem** [Amm14, CPS<sup>+10</sup>, DALD18, DVUS14, Fuj11, LHPH15, LZ14, LSZ<sup>+15</sup>, WTY<sup>+14</sup>].  
**Problems** [DDN14, GO10, LYT<sup>+16</sup>, LSX13, WHL<sup>+12</sup>, XLL15]. **Procedure** [BTBB14, LOC<sup>+16</sup>, XXBL17]. **Process** [DSG<sup>+19</sup>, GV15, HK16, KSC<sup>+14</sup>, KKC15b, LSA18, MLS19, PR10, ZDYZ13, ZDYZ14].  
**Processes** [Cao12, NZLK14]. **Processing** [BBB<sup>+17</sup>, CK15, DHW<sup>+19</sup>, DKW15, FGS<sup>+15</sup>, GZC<sup>+17</sup>, GZG<sup>+16</sup>, GIKR19, GAC14, KLC18, LOX<sup>+13</sup>, LVJ16, MW10, SRCbL<sup>+15</sup>, SOM<sup>+13</sup>, SSW12, SPH13, WZLX12, WGR<sup>+14</sup>, WAK<sup>+17</sup>, WZW<sup>+19</sup>, XLS<sup>+12</sup>, XYHD17, ZCZ<sup>+19</sup>, ZLJ<sup>+17</sup>, dOPSR16]. **Processor** [BJ12, Dar15, Gor14, GRL<sup>+14</sup>, HCG<sup>+16</sup>, IDG<sup>+17</sup>, JWH<sup>+15</sup>, JAD<sup>+18</sup>, KAH<sup>+15</sup>, LvH12, Li12b, LB13,

LOC<sup>+</sup>16, MBD<sup>+</sup>17, MFG14, MIS<sup>+</sup>14, PBV11, PCZB11, PC10, PPP13, RJV<sup>+</sup>18, RSG<sup>+</sup>19, SDMM12, TBC<sup>+</sup>17, VED<sup>+</sup>16, YMG15, YYC12, ZDYZ13, ZDYZ14].  
**Processors** [ARS16, BLKM<sup>+</sup>18, CLS14, CA12b, CCLH10, DZLP14, FHW18, GJ14, GSL10, GBA<sup>+</sup>18b, HTA17, HV12, HV14a, HBR11, IHR<sup>+</sup>16, JLC10, JJC14, KKC17, LK15a, LKH16, LSA<sup>+</sup>17, LMC<sup>+</sup>12, MMAC19, MBC<sup>+</sup>13, NEE18, OPAGS14, RCM<sup>+</sup>16, RURM18, RTRM19, RCN11, RTL<sup>+</sup>18, RRK11, SZZ<sup>+</sup>19, TCHL18, USP<sup>+</sup>13, YG10, YRG13, ZR15b, ZZ10].  
**Procurement** [PR14]. **Produced** [Jes15].  
**Producer** [KSEG15].  
**Producer-Consumer** [KSEG15]. **Product** [CLL<sup>+</sup>14, CLC<sup>+</sup>16, HF15, HMNN12, HN13, PCHS16, PCHS18, Red19, RM15b].  
**Production** [CKN14]. **Products** [BCTV19, CNH13]. **Profile** [AVS<sup>+</sup>14, SV18].  
**Profiled** [Bar16]. **Profiling** [AKTB18, Fin10, KLKL13, LVMS18]. **Profit** [MLOL15]. **Profitability** [EE10]. **Program** [CZ14, KLLK11, LYH11, MUMB11, PNKI13, RKT19, SB10]. **Program-Level** [PNKI13].  
**Programmable** [BEHL<sup>+</sup>19, WLW<sup>+</sup>14, ZJH<sup>+</sup>14].  
**Programming** [BFR<sup>+</sup>15, CJSM17, HTA17, LvH12, LJVJ18, WHL<sup>+</sup>12, WRW16].  
**Programs** [BCK<sup>+</sup>16, Fin10, GPRS17, GCR<sup>+</sup>19, WLY<sup>+</sup>14]. **Progress** [FSPD17, OYP<sup>+</sup>18, TLGM17].  
**Progress-Aware** [FSPD17]. **ProgressFace** [LYCT10]. **Progressive** [FBR<sup>+</sup>12].  
**Projected** [BCTV19]. **Projections** [SST12]. **Promise** [LT15]. **Promoting** [LYL<sup>+</sup>19]. **Proof** [HCD<sup>+</sup>16, SDZ15, XXBL17, ZGWC15].  
**Proofs** [CL10]. **Propagating** [LS10b].  
**Propagation** [ACGP13, FNS16, LLW<sup>+</sup>18, WHC<sup>+</sup>15b].  
**Properties** [CL10, HIJ<sup>+</sup>19, LHL13a, WGZ<sup>+</sup>15].  
**Property** [CM11, HIJ<sup>+</sup>19, MLW12, ST18a, TIHM18, YWM19, ZWYY15].  
**Property-Based** [MLW12]. **Proportional** [NY19]. **Propose** [BFMT16]. **Protect** [CSS13, FRB<sup>+</sup>18]. **Protected** [MAD14].  
**Protection** [CMM15, DRM16, DCV<sup>+</sup>12, HCG<sup>+</sup>16, KSN<sup>+</sup>15, LDMQ16, LLS<sup>+</sup>16, MAD14, NDG<sup>+</sup>17, RURM18, RTRM19, Red11, SKZS13, SMRM17, SEY14, SP12, SWWC11, YCL<sup>+</sup>12, YW12, ZLY15].  
**Protein** [MGW14]. **Protocol** [AVG<sup>+</sup>15, BGRH15, CSJ<sup>+</sup>11, FHLOJRH18, FBWMM13, HL10a, HWX15, JZLD10, LCCJ13, LZYL13, LSL15, LXZ<sup>+</sup>15, RQ14, SMB<sup>+</sup>15, SDZ15, TC14]. **Protocols** [AD12, CKM15, CMRH17, CWZ13, DVUS14, EFGT18, KKP<sup>+</sup>16, LLZ<sup>+</sup>17, LYCT10, PFGB14, VYEB17, VYEB18, YRG13, YRT<sup>+</sup>16]. **Prototype** [Bar16, CS11b]. **Prototyping** [CCAM14, JRP<sup>+</sup>14]. **Provably** [DJJ<sup>+</sup>08, Lee12, PSM17, XJWW13].  
**Providers** [FLL14]. **Providing** [GPN11, YASS14, ZCY<sup>+</sup>16]. **Proving** [HTA10]. **Provisioning** [CRJZ16, HGL<sup>+</sup>15, JPLP13, KL16, LY17, PAC<sup>+</sup>12, SXCL14, XLF15, XLJ16, ZRS<sup>+</sup>16, ZT15]. **Proxies** [GJ14]. **Proximity** [ZDP<sup>+</sup>15].  
**Proximity-Aware** [ZDP<sup>+</sup>15]. **Proxy** [HHM11, XJW<sup>+</sup>16]. **Prune** [DYJ19].  
**Pruning** [CZP<sup>+</sup>16, Ste14]. **PSBS** [DCM16].  
**Pseudo** [FD16, KCW<sup>+</sup>17].  
**Pseudo-Boolean** [FD16].  
**Pseudo-Differential** [KCW<sup>+</sup>17].  
**Pseudorandom** [MG16]. **PSRAM** [CSCW13]. **Pub** [BBPQ15]. **Pub/Sub** [BBPQ15]. **Public** [JCM16, LCwW10, LRY<sup>+</sup>15, MRW<sup>+</sup>15, SWM<sup>+</sup>10, WCW<sup>+</sup>13, XJWW13].  
**Public-Key** [LCwW10, SWM<sup>+</sup>10, XJWW13].  
**Publication** [Ano10f]. **Publish** [BS15].  
**Publish/Subscribe** [BS15]. **Publishing** [Ano13e]. **Pubsub** [BS15]. **PUF** [GLH<sup>+</sup>19, SMCN18]. **PUFs** [USH19].



**Purpose** [HTA17, SJVR19]. **Push** [LP13b]. **Push-Based** [LP13b].  
**Q** [DYHX16, SCJ<sup>+</sup>16a, WGW<sup>+</sup>15]. **Q-DRAM** [SCJ<sup>+</sup>16a]. **Q-Learning** [DYHX16]. **QBF** [MVB10]. **QC** [HC17]. **QC-MDPC** [HC17]. **QCA** [LLOS13]. **QoE** [THM<sup>+</sup>14]. **QoE-Based** [THM<sup>+</sup>14]. **QoS** [AK15, CP10, GZB<sup>+</sup>15, HGL<sup>+</sup>15, HLC<sup>+</sup>19, KS10a, KSS12, KP15, LY11, SMG14, ZWC<sup>+</sup>18, ZQQ11]. **QoS-Aware** [KSS12, LY11, ZQQ11]. **QoS-Based** [AK15]. **QoS-Less** [HLC<sup>+</sup>19]. **Quadratic** [Bin15, SEY14]. **Quadruple** [FGS<sup>+</sup>13]. **Quadruple-Based** [FGS<sup>+</sup>13]. **Qualification** [PFGB14]. **Quality** [BKV12, Jes15, MLOL15, PAC<sup>+</sup>12, RSJR17, SC11, YHV13]. **Quality-Driven** [YHV13]. **Quantifying** [LY17, YSLL16]. **Quantitative** [ZLH<sup>+</sup>15]. **Quantum** [GM15, HHKW12, KMM16, KKS14, LLK18, LWK11, MSK15, MCT19, RO11, SO10, SD18, WCL<sup>+</sup>18]. **Quantum-Dot** [KKS14]. **Quantum-Oblivious-Key-Transfer-Based** [WCL<sup>+</sup>18]. **Quasi** [LC16b, PDXZ13]. **Quasi-EZ-NAND** [PDXZ13]. **Quasi-Random** [LC16b]. **Quaternions** [PP16]. **Quatrain** [RWZZ14]. **Qubit** [KMM16]. **Queries** [SX12, WXS12, ZCL<sup>+</sup>16]. **Query** [CLR13, HXVF12, OOD<sup>+</sup>17, WCL<sup>+</sup>18]. **Quest** [RM15a]. **Queue** [PPND17]. **Queued** [ACGP13, AHK10, BGMR13, ZWLS15]. **Queues** [TB15]. **Queuing** [FHW18, SKEB18]. **Queuing-Based** [FHW18]. **Queuing-Theory** [SKEB18]. **Quick** [SCJ<sup>+</sup>16a, Tsa13, ZZJ<sup>+</sup>19]. **Quick-Access** [SCJ<sup>+</sup>16a]. **Quick-and-Dirty** [ZZJ<sup>+</sup>19]. **Quorum** [LRC10]. **Quorum-Based** [LRC10]. **Quotient** [Rus13].  
**R2** [DLC<sup>+</sup>13]. **R3TOS** [IBH<sup>+</sup>13]. **Race** [DJN17, WhCCC12]. **Races** [RBK<sup>+</sup>12]. **Racetrack** [MWZ<sup>+</sup>17, SBW<sup>+</sup>16]. **Radar** [WCLY16]. **Radiation** [CPRH16, dOPSR16]. **Radiation-Induced** [dOPSR16]. **Radio** [BBVL14, LWY15, XWL<sup>+</sup>16a, YCCWC15]. **Radius** [Joh17]. **Radix** [ARM15, AS10, ABA07, DJA11, EJ15, GIW18, Jha13, JHQL16, Kor15, LQW<sup>+</sup>17, MLH12, RMB<sup>+</sup>12, TAM<sup>+</sup>16, VAB14, WE12]. **Radix-** [EJ15, TAM<sup>+</sup>16, VAB14]. **Radix-16** [WE12]. **Radix-2** [MLH12]. **Radix-4** [LQW<sup>+</sup>17]. **Radix-8** [ARM15, JHQL16]. **RAHMM** [JYL<sup>+</sup>17]. **RAID** [FSL<sup>+</sup>17, IS11, KLC<sup>+</sup>16, LLL16, ROGHNB<sup>+</sup>18, WJF<sup>+</sup>11, ZZS10, ZZL14, ZLWZ15]. **RAID-5** [ZZS10, ZZL14]. **RAID-6** [FSL<sup>+</sup>17, ZLWZ15]. **RAID-Structured** [WJF<sup>+</sup>11]. **Rail** [GSF<sup>+</sup>10, NI11]. **Railway** [HDYS16]. **RAM** [AYC16, CKD<sup>+</sup>17, FKMK16, JW16, KA19, LHL<sup>+</sup>15a, PP11, WW16, YLGD19]. **RAMS** [LK16b, AAR19]. **Random** [BCK<sup>+</sup>16, CB15, EF12, Jes15, LLD<sup>+</sup>16, LC16b, SST12, SMK<sup>+</sup>16, SN16, TM18, YCW11, ZOD13]. **Randomization** [DSY<sup>+</sup>15]. **Randomized** [CATB19, GDLL18, GIW18, LC16b, RL13, XCW<sup>+</sup>10]. **Range** [KN11a, SX12]. **Rank** [LPL<sup>+</sup>13, LK16b, LWH<sup>+</sup>16, SJC<sup>+</sup>17b, FZL<sup>+</sup>14]. **Rank-Aware** [LK16b, LWH<sup>+</sup>16]. **Rank-Level** [SJC<sup>+</sup>17b]. **Ranked** [ZLX<sup>+</sup>16]. **Ranking** [ABSK15]. **Raphson** [Dum14, Wal19]. **Rapid** [HGML11, JRP<sup>+</sup>14]. **Raptor** [MNK11]. **Rate** [CFMA19, GDY15, LOH17, LB15b, MBGS10, PP14, SV18, ZCC<sup>+</sup>14, dRV12]. **Rate-Distortion** [dRV12]. **Rate-Optimal** [MBGS10]. **Rate-Selective** [LOH17]. **Rateless** [YW12]. **Rating** [JWWZ16]. **Ratio** [LHPH15]. **Ray** [XHZC16]. **RB** [SQJ<sup>+</sup>15]. **RB-Explorer** [SQJ<sup>+</sup>15]. **RC** [HWX15, LXW<sup>+</sup>19]. **RC-MAC** [HWX15]. **RC-NVM** [LXW<sup>+</sup>19]. **RC4** [GCS<sup>+</sup>13]. **RD** [SV18]. **REDIS** [MMC15]. **RDP** [ZLWZ15].

**Re** [XJW<sup>+</sup>16]. **Re-Encryption** [XJW<sup>+</sup>16]. **Reachability** [HB11, XXBL17]. **Reachable** [Pom15a]. **Reactive** [LvH12, RBRL15]. **Read** [BEHL<sup>+</sup>19, CLW<sup>+</sup>19, GC16, KCL19, LKK<sup>+</sup>19, LSG<sup>+</sup>18, LCY<sup>+</sup>16, HCY18]. **Read-Modify-Write** [LKK<sup>+</sup>19]. **Reads** [FSL<sup>+</sup>17, RLSK18, ZLLX15]. **Real** [AF14, ADP<sup>+</sup>15, ABEP16, AEP18, AE11, AC11, BBD<sup>+</sup>12, BBP<sup>+</sup>13, Bin15, BBB16, BPC12, BGRH15, CWF14, CBB19, CW10, Cha14, CYCC11, CGL<sup>+</sup>18, CQ14, CLR13, DZD<sup>+</sup>16, DA12, EE17, FM16, GCAG16, HWZ<sup>+</sup>12, HV12, HCH15, HV16, HHLK12, HXL11, HV14b, HGW<sup>+</sup>17, IBH<sup>+</sup>13, KS10a, KSS12, KM11, KGP15, KMC17, KLLK11, KCE<sup>+</sup>18, KAQC14, KDEV19, KT12, LYH11, LHC<sup>+</sup>14, LKLK13, LSSE15, LXDV17, LC16a, LLW<sup>+</sup>11, LGS<sup>+</sup>18, MUMB11, MBSSA19, MFG14, MKM14, MW13, NRG15, NZLK14, OPZ15, PTD<sup>+</sup>12, PC10, PMH<sup>+</sup>14, RHC<sup>+</sup>14, RF14, SYD18, TB15, TH11, TFCY16, TCHL18, THGT13, TKT16, WXS12, WBZ<sup>+</sup>15, WLY<sup>+</sup>14, WA10, WLZ10, XWLX17, YPB<sup>+</sup>16, YYW<sup>+</sup>16, YHV13, YTM16, YAGB17, ZLBB19, ZD13, ZLJ<sup>+</sup>17, ZCW18, ZZ19, ZYY18, ZHM<sup>+</sup>19, ZQQ11, ZCYX15]. **Real-Numbers** [HV16]. **Real-Power** [SYD18]. **Real-Time** [ABEP16, AEP18, AE11, BBD<sup>+</sup>12, BBP<sup>+</sup>13, Bin15, BBB16, BPC12, BGRH15, CWF14, CBB19, CW10, Cha14, CYCC11, CGL<sup>+</sup>18, CQ14, CLR13, DZD<sup>+</sup>16, DA12, EE17, FM16, GCAG16, HWZ<sup>+</sup>12, HV12, HCH15, HHLK12, HXL11, HV14b, HGW<sup>+</sup>17, IBH<sup>+</sup>13, KS10a, KSS12, KM11, KGP15, KMC17, KLLK11, KCE<sup>+</sup>18, KAQC14, KDEV19, KT12, LYH11, LHC<sup>+</sup>14, LKLK13, LSSE15, LXDV17, LC16a, LLW<sup>+</sup>11, LGS<sup>+</sup>18, MUMB11, MBSSA19, MFG14, MKM14, MW13, NRG15, NZLK14, OPZ15, PTD<sup>+</sup>12, PC10, PMH<sup>+</sup>14, RHC<sup>+</sup>14, RF14, TB15, TH11, TFCY16, TCHL18, THGT13, TKT16, WXS12, WBZ<sup>+</sup>15, WLY<sup>+</sup>14, WA10, WLZ10, XWLX17, YPB<sup>+</sup>16, YYW<sup>+</sup>16, YHV13, YTM16, YAGB17, ZLBB19, ZD13, ZZ19, ZYY18, ZHM<sup>+</sup>19, ZQQ11, ZCYX15]. **Real-World** [ZLJ<sup>+</sup>17, ZCW18]. **Real/Complex** [AC11]. **Realignment** [VCG<sup>+</sup>12]. **Realizable** [LT15]. **Realization** [LK10, XMH13]. **Realizing** [WKB16, ZLW<sup>+</sup>17]. **Reallocation** [Tse12]. **Rearranging** [SJS10]. **Reasoning** [DSB13]. **Reasons** [Ano10b]. **Receiver** [HWX15]. **Receiver-Centric** [HWX15]. **Receiving** [Ano13f, ST12]. **Rechargeable** [WLYY16]. **Recoding** [RS10, ZDP<sup>+</sup>15]. **Recognition** [AWFV13, LKLT12, QWB<sup>+</sup>13, TBC<sup>+</sup>17, YAG19]. **Recombination** [CHN14, HMNN12, PCHS17]. **Recompilation** [GDJZ18]. **Reconfigurable** [AD16, BQP<sup>+</sup>16, BBI<sup>+</sup>13, CZP<sup>+</sup>18, CCLH10, DPO17, DKK16, EKA17, GKB<sup>+</sup>10, GP14, GLP15, GFAM11, HNB<sup>+</sup>12, IBH<sup>+</sup>13, KMLH11, KGC14, LDB<sup>+</sup>17, LYJ<sup>+</sup>18, MLCH10, NVB16, PPP13, RWC18, RSU17, SOM<sup>+</sup>13, SPH13, TLB<sup>+</sup>17, TBC<sup>+</sup>17, UVL<sup>+</sup>13, WTBT13, WZCG16, ZMR<sup>+</sup>13, ZBK<sup>+</sup>17, ZYY18]. **Reconfiguration** [MKLW14, PB16, YZHX12]. **Reconfiguring** [JWH<sup>+</sup>15, ZNL18]. **Reconstructing** [GDC<sup>+</sup>16]. **Reconstruction** [HQLX15, LS10b, MG16, MH19, SST12]. **Recording** [WFY<sup>+</sup>17]. **Recoverability** [YCK16]. **Recoverable** [DDNP11]. **Recovery** [ASTU10, AD16, DKK16, GSG<sup>+</sup>15, HGML11, JSC<sup>+</sup>17, KWC<sup>+</sup>16, LLL15, LSA<sup>+</sup>17, LLD19, TLB<sup>+</sup>17, XHZ14, XLX<sup>+</sup>14, YXZZ14, ZXX<sup>+</sup>14]. **ReCREW** [DKH<sup>+</sup>13]. **Rectilinear** [WTY<sup>+</sup>14]. **Recurrent** [XWL<sup>+</sup>16b]. **Recursive** [KP13, LMZQ17, MHHS17, Red14]. **Recursively** [LS10c]. **Redeeming** [YSLL16]. **Redio** [WZW<sup>+</sup>19]. **Redirection** [HQLX15]. **Redistribution** [ZZS10]. **ReDO** [SVD18]. **Reduce** [COLK18, DZ10, GPRS17, KGGJ14, KS10b, LXX12, LZW<sup>+</sup>15, OHCK17, OCK17,

QPG10, WBG19, WZK<sup>+19</sup>]. **Reduced** [CCRL19, HLC<sup>+19</sup>, LK15a, Li12b, Pom12a, PSL17, WS10]. **Reducing** [BS16, CTD<sup>+16</sup>, CLZ19, KLK17, KCL19, LAAM11, LKH16, LCLC19, RS13, SPC<sup>+18</sup>, WFT<sup>+19</sup>, WZ14, WZW<sup>+19</sup>, YCW11, Yan14, YLP15, ZLWZ15, ZMW15]. **Reduction** [AKKH12, CCC15, CCC<sup>+18</sup>, CFMA19, GBA18a, JJK<sup>+11</sup>, JT15, KVV10, LK15b, NL19, OKC13, SMK<sup>+16</sup>, TLL12, WS10, XJFT16]. **Redundancy** [CABZM18, CCRL19, FHL<sup>+18</sup>, GY15a, GY15b, HBR11, KwPK<sup>+15</sup>, KS12, LW17, SSW12, VCSG<sup>+19</sup>, ZHQX19]. **Redundant** [AO12b, Bra10, CCK<sup>+16b</sup>, CvdBC18, CLC<sup>+16</sup>, EJ15, GJ15, HK13a, HVZ13, JPG10, LCY<sup>+19</sup>, TAM<sup>+16</sup>, VVMAZ12, VAB14]. **Redundant-Digit** [JPG10]. **Reed** [PROM15, RMB<sup>+12</sup>, TW10]. **Reference** [ZZ17]. **Refine** [LVMS18]. **Refinement** [HSH<sup>+10</sup>, Sri10, ZYY10]. **Refresh** [BCM14, BCC<sup>+16</sup>, CLW<sup>+19</sup>, DSG<sup>+19</sup>, GC16, JSC<sup>+17</sup>, LHL<sup>+15a</sup>, SSJ<sup>+18</sup>, SCJ<sup>+16b</sup>, SPC<sup>+18</sup>, WBG19]. **Refresh-Aware** [JSC<sup>+17</sup>]. **Refreshing** [FHW18]. **Refurbishment** [AD13]. **Regenerating** [LLL15]. **Regenerating-Coding-Based** [LLL15]. **Regime** [SMB<sup>+15</sup>]. **Region** [CCK10, HWSX17, HCSW15, MSC12, ZD13]. **Region-Based** [CCK10]. **Region-Level** [HWSX17]. **Regional** [CHC<sup>+15</sup>]. **Regions** [DNSS11]. **Register** [CCV<sup>+11</sup>, JLKR19, MWZ<sup>+17</sup>, NCD<sup>+17</sup>, QPG10, RURM18, RRR11, VCSG<sup>+19</sup>, XLL<sup>+18</sup>]. **Registers** [QPG10]. **Regression** [DP13, LDP10]. **Regular** [ARM15, CMB13, Cha10a, LKT13, LXZH16, OWP16, YP12]. **Regularity** [LYL<sup>+19</sup>]. **Regulated** [YYW<sup>+16</sup>]. **Regulation** [LSG<sup>+18</sup>]. **Reinforcement** [FCB<sup>+19</sup>, WP16, ZM17]. **Reinforcing** [YCK16]. **Rejuvenation** [BDL<sup>+13</sup>]. **Rejuvenations** [HGW<sup>+17</sup>]. **Related** [Cil11]. **Relating** [ZGW14]. **Relational** [XTW15]. **Relations** [BCTV15, BCTV19, PR10]. **Relationship** [HL10b, SCJ<sup>+16b</sup>]. **Relationships** [MB12b]. **Relaunching** [GCF<sup>+16</sup>]. **Relaxation** [CCK<sup>+16a</sup>, LZZ17a]. **Relaxed** [LYL<sup>+19</sup>]. **Relay** [CWY13, LY11, LB15a, MMH14, ZY12]. **Releasing** [CLW<sup>+19</sup>]. **Reliability** [BMS11, BM13b, Cao12, CK11, CHH<sup>+13</sup>, CCK<sup>+16b</sup>, CJA<sup>+16</sup>, CvdBC18, FHL<sup>+18</sup>, HCL<sup>+14</sup>, HCY18, HTA10, HL10b, ISC15, Ibr16, KLC<sup>+16</sup>, LXJD15, LCH<sup>+15</sup>, LLL16, LYY16, LHL13b, MHK15, MMAC19, NEE18, PCZB11, SMCN18, SKEB16, SDP<sup>+12</sup>, VSC<sup>+19</sup>, WWM16, XH16, YyHL11, YWXZ12, YL14, YMTV14, ZYL15, ZWYY15, ZWC13]. **Reliability-Aware** [BMS11, HMR<sup>+17</sup>, ZYL15]. **Reliability-Driven** [BM13b, PCZB11]. **Reliable** [ACW<sup>+11</sup>, AFH<sup>+10</sup>, AS14, ARS16, BBI<sup>+13</sup>, BS10, CHL17, CAGM14, DKH<sup>+13</sup>, HLY14, IBH<sup>+13</sup>, KDEV19, LXL<sup>+14</sup>, LKLT12, VBR<sup>+13</sup>, WKB16, XL16, YTD<sup>+17</sup>, ZL15]. **Relinquishment** [ST17]. **Relocatable** [DLC<sup>+13</sup>]. **Relocation** [KK10]. **Remainder** [Fan16, PB11]. **Remapping** [JDA<sup>+16</sup>, KCKL19]. **Remote** [HPR16, JGG<sup>+14</sup>, KCRG15, SRCbL<sup>+15</sup>]. **Removal** [LHCL13]. **Removing** [RXC<sup>+15</sup>, WLQS13]. **Renaming** [JLKR19]. **Renewable** [CFW14, RLX15]. **Reordered** [NWA12]. **Reordering** [KKH<sup>+14</sup>]. **Reorganization** [LBWH11]. **Reorganizing** [AGFM11]. **Repair** [LLW<sup>+17</sup>, PN16]. **Repairing** [RSU17, TW10]. **Repeatable** [DN11]. **Repetitive** [TLP17]. **Replacement** [CXLL16, CFMA19, KS14, LBN14, OGH<sup>+14</sup>]. **Replacing** [YMG15]. **Replay** [RTL<sup>+18</sup>, ZCZL16]. **Replica** [AT16, LYY16, LRY<sup>+15</sup>]. **Replicas** [LK18]. **Replication** [AD14, BR13, CS15, GV15, HS18, LYY16, LLX<sup>+17</sup>, SWZG11, SL13, SLC15a, Tse12].

**Reporting** [LZYL13]. **Repositioning** [FKMK16]. **Represent** [LCA10].  
**Representation** [AO12b, BNP10, BFMT16, Bra10, HN11, LFH<sup>+</sup>16, LWK11].  
**Representations** [DJA11, KMP11, MRD19]. **Representative** [ZCZL16]. **Reproducibility** [RT14].  
**Reproducible** [BGHL19, DN15].  
**Reprogramming** [DLC<sup>+</sup>13, LLZ<sup>+</sup>17].  
**RepuCoin** [YKDEV19]. **Reputation** [CWZ11, LSS13, RDE10, YKDEV19].  
**Request** [LR10]. **Requester** [CWCS15].  
**Requester-Based** [CWCS15]. **Requests** [LZZV16, LZW<sup>+</sup>15]. **Required** [KS10b].  
**Requirement** [HV13, LYS14].  
**Requirement-Aware** [HV13].  
**Requirements** [HHKW12, MAHD18, SAR<sup>+</sup>11, SZW<sup>+</sup>16].  
**Resemblance** [XJFT16]. **Reservation** [ZGWC15]. **Residue** [TC16]. **Resilience** [CCAM14, CATB19, HV13, HLWV17, MG11a, PCZB11, SMAR<sup>+</sup>19, VSC<sup>+</sup>19, ZBK<sup>+</sup>17]. **Resilient** [DKLB15, DZLP14, HK16, KDEV19, SKEB16, SVD18, YEY<sup>+</sup>16].  
**Resistance** [STE17]. **Resistant** [GV14].  
**Resistive** [MMC15]. **Resistivity** [MM17].  
**Resolution** [PMH<sup>+</sup>14, ZZ17]. **Resource** [BSM<sup>+</sup>14, BGRH15, CZP<sup>+</sup>16, CRJZ16, CZL<sup>+</sup>17, COLK18, DCK16, Fin10, FB13, GO10, HMR<sup>+</sup>17, HGW<sup>+</sup>17, HLA<sup>+</sup>17, KGP15, KPS<sup>+</sup>17, KFB<sup>+</sup>15, KL16, LC16a, LZA<sup>+</sup>16, LGF<sup>+</sup>15, MNGV16, NRG15, PB16, PAP13, PR14, SLL15, SPTC15, SXCL14, WHYS16, YHC19, YLH10].  
**Resource-Efficient** [DCK16].  
**Resource-Oriented** [YHC19].  
**Resource-Saving** [KL16]. **Resources** [ALZ16, BBB16, CFW14, CP10, FJA<sup>+</sup>17, PLP<sup>+</sup>13, RF14, SH12, WL13, YHC19].  
**Respect** [CATB19]. **Response** [BDB18, MBD<sup>+</sup>17, NRG15, WZ14, YLH10, ZHW<sup>+</sup>16]. **Response-Time** [BDB18].  
**Responses** [KN11b]. **Responsive** [BGM<sup>+</sup>13]. **Responsiveness** [YCW<sup>+</sup>19].

**Restart** [LL11, ZYL15]. **Restoration** [HRK17, YXZZ14]. **Restore** [CKD<sup>+</sup>17].  
**Restoring** [CHLL16, LHL13a, SCJ<sup>+</sup>16a, YLA10].  
**Restricted** [OWP16]. **Restriction** [AK19].  
**Result** [LK15a]. **Retention** [DSG<sup>+</sup>19, SSJ<sup>+</sup>18, WBG19, JYL<sup>+</sup>17].  
**Retention-Aware** [JYL<sup>+</sup>17]. **Retentive** [RRK11]. **Rethinking** [LLD<sup>+</sup>16, ZZL14].  
**Retrieval** [BCM10, CWTT13, LWF13].  
**Retrieval-Guaranteed** [CWTT13].  
**Reusability** [MWY<sup>+</sup>16].  
**Reusability-Aware** [MWY<sup>+</sup>16]. **Reuse** [JC11, KSN<sup>+</sup>15, OGP14]. **Reused** [COLK18]. **Reversible** [DSR15, GM12].  
**Reviewers** [Ano10a, Ano11b, Ano12b, Ano13b, Ano14b, Ano15b, Ano17b, Ano18b, Ano19b, Ano16b].  
**Reviewing** [Kor15]. **Revisited** [CKM15, CB15, MBGS10, SKC<sup>+</sup>14].  
**Revisiting** [MMTM15]. **ReviveNet** [YyHL11]. **Revocable** [SZDL14].  
**Revocation** [JCM16, LLC<sup>+</sup>15]. **Reward** [MFG16]. **Reward-Based** [MFG16].  
**Rewarding** [SPTC15]. **Rewrite** [WZ14].  
**RFID** [LLM<sup>+</sup>15, LXZ<sup>+</sup>15, MWWT13, QZL<sup>+</sup>16, SKZS13, SSKL16, SDZ15, YXWL16, ZCC<sup>+</sup>14]. **RFID-Enabled** [QZL<sup>+</sup>16]. **Right** [VIDH19]. **Ring** [BPC12, HGML11, KKY<sup>+</sup>16]. **RLWE** [GDLL18]. **RLWE-Based** [GDLL18]. **RNS** [BT16, CATB19, GLP<sup>+</sup>12, GL19, Hia17, Sou15, YFCV14]. **Road** [JGHD11].  
**ROBDD** [LCA10]. **Robin** [FJA<sup>+</sup>17].  
**Robot** [LBS15]. **Robotic** [SAR<sup>+</sup>11].  
**Robots** [LBS15]. **Robust** [BDDL18, BDBB18, DDNP11, LMB13, MVB10, MC11, NI11, ORM10, SB16, WZLX12, ZWX12].  
**Role** [XKT<sup>+</sup>15]. **Role-Based** [XKT<sup>+</sup>15].  
**ROM** [AAR19]. **ROM-Embedded** [AAR19]. **ROMs** [LLHC15]. **Roofline** [IPS17]. **Root** [ARH14, AH10, FBE<sup>+</sup>18, JLLH19, KCK16, LP13b, LN12, Rus13, VB13, WE12].

**Rooted** [SG13]. **Roots** [JKMR11]. **ROSE** [CC11]. **Rotated** [YHT<sup>+</sup>16]. **Rotation** [MM17]. **Rotations** [RS10]. **Round** [FJA<sup>+</sup>17, HV16, KMP11, MEBS17]. **Round-Off** [MEBS17]. **Round-Robin** [FJA<sup>+</sup>17]. **Round-to-Nearest** [HV16, KMP11]. **Rounded** [BHR17, DRC14, KLLM12, Lef17]. **Rounding** [CHCK12, JPG10, KS10b, PB11, TGNSC11, VMHGN18]. **Roundoff** [MRD19]. **Route** [YLY<sup>+</sup>15a]. **Routed** [KH14]. **Router** [BM13a, HHY11, HH17, KAH18a, LS10c, MKAY11, OMFH14, PSND16, YLGD19]. **Router-Tables** [HHY11, HH17]. **Routers** [JRC14, YMK<sup>+</sup>17]. **Routing** [AVS<sup>+</sup>16, BKV12, CFR<sup>+</sup>14, CHC<sup>+</sup>15, CCE<sup>+</sup>18, CBVL16, DVUS14, DSPB13, EDL<sup>+</sup>14, EG11, FMTK19, FG10, FS10, GDC<sup>+</sup>16, HCSW15, HKWC14, KCS<sup>+</sup>13, KCS14, LR13, LS13, LSHC15, LYCT10, LWY15, LZS<sup>+</sup>13, MJW<sup>+</sup>14, MFT<sup>+</sup>17, MWY<sup>+</sup>16, MMB14, RL13, RO11, RKZ16, SKEB16, SKEB18, SZS14, SKA10, TLP17, TLP18, TH11, VBR<sup>+</sup>13, WWM16, WS15, WW14, WLS18, XWH14, ZGB<sup>+</sup>15, ZHM14, ZGY14, ZBW17]. **Row** [HGCT13, LXW<sup>+</sup>19, SCJ<sup>+</sup>16b, SCJ<sup>+</sup>16a]. **Row-Access** [SCJ<sup>+</sup>16b]. **Row-Activation** [SCJ<sup>+</sup>16a]. **Rowhammer** [KCKL19]. **RPR** [CCRL19]. **RRAM** [CSW<sup>+</sup>15, LW17]. **RRNS** [TC16]. **RRR** [HGML11]. **RSA** [MLW12]. **RSS** [LTL14]. **RT** [KLLK11, KDEV19]. **RT-ByzCast** [KDEV19]. **RT-PLRU** [KLLK11]. **RTL** [ABSK15, BFP11]. **Ruining** [KKH<sup>+</sup>14]. **Rule** [HGL<sup>+</sup>15, LDP10, LP13b, MMP13, RCRK13, SWZG15, YCZ10]. **Rules** [DZLP14, LJG<sup>+</sup>19, SBH11]. **Ruling** [LKLT12]. **Run** [DKK16, DJN17, LBSK17]. **Run-Time** [DKK16]. **Running** [JSE14, VYEB18]. **Runtime** [BBI<sup>+</sup>13, DGC<sup>+</sup>15, KK10, KP15, OYP<sup>+</sup>18, RBK<sup>+</sup>12, SIB13, SPH13, WZM<sup>+</sup>16, WJY<sup>+</sup>17, ZBK<sup>+</sup>17].

**S** [MM17, MKRM11, ST18a]. **S-Box** [MKRM11]. **S-Boxes** [MM17, ST18a]. **S-Orchestrated** [SNM16]. **Safe** [FJA<sup>+</sup>17, PKC<sup>+</sup>17, SHGW15]. **Safety** [ARGT14, MTFK19, SAR<sup>+</sup>11, ST11a, YMT13]. **Safety-Critical** [ARGT14]. **SALSA** [XWL10]. **Same** [CS11a]. **Sample** [DSY<sup>+</sup>15]. **Sampled** [GCR<sup>+</sup>19, LVJ16]. **Samplers** [HKR<sup>+</sup>18]. **Samples** [CVH<sup>+</sup>13]. **Sampling** [AMR18, EF12, GPR<sup>+</sup>19, KRR<sup>+</sup>18, ZWW19, dAJM14]. **Sandboxed** [GD17]. **Sanitizer** [GBGI18]. **SAT** [JLMH10, SBP16]. **SAT-Based** [SBP16]. **Satellite** [LZS<sup>+</sup>13, SPH13]. **Satisfiability** [LCW<sup>+</sup>15, YHH<sup>+</sup>12]. **Saturated** [SMB<sup>+</sup>15]. **Save** [DHM16]. **Saving** [KL16, LK16b, LTL14, LHH14a, WLJ<sup>+</sup>16, XDZ11]. **Savings** [GBD<sup>+</sup>15]. **SCA** [PDJ<sup>+</sup>19]. **SCADFA** [PDJ<sup>+</sup>19]. **Scalability** [CCH11, ZZL14]. **Scalable** [ABSK15, AKL14, AD13, CLW<sup>+</sup>15, CW16, CWCS15, DAS14, FEM<sup>+</sup>18, GCD<sup>+</sup>11, GEN<sup>+</sup>17, JC12, JLMH10, KGV16, KAK18, LP12, LMJ14, LT15, LYS14, LCHX11, LLKA19, LJVJ18, MBS<sup>+</sup>12, PP11, RBRL15, RSN<sup>+</sup>18, SSGB19, SIVH16, SL10, ST18b, TC14, UVL<sup>+</sup>13, XP10, XYF<sup>+</sup>15, YMK<sup>+</sup>17, ZDP<sup>+</sup>15, ZLN11, Zot10]. **Scalar** [ARM15, DS14, GIW18, LJL13, MH15, NR15]. **Scale** [AISA16, BMT14, CQW<sup>+</sup>15, FFCB14, GDC<sup>+</sup>16, GV15, GY16, JKY10, LP13a, LS10a, LDB<sup>+</sup>17, LT15, LXK12, LQD<sup>+</sup>16, MYHL16, MCXZ18, SRR<sup>+</sup>16, WS15, WJM15, ZCZL16, ZWC<sup>+</sup>18]. **Scale-Out** [MYHL16]. **Scale-Up** [MYHL16]. **Scalers** [Hia17, Sou15]. **Scaling** [CLX14, DA12, FCB<sup>+</sup>19, GRL<sup>+</sup>14, JSH<sup>+</sup>17, JCK15, LKYC12, LHH14a, LHTG15, MHK15, NY15, NYHB16, NY19, OKC13, PdG13, WJL<sup>+</sup>12, YTM16, ZZS10, ZLWZ15]. **Scan** [CZP<sup>+</sup>18, CCC15, KCY18, Pom12d]. **Scan-Based** [Pom12d]. **Scanning**

[LLL11, PWW<sup>+</sup>11]. **Scenario** [XLW14]. **Scenarios** [MTFK19]. **Schedulability** [BBB16, HGW<sup>+</sup>17, LHC<sup>+</sup>14, LSSE15, Lee17, MBB<sup>+</sup>17, PP14, RHC<sup>+</sup>14, WLZ10, YYW<sup>+</sup>16]. **Scheduled** [BGRH15]. **Scheduler** [CZ14, FSPD17, KMJ<sup>+</sup>11, TB15]. **Schedules** [AO12a, LSXP14]. **Scheduling** [ACGP13, BBD<sup>+</sup>12, BMP<sup>+</sup>10, BDB18, BTW13, BPC12, CFL<sup>+</sup>18, CAbZM18, CBB19, CNJ14, CZP<sup>+</sup>16, CGL<sup>+</sup>18, CZL<sup>+</sup>17, CQ14, CLR13, DCM16, FSPD16, Fuj11, GKD<sup>+</sup>17, GGSPM18, GHK15, GCAG16, GY13, GLTC16, HRM<sup>+</sup>16, HZL<sup>+</sup>16, HKWC14, HXL11, HV13, HV14b, HZX<sup>+</sup>14, HLWV17, IGLM15, IHR<sup>+</sup>16, JJK<sup>+</sup>11, JR17, KTAvdS16, KH18, KCE<sup>+</sup>18, LRC10, LHC<sup>+</sup>14, LK16b, Lee17, LRP<sup>+</sup>18, Li12b, LTVL15, LC16a, LDL<sup>+</sup>17, LP13b, LGS<sup>+</sup>18, LMB13, LWF13, MFG16, MBD<sup>+</sup>17, MAHD18, MBGS10, NEE18, OKY<sup>+</sup>19, PM14, RHC<sup>+</sup>14, RWC18, RF14, RLX15, RC14, SZG<sup>+</sup>18, SL14b, TLZV11, TYY<sup>+</sup>16, TCK<sup>+</sup>18, TCHL18, VC10, WXS12, WBZ<sup>+</sup>15, WZK<sup>+</sup>19, XCF16, XCW<sup>+</sup>10, Yan14, YLGD19, YPB<sup>+</sup>16, YHV13, YTM16, ZGG<sup>+</sup>16, ZWLS15, ZR15b, ZWC<sup>+</sup>18, ZQZ<sup>+</sup>19, ZZ19, ZWL<sup>+</sup>19, ZQQ11, ZCYX15, ZLYS15, ZMRQ11]. **Scheme** [ARM15, AKJ<sup>+</sup>13, BS14, BS16, CMLS15, CCW<sup>+</sup>10, CSW<sup>+</sup>15, CLM<sup>+</sup>19, CWTT13, COLK18, CWCS15, GYC<sup>+</sup>16, GTRMG18, GWM<sup>+</sup>17, HS18, HCL15, HK15b, HHCH11, HLJ14, HQLX15, JPG10, KLLK11, KL16, LTL14, LCL15, LKLT12, LWY15, LLW<sup>+</sup>17, MLOL15, MRL<sup>+</sup>18, RVH<sup>+</sup>16, RSN<sup>+</sup>18, SSKL16, SRCbL<sup>+</sup>15, SWF<sup>+</sup>19, SZS14, UMN18, WLY<sup>+</sup>14, WNK16, XJFT16, XJWW13, YLY<sup>+</sup>15a, YTD<sup>+</sup>17, ZPM<sup>+</sup>15, ZFHC19, ZHGX19, CTS13]. **Schemes** [CMLRHS13, CJA<sup>+</sup>16, CKD<sup>+</sup>17, CHL17, EFGT18, HSM14, MLCH10, MBF18, MKRM10, XTF<sup>+</sup>12, YMTV14]. **Science** [MOS14, ST11a]. **Scientific** [KN11a, SDMM12, YLY15b]. **SCM** [JYL<sup>+</sup>17]. **SCPS** [SLC<sup>+</sup>15b]. **Scrambling** [LLHC15]. **Scratchpad** [EKJ<sup>+</sup>10, LGMP10, MB12a, VAN<sup>+</sup>18, vdBGLGL<sup>+</sup>16]. **SD3** [KLKL13]. **SDR** [DMA<sup>+</sup>15]. **SDRAM** [EE17, GCAG16]. **Seamless** [SMN<sup>+</sup>17]. **Search** [CLS10, CYJ<sup>+</sup>10, CSW<sup>+</sup>15, FEM<sup>+</sup>18, HH17, HWG<sup>+</sup>14, JSC10, LCL15, LWL<sup>+</sup>16, LCW<sup>+</sup>15, LMT13, SLC<sup>+</sup>15b, XJWW13, ZLX<sup>+</sup>16]. **Searchable** [CLW16b]. **Searching** [CTL<sup>+</sup>17, LXZ<sup>+</sup>15, PWW<sup>+</sup>11]. **Second** [DP13, VSLD15, YCW11, YLP15]. **Second-Level** [VSLD15]. **Second-Order** [DP13, YCW11, YLP15]. **Secret** [HL10a, LCCJ13, LLKA19, WKB16]. **Section** [Ano10c, Ano11e, AHI12, AISA16, BKPMC13, BMM11, BS10, BKP16, BCS11, BdD19, CHTD19, DPO17, EM12, GM11, MG11a, MOS14, NST14, SLPB18, ST11a, XL16, ZMS13, Avr13]. **Secure** [AP14, CSS13, CXYC16, CYHL14, GV14, HSM14, JAS<sup>+</sup>15, KW14, KYZC19, KH10, LCH<sup>+</sup>15, LLXC16, LRY<sup>+</sup>15, MW10, NBZP17, NDG<sup>+</sup>17, PSM17, QZL<sup>+</sup>16, SSKL16, SLPB18, SZDL14, TLH<sup>+</sup>16, WCW<sup>+</sup>13, WZBB15, WKB16, WRW16, XJWW13]. **Securing** [CMLS15, OGP14, SWF<sup>+</sup>19]. **Security** [ASBdS16, Ano10g, BQP<sup>+</sup>16, BBA19, CTL<sup>+</sup>17, DY14, GSF<sup>+</sup>10, HMZ<sup>+</sup>14, HLT<sup>+</sup>15, JSA17, LKH16, LCwW10, LLS<sup>+</sup>16, NDG<sup>+</sup>17, SMCN18, TLZV11, WCL<sup>+</sup>18, ZL18]. **Security-Driven** [TLZV11]. **SEDUM** [LS13]. **SEED** [GLXY13]. **Segment** [CLS10, DDNT19]. **Segmented** [KCL19, TYY<sup>+</sup>16]. **Select** [KT19]. **Selecting** [ZL15]. **Selection** [AT16, AHNT16, CHCK12, CCP<sup>+</sup>13, DZLP14, EFPC16, KwPK<sup>+</sup>15, KAH19, LWW11, RBR13, RXC<sup>+</sup>15, Rus13, SEY14, THM<sup>+</sup>14, TCYH15, YFJ<sup>+</sup>14, YFCV14]. **Selections** [DCCK18]. **Selective** [ADC11, JSA17, KRP18, LOH17, MTGM12, OYP<sup>+</sup>18, QQW<sup>+</sup>17, SNM16].

**Selective-Testing** [SNM16]. **Self** [ADC11, BCSR14, BCD<sup>+</sup>16, CCV<sup>+</sup>11, CWL<sup>+</sup>17, CRJZ16, DYHX16, DPS11, DKK16, FFCB14, GVPS19, GEvS10, HZ11, HMC11, LLW<sup>+</sup>17, PRGBSAC19, RO11, RSU17, SOM<sup>+</sup>13, SRCK10, TW10, YyHL11, YZ15, ZNL18, ZZ17]. **Self-Adaptive** [DYHX16, FFCB14, YyHL11, YZ15]. **Self-Aware** [GVPS19]. **Self-Checking** [HMC11]. **Self-Diagnosis** [TW10]. **Self-Healing** [CWL<sup>+</sup>17]. **Self-Invalidations** [ADC11]. **Self-Loading** [SRCK10]. **Self-Organized** [DKK16]. **Self-Organizing** [GEvS10]. **Self-Reconfigurable** [SOM<sup>+</sup>13]. **Self-Reconfiguring** [ZNL18]. **Self-Reference** [ZZ17]. **Self-Repair** [LLW<sup>+</sup>17]. **Self-Repairing** [RSU17, TW10]. **Self-Routing** [RO11]. **Self-Sustainable** [CRJZ16]. **Self-Synchronized** [PRGBSAC19]. **Self-Synchronizing** [HZ11]. **Self-Test** [BCSR14, BCD<sup>+</sup>16, CCV<sup>+</sup>11, DPS11]. **Semantic** [CJ12, CH14, HLJ14]. **Semantic-Aware** [HLJ14]. **Semi** [WF12, ZQZ<sup>+</sup>19, KMC17]. **Semi-Clairvoyant** [ZQZ<sup>+</sup>19]. **Semi-PARTitioned** [KMC17]. **Semi-Systolic** [WF12]. **Sense** [Zhe10]. **SENSIBLE** [GEN<sup>+</sup>17]. **Sensing** [FLJ14, JGG<sup>+</sup>14, KCW<sup>+</sup>17, LCHC14, LZZV16, WAK<sup>+</sup>17]. **Sensitive** [DY12, HXVF12, KS14, QZC15, QGPZ13, YCCJ15]. **Sensitivity** [EGVFC<sup>+</sup>12]. **Sensitization** [SBP16]. **SenSmart** [CGL<sup>+</sup>13]. **Sensor** [AO11, AO12a, AEKT15, ASTU10, AD10, AD12, Amm14, BWCW15, BWV15, CJG16, CLR13, CSJ<sup>+</sup>11, CGL<sup>+</sup>13, CCD12, CBTU14, CBVL16, DY12, DCL<sup>+</sup>11, DLL<sup>+</sup>12, FS10, GDC<sup>+</sup>16, GHG<sup>+</sup>14, GLTC16, HXVQ15, HKWC14, HWX15, JGHD11, KKT15, KLT16, KH10, LRC10, LR13, LY11, LWW11, LLZ<sup>+</sup>17, LSX13, LCHC14, LKLT12, LCT11, LZYL13, LJY<sup>+</sup>15, MM16, MB12b, MMH14, MMB14, PP10, RGK15, RCN11, RLX15, RS13, RNS13, SBH11, SPC<sup>+</sup>16, SCK10, VBR<sup>+</sup>13, WJL<sup>+</sup>14, WLYY16, WS15, XCW<sup>+</sup>10, YKK<sup>+</sup>15, YASS14, ZLG<sup>+</sup>15, ZMY11, ZY12, ZWD<sup>+</sup>16, ZLYS15, dAJM14, GEN<sup>+</sup>17]. **Sensor/Actor** [ASTU10]. **Sensors** [WCLY16, YLA10]. **SenSpire** [DCL<sup>+</sup>11]. **Separable** [SKM<sup>+</sup>13]. **Sequence** [BCMJ10, LBS15, MGW14, SKPK10, YMAG17, YLH13]. **Sequences** [Jes15, MG16, Pom15c, Pom15b, SN16]. **Sequential** [LHL13a, MVB10, Pip11]. **SER** [HCY18]. **Serial** [ARM16, CLL<sup>+</sup>14, FBE<sup>+</sup>18, RM15b]. **Serial-Out** [ARM16]. **Series** [DGC<sup>+</sup>15, ZLY15, Ano10g]. **Serpent** [PC16]. **Server** [BSM<sup>+</sup>14, CLS14, DSY<sup>+</sup>15, GY15a, GY15b, LZ15, MBM11, PBL16, THM<sup>+</sup>14, XLF15, ZT15]. **Servers** [ABEP16, GCL<sup>+</sup>13, HWS<sup>+</sup>17, JJK<sup>+</sup>11, LW15, SYK14]. **Service** [AK15, CCC<sup>+</sup>17, DKW15, DHC<sup>+</sup>16, EFPC16, LHH14a, LHY13, MLOL15, ML13, NZLK14, PAC<sup>+</sup>12, RSNK17, SKPC15, TJH<sup>+</sup>15, WYL<sup>+</sup>15, YZHX12, YCLH16, ZCL<sup>+</sup>16, ZWC<sup>+</sup>18, ZL15]. **Service-Level** [CCC<sup>+</sup>17]. **Service-Oriented** [ZL15]. **Services** [CCM14, CLX14, LLCH13, LZW<sup>+</sup>15, SLL15, YXZZ14]. **Set** [CYJ<sup>+</sup>10, DAS14, DPS11, EJ15, Hia17, HGW<sup>+</sup>17, LCA10, LSA<sup>+</sup>17, LPCW14, NM10, RS17, SMG14, SJS10, YCZ10]. **Set-Associative** [DPS11]. **Set-Up** [SMG14]. **Sets** [CL12, EF12, GL19, Hia16, HT16, MIS<sup>+</sup>14, NI11, Pom16b, Sou15, Ano11g, Ano11h]. **SEU** [WNKL16]. **SEU/MBU** [WNKL16]. **Shadow** [TZL<sup>+</sup>14]. **Shamir** [WKB16]. **Shared** [BZ15, BBB16, CFL<sup>+</sup>18, DMK<sup>+</sup>15, JCM16, KIJ14, PPND17, VMB19, YHC19, ZJS14, ZL16, ZLSI17]. **Shared-Memory** [DMK<sup>+</sup>15]. **Sharer** [ST17]. **Sharing** [AKKH12, BGRH15, CS15, CLW16b, HL10a, HLT<sup>+</sup>15, KSEG15, LCCJ13, LSW15,

LLKA19, NH10, PSM17, Pom14, SLLG15, SLC15a, SPTC15, SHH<sup>+</sup>16, WKB16, YY10, YY14]. **Shave** [ZMW15]. **Shell** [XHZC16]. **Sherlock** [ADJG19]. **Shield** [NDG<sup>+</sup>17, KGV16]. **Shift** [MFT<sup>+</sup>17]. **Shifted** [HF15]. **Shifting** [MCM16]. **Shingled** [WFY<sup>+</sup>17]. **Shoot** [YXWL16]. **Short** [BEHL<sup>+</sup>19, FSL<sup>+</sup>17, LAAM11, WQZ<sup>+</sup>16, ZZJ<sup>+</sup>19]. **Short-Read** [BEHL<sup>+</sup>19]. **Shortest** [Fen14, FK15, SKA10]. **ShortPath** [PSND16]. **Shuffling** [YWQX15]. **Shuttle** [cCWS14]. **SIC** [VK15]. **Sick** [YSL16]. **Side** [Bar16, BMZ17, BK12, CSS13, CATB19, DP13, KASZ13, LJL13, MAG<sup>+</sup>17, NDC<sup>+</sup>13, RBG<sup>+</sup>19, STE17, ZMB18]. **Side-Channel** [Bar16, BK12, CSS13, CATB19, KASZ13, LJL13, NDC<sup>+</sup>13, ZMB18]. **Sided** [TYY<sup>+</sup>16]. **Sidewalk** [PPB<sup>+</sup>14]. **Sieve** [GKB<sup>+</sup>10]. **SIFT** [OPAGS14]. **Sig** [QGPZ13]. **Sign** [Hia16]. **Signal** [BBB<sup>+</sup>17, CK15, GDLL18, LVJ16, MTGM12, Pom13b]. **Signal-Transition** [Pom13b]. **Signals** [LVJ16]. **Signature** [EFGT18, KSN<sup>+</sup>15, TXL11]. **Signature-Based** [KSN<sup>+</sup>15]. **Signatures** [AS16, GLP15, OWP16, QGPZ13, YCK10]. **Signed** [Kor15, SJS<sup>+</sup>14, TAM<sup>+</sup>16]. **Signed-Digit** [Kor15, SJS<sup>+</sup>14, TAM<sup>+</sup>16]. **Silent** [LS10b]. **Silicon** [BKH<sup>+</sup>13, COLK18, DN11, EKA17, HMR<sup>+</sup>17, NZ14, NL14, OHCK17, OCK17, PKC<sup>+</sup>17, WTZ<sup>+</sup>19, YSLL16, khR<sup>+</sup>18, KN12]. **Silver** [Ano10g]. **SIMD** [HMS<sup>+</sup>12, NVB16, YMG15]. **SIMD/MIMD** [NVB16]. **Similarity** [ADJG19, HLF14, PR10, XJFH15]. **Similarity-Aware** [HLF14]. **SIMON** [LYK19, STE17]. **Simple** [Fen14, LVMS18, SD18, TLH<sup>+</sup>16]. **Simulation** [ADP<sup>+</sup>15, ASS<sup>+</sup>18, BPT10, FHL<sup>+</sup>18, GM15, GCR<sup>+</sup>19, GABK11, JCY<sup>+</sup>13, LR16, LZZ16, MNFA14, MHRARG<sup>+</sup>14, NZ15, Tho15, WL<sup>+</sup>14, WZLS16, YEG<sup>+</sup>15, ZGR13]. **Simulation-Based** [GABK11]. **Simulations** [KN13]. **Simulator** [KAH18a]. **Simultaneous** [GSL10, KCRG15, LR18, YG10]. **Single** [ARM13, BPT10, ERRM16, GGSPM18, KP15, KMM16, LP17, LCA10, MFG14, MBGS10, NL16b, NL18, PROM15, SBB18, SMRML17, SBI12, TKL<sup>+</sup>14, WNKL16, XLX<sup>+</sup>14, ZGR13, ZXX<sup>+</sup>14]. **Single-Chip** [BPT10]. **Single-ISA** [GGSPM18]. **Single-Pass** [ZGR13]. **Single-Qubit** [KMM16]. **Single-Rate** [MBGS10]. **Single-Sink** [SBI12]. **Sink** [Amm14, CJG16, LSX13, SBI12]. **Sink-Free** [CJG16]. **Sink-Hole** [Amm14]. **SinkTrail** [LZYL13]. **SiPs** [TMS<sup>+</sup>14]. **SISO** [NCD<sup>+</sup>17]. **Situ** [NY15]. **Six** [AFC10]. **Size** [BLN<sup>+</sup>15, CS11a, CJ13, DAS14, DCM16, FLS16, Kim15, KLC<sup>+</sup>16, LCLL15, LFJ<sup>+</sup>13]. **Size-Aware** [BLN<sup>+</sup>15]. **Size-Based** [DCM16, LFJ<sup>+</sup>13]. **Sized** [CLM<sup>+</sup>19]. **Sizes** [DALD18]. **Sizing** [MBGS10, VTW16]. **Skeleton** [LJY<sup>+</sup>15]. **Skew** [LZA<sup>+</sup>16, NLRB17]. **Skewed** [Pom12c]. **Skewed-Load** [Pom12c]. **SLA** [KGP15]. **SLC** [CCC<sup>+</sup>17]. **Sleep** [AO12a, CFL<sup>+</sup>18, HKWC14, ZLYS15]. **Sleep-Aware** [CFL<sup>+</sup>18]. **Sleep-Wake** [HKWC14]. **Slice** [SLS<sup>+</sup>12, Zot10]. **Slicing** [ABSK15]. **Sliding** [JRS<sup>+</sup>15, LPL10]. **sLiSCP** [ARH<sup>+</sup>18]. **Slot** [MWLJ15, RLX15]. **Small** [AO12b, BDE<sup>+</sup>11, CFR<sup>+</sup>14, CJ13, IS14, Kim15, KCK16, LK15b, LCLL15, NR15, UdDG<sup>+</sup>17, VTA16, WGZ<sup>+</sup>15]. **Small-Characteristic** [BDE<sup>+</sup>11]. **Small-Value** [IS14]. **Smart** [DYCG16, EFPC16, GY16, HK17, HDYS16, LVF19, SWZG15, WZY16, XLC14, LDMQ16, WHBR16]. **Smartphones** [LTL14, OPZ15]. **SMR** [WFY<sup>+</sup>17, YCW<sup>+</sup>19]. **SMT**



[FSPD16, FSPD17, MBC<sup>+</sup>13, OPAGS14]. **Snakes** [PC16]. **Snapshots** [YCL<sup>+</sup>12]. **SNM** [GBA18a]. **Snoop** [AKKH12]. **Snooping** [AKKH12]. **SNOW** [PC16]. **SoC** [BBA19, CFR<sup>+</sup>14, LYH11, VTA16, WZBB15]. **Social** [JWL<sup>+</sup>16, LCL15, LSS13, LS13, LSW15, PLZW14, SL14a, SLLG15, SLC<sup>+</sup>15b, TZL<sup>+</sup>14, WHC<sup>+</sup>15b, WW14, XWH14, ZZX<sup>+</sup>15]. **Social-Aware** [SLC<sup>+</sup>15b]. **Society** [Ano10d, Ano10e, Ano10b]. **Socket** [CG18, LHH17]. **SOCs** [IGLM15, RC14]. **Soft** [AF14, AS12, DZLP14, EGVFC<sup>+</sup>12, HBR11, KS12, NEE18, RURM18, RTRM19, RCN11, RBMO11, SB16, SMAR<sup>+</sup>19, SVD18, UVG16, VSC<sup>+</sup>19, XH16, YAGB17, dOPSR16]. **Soft-Errors** [UVG16]. **Soft-Processors** [RURM18]. **Soft-Real-Time** [AF14]. **Softcore** [PPP13]. **Software** [AVG<sup>+</sup>15, ADC11, AH13, BDL<sup>+</sup>13, CSS13, DPS11, FHLOJRH18, GBO<sup>+</sup>16, HPR16, HWG<sup>+</sup>14, HL10b, HGL<sup>+</sup>15, JSC10, KKP<sup>+</sup>16, KASZ13, LK10, LH16, LSHC15, MRL<sup>+</sup>18, MMAC19, MF14, RCK<sup>+</sup>16, SNM16, TS11, WGW<sup>+</sup>15, WLJ<sup>+</sup>16, WHYS16, WFT<sup>+</sup>19, XHZ14, YLGE14, ZPM<sup>+</sup>15, ZLG<sup>+</sup>15, ZGG<sup>+</sup>16]. **Software-Based** [ADC11, DPS11, SNM16, YLGE14]. **Software-Defined** [ZLG<sup>+</sup>15, ZGG<sup>+</sup>16]. **Software-Driven** [TS11]. **Software-Transparent** [WFT<sup>+</sup>19]. **Solid** [Cha10b, CLZ19, DSW<sup>+</sup>14, JR17, Jun16, KLK18, KBH<sup>+</sup>10, KSJ<sup>+</sup>12, LRP16, MLE14, PDXZ13, SNY<sup>+</sup>10, TAH<sup>+</sup>16]. **Solid-State** [Cha10b, CLZ19, DSW<sup>+</sup>14, KBH<sup>+</sup>10, PDXZ13, SNY<sup>+</sup>10, TAH<sup>+</sup>16]. **Solomon** [PROM15, TW10]. **Solution** [CCE<sup>+</sup>18, CXLX15, GSH<sup>+</sup>14, NZ15, RBRL15, SKPC15]. **Solutions** [CCO<sup>+</sup>14, PLM16]. **Solve** [MTFK19]. **Solvers** [DALD18]. **Solving** [DALD18, Fuj11, GO10]. **Some** [JLMP11]. **Somewhat** [MBF18, RJV<sup>+</sup>18]. **Sophisticated** [BPBBL13]. **Sorting** [FFISC13, LNCX18, LCL17, LBSK17]. **SOSEMANUK** [PC16]. **Sound** [AGCD16]. **Source** [ADJG19, CJ12]. **Source-Code** [CJ12]. **SPAC** [Pan16]. **Space** [BNP10, BKL<sup>+</sup>13, BCMJ10, BBH12, CHN14, CCY<sup>+</sup>16, CYC<sup>+</sup>16, DYW15, DJO11, Fen14, HN11, HMNN12, HK17, JAD<sup>+</sup>18, KH18, LWF<sup>+</sup>17, Nan16, PCHS17, PCHS18, SN16, XDZ11, ZMY11, KMC17]. **Space-Division** [ZMY11]. **Space-Efficient** [BBH12, LWF<sup>+</sup>17]. **Space-Time** [DYW15]. **Spaces** [LTW<sup>+</sup>12]. **SPaCS** [ZGR13]. **Spam** [SL14a, ZL11]. **Spanning** [FEP<sup>+</sup>12, SBI12, TYWC10, WTY<sup>+</sup>14]. **SparCE** [SJVR19]. **Spare** [AGFM11, SC11, AAR19]. **Spare-Enhanced** [SC11]. **Spark** [CZL<sup>+</sup>17]. **Sparse** [JSC<sup>+</sup>19, LPL<sup>+</sup>13, LJG<sup>+</sup>19, MRD19, NZ15, PP16, RO11]. **Sparse-Insertion** [JSC<sup>+</sup>19]. **Sparse-Iteration** [PP16]. **Sparsity** [LYL<sup>+</sup>19, SJVR19]. **Spatial** [DNSS11, KGGJ14, MWY<sup>+</sup>16, SSW12, XHZC16, ZCL<sup>+</sup>16]. **Spatio** [CSPC12, DYCG16]. **Spatio-Temporal** [CSPC12, DYCG16]. **Spatiotemporal** [Cro14]. **Special** [Ano10c, Ano11e, AHI12, AISA16, Avr13, BKPMC13, BMM11, BS10, BKP16, BCS11, BdD19, CHTD19, DPO17, EM12, GC14, GM11, HMO<sup>+</sup>17, LLK18, MG11a, MOS14, NST14, SLPB18, ST11a, VP14, XL16, ZMS13]. **Specially** [LS10a]. **Specific** [AK15, CKKS14, JRC14, LSA<sup>+</sup>17, MGW14, SP16]. **Specifications** [MIS<sup>+</sup>14]. **Specified** [YXWL16]. **SPECT** [KN13]. **Spectral** [YCW11, YLP15, ZMB18]. **Spectral-Null** [YCW11, YLP15]. **Spectrum** [BBVL14, NH10, XWL10, XLTZ11]. **Speculation** [KGGJ14]. **Speculative** [GLXY13, LR18, STR15, XLC14, YLGE14]. **Speculatively** [Bra10]. **Speech** [AWFV13, TBC<sup>+</sup>17, YAG19]. **Speed** [ARM16, Ano13f, CCH<sup>+</sup>15a, GJ15, GY13,

GCF<sup>+16</sup>, HK13a, HZ11, NWA12, PBT13, TFCY16, ZL11]. **Speed-Up** [GCF<sup>+16</sup>]. **Speeding** [WGR<sup>+14</sup>]. **Speedup** [ZYL15]. **Spike** [ZM17]. **Spike-Timing-Dependent** [ZM17]. **Spiking** [AAR19]. **Spin** [CWCS15]. **SpiNNaker** [BFR<sup>+15</sup>, FLP<sup>+13</sup>]. **SpiNNaker-Programming** [BFR<sup>+15</sup>]. **Spintronic** [BDDL18, ZCZ<sup>+19</sup>]. **Split** [CNH13, DMA<sup>+15</sup>]. **Splitting** [HN13, PCHS16]. **SpMV** [YLML15]. **SPONGENT** [BKL<sup>+13</sup>]. **Sporadic** [MFG14]. **Spot** [JT15]. **Square** [ARH14, DRM16, FBE<sup>+18</sup>, GPN11, JKMR11, JLLH19, LP13b, LN12, NL15a, Rus13, WE12]. **Squashing** [YLGE14]. **Squeeze** [CSW<sup>+15</sup>]. **Squeeze-Search** [CSW<sup>+15</sup>]. **SqueezeFlow** [LJG<sup>+19</sup>]. **Squeezing** [FSGAB<sup>+16</sup>]. **SRAM** [AKL14, BMS11, CW16, EKA17, GBA18a, GTRMG18, KL13, RTRM19, SKH16, SBMP18, VPS<sup>+12</sup>, WWY<sup>+16</sup>]. **SRAM-Based** [AKL14, BMS11, EKA17, GBA18a, GTRMG18, KL13, RTRM19, SBMP18]. **SRAMs** [LCY<sup>+13</sup>]. **SRT** [Rus13]. **SSD** [CDQB15, CLCS19, HWS<sup>+17</sup>, HLY14, HCL15, IS11, KLC<sup>+16</sup>, KWC<sup>+16</sup>, KRP18, LBSK17, LLL16, WZ14]. **SSD-Based** [CLCS19]. **SSDs** [CLZ19, CCC<sup>+17</sup>, HJF<sup>+13</sup>, JSH<sup>+17</sup>, KSJ<sup>+12</sup>, LK16a, LCY<sup>+16</sup>, LSG<sup>+15</sup>, LSGZ16, SQJ<sup>+15</sup>, ZWW19]. **ST** [YCL<sup>+12</sup>]. **ST-CDP** [YCL<sup>+12</sup>]. **Stability** [AKKH12, BIP<sup>+17</sup>, Yam10]. **Stability-Optimized** [Yam10]. **Stabilizer** [GM15]. **Stabilizing** [KkC15a, SKA10]. **STABLE** [GBA18a]. **Stack** [CGL<sup>+13</sup>]. **Stacked** [KAH<sup>+15</sup>, MKLW14, SPC<sup>+18</sup>, XCF16, ZDYZ13, ZDYZ14]. **Stackless** [MS15]. **Stage** [KGP15, PLZW14, SVAB14, TS11, ZWL<sup>+19</sup>]. **Stage-Level** [KGP15]. **Staged** [KTAvdS16]. **StageNet** [GFAM11]. **StaleLearn** [LK18]. **Standard** [Red19, MKRM10]. **Standby** [LXJD15, LXDV17]. **Star** [CL12, ZLXW15, ZGWC15]. **Start** [LVMS18]. **State** [AWFV13, Cha10b, CLZ19, DSW<sup>+14</sup>, FHR14, Hie11, Hie13, HT16, JR17, Jun16, KLK18, KBH<sup>+10</sup>, KSJ<sup>+12</sup>, LRP16, LLQ<sup>+14</sup>, LLK18, Lom10, MTGM12, MLE14, MCXZ18, Mon15b, Mon16, MMC<sup>+16</sup>, Mon17, Mon18, Mon19, OPZ15, PDXZ13, PBV11, RRK11, SNY<sup>+10</sup>, SP10, TAH<sup>+16</sup>, Yun12, Zom11b, Zom11a, Zom12b, Zom12c, Zom13, Zom15a]. **State-Retentive** [RRK11]. **Stateless** [XWY10]. **States** [Pom15a, PRM19]. **Static** [ABSK15, CHK10, CTD<sup>+16</sup>, LWY15, LS10c, NM10, Pom12d, Pom15c, RBG14, TCK<sup>+18</sup>]. **Statically** [GLXY13]. **Statistical** [CGT<sup>+15</sup>, CTL<sup>+17</sup>, CRK10, HZ11, RCM<sup>+16</sup>, SIB13, SDP<sup>+12</sup>, SZL<sup>+16</sup>, ZL11]. **Statistics** [WLG<sup>+19</sup>]. **Status** [XWL<sup>+16b</sup>]. **Stay** [Ano11i]. **Stealing** [CG18]. **Steiner** [LHPH15, LSZ<sup>+15</sup>, SG12, SG13]. **STEM** [TCHL18]. **Stengle** [MRD19]. **Step** [RLRL19, LXZ<sup>+15</sup>]. **Stereo** [PTD<sup>+12</sup>, TKT16]. **STES** [CMLS15]. **Stochastic** [BPT10, CBZ14, Dar15, GO10, HXVQ15, HCL<sup>+14</sup>, LB15a, LLQ<sup>+14</sup>, LTVL15, LZZV16, LLW<sup>+18</sup>, NLRB17, QLR<sup>+11</sup>, YMT13, ZGB<sup>+15</sup>]. **Stojmenovic** [Zom15b]. **Stop** [HCC<sup>+18</sup>]. **Storage** [ASM<sup>+16</sup>, AT16, AISA16, BDP15, CK11, CHH<sup>+13</sup>, CHLT14, CQW<sup>+15</sup>, CXYC16, CYC11, CYL<sup>+14</sup>, CLW16b, EFPC16, FYSK14, FHL<sup>+18</sup>, GKD<sup>+17</sup>, GWM<sup>+17</sup>, HSM14, HCD<sup>+16</sup>, HQLX15, HLC<sup>+19</sup>, JJZ<sup>+16</sup>, JRP<sup>+14</sup>, LBSK17, LSK13, LK14, LS10a, LOX<sup>+13</sup>, LLL15, LSG<sup>+18</sup>, LRY<sup>+15</sup>, LLS<sup>+16</sup>, MJWT16, NL16b, PP11, PPKW12, ROGHNB<sup>+18</sup>, SWZG11, SZG<sup>+18</sup>, SYH17, SZW<sup>+16</sup>, SYK14, TRA18, TCYH15, WL13, WCW<sup>+13</sup>, WLK15, WHL17, WJF<sup>+11</sup>, WSXZ13, WJM15, XL16, XDZ11, XLX<sup>+14</sup>, YCKH16, YTD<sup>+17</sup>, YTD<sup>+18</sup>, YHT<sup>+16</sup>, ZWW<sup>+16</sup>, ZFJ<sup>+17</sup>, ZWC<sup>+18</sup>, ZMW15, ZXX<sup>+14</sup>, ZLLX15]. **Storage-Based** [LOX<sup>+13</sup>]. **Storages** [CCY<sup>+16</sup>]. **Store**

[LK15a]. **Stored** [CMLS15, JPG10, UMN18]. **Stores** [ZHGX19]. **Storing** [YLY15b]. **Strategies** [BBI<sup>+</sup>13, CTL<sup>+</sup>17, CBTU14, MW13, TLB<sup>+</sup>17, ZV14]. **Strategy** [CK11, CCL<sup>+</sup>18, JLC10, MMCS18, XLC14, YZ15, ZL15, ZGWC15]. **Strategy-Proof** [ZGWC15]. **Strategyproof** [XWL10, XLTZ11]. **Stream** [CMLS15, GZG<sup>+</sup>16, GCS<sup>+</sup>13, HZ11, KE19, LTP<sup>+</sup>14]. **StreamCiphers** [ERRMG15]. **Streaming** [CPL17, CLMM11, KTAvdS16, LOH17, LHH14a, LLLJ13, MLH12, PAC<sup>+</sup>12, RBRL15, SHGW15, WLQS13, YW12]. **Streams** [Ged14, LLQ<sup>+</sup>14]. **Stress** [GBA18a]. **Stress-Aware** [GBA18a]. **String** [ASM<sup>+</sup>16, GNSR14, LP13a, PWW<sup>+</sup>11, ZS13]. **Stripe** [FSL<sup>+</sup>17, KLC<sup>+</sup>16]. **Strong** [HTC13, WHL17, ZGW14]. **Strongly** [KW14]. **Structural** [BWCW15, GLTC16, TLL12]. **Structure** [AKJ<sup>+</sup>13, CZP<sup>+</sup>16, HHY11, JP13, KS10a, MKRM10, PPKW12, SJD<sup>+</sup>18, XHZC16, YWW<sup>+</sup>16, ZZ17]. **Structure-Aware** [CZP<sup>+</sup>16]. **Structure-Independent** [MKRM10]. **Structured** [CYC11, MLE14, SL13, SLC15a, WJF<sup>+</sup>11]. **Structures** [ALW11, FLS16, GCL<sup>+</sup>13, LHYZ13, PWTS16]. **STT** [AYC16, CKD<sup>+</sup>17, CFMA19, FKMK16, GBGI18, KCW<sup>+</sup>17, KA19, LHL<sup>+</sup>15a, YLGD19, ZOK<sup>+</sup>19]. **STT-MRAM** [CFMA19, GBGI18, KCW<sup>+</sup>17, ZOK<sup>+</sup>19]. **STT-RAM** [AYC16, CKD<sup>+</sup>17, FKMK16, KA19, LHL<sup>+</sup>15a]. **Stuck** [MMC15]. **Stuck-At** [MMC15]. **Studies** [WHC<sup>+</sup>15b]. **Study** [AE11, AD10, AR17, CTS13, CCLH10, GLP<sup>+</sup>12, GM12, HHC<sup>+</sup>18, SD14, VIDH19, WRW16]. **Stuffing** [CCH<sup>+</sup>15a]. **Sub** [BBPQ15, GD17]. **Sub-Networks** [GD17]. **Subarea** [XLW14]. **Subbanking** [LGMP10]. **Subclass** [WHL<sup>+</sup>12]. **Subcodes** [Red11]. **Sublinear** [DJJ<sup>+</sup>08, Lee12]. **Submicron** [SSJ<sup>+</sup>18]. **Submillisecond** [HGML11]. **Subnetworks** [LY11]. **Suboptimal** [TLP18]. **Subpage** [KLK18]. **Subpage-Aware** [KLK18]. **Subquadratic** [BNP10, CHN14, CLL<sup>+</sup>14, HF15, HMNN12, PCHS17, PCHS18, RM15b]. **Subscribe** [BS15]. **Subsequences** [Pom12a]. **Subset** [BS14, BS16]. **Subspace** [AKKH12, PZZQ19]. **Substitution** [CJK15]. **Substitution-Permutation** [CJK15]. **Substrate** [WTBT13]. **Subsystem** [CVPS19]. **Subthreshold** [LCY<sup>+</sup>13]. **Subtraces** [USP<sup>+</sup>13]. **Subtraction** [KBP13]. **Succinct** [EG11]. **Suffering** [ZHM<sup>+</sup>19]. **Suffix** [LNCX18, NZC11, WNCH17]. **Suitable** [JL11]. **Summation** [BGHL19, DN15, Lef17]. **Sums** [BCTV19, BHR17, KLLM12]. **Supercomputer** [CTD<sup>+</sup>16, LLL<sup>+</sup>17]. **Supercomputing** [YWXZ12]. **Superior** [ST17]. **Superpeer** [GEvS10]. **Superpoly** [HIJ<sup>+</sup>19]. **Supersingular** [BDE<sup>+</sup>11, FHLOJRH18, LNL<sup>+</sup>19]. **Supervised** [FCB<sup>+</sup>19]. **Supplies** [LLLJ13]. **Supply** [DYW15, DMXY14, GSK12, PdG13, QZL<sup>+</sup>16]. **Support** [CCO<sup>+</sup>14, CLM<sup>+</sup>19, DMK<sup>+</sup>15, FGS<sup>+</sup>13, GSG<sup>+</sup>15, HMS<sup>+</sup>12, KLK<sup>+</sup>14, KT12, LKYC12, LKH16, LSG<sup>+</sup>15, MJW<sup>+</sup>14, MWWT13, MW10, MRW<sup>+</sup>15, RKN<sup>+</sup>18, SAR<sup>+</sup>11, SBP<sup>+</sup>14, WLZ<sup>+</sup>15, WGW<sup>+</sup>15, WJY<sup>+</sup>17, ZYW<sup>+</sup>16, ZCK19]. **Supported** [LCL15, ZGG<sup>+</sup>16]. **Supporting** [CT13, KPBC17, LXW<sup>+</sup>19, LSGZ16, SMG14]. **Supports** [KH18]. **Survivable** [Ano13g, GSG<sup>+</sup>15]. **Sustainability** [CFW14, MOS14]. **Sustainable** [CCO<sup>+</sup>14, CRJZ16, MOS14]. **SVM** [JAS<sup>+</sup>15]. **SW** [MH19]. **Swapper** [ZLSI17]. **Swapping** [GCF<sup>+</sup>16, LZZ<sup>+</sup>17b]. **Swarm** [SLC15a]. **Swarms** [WAK<sup>+</sup>17]. **Switch** [DKG13, KKH<sup>+</sup>14, SRR<sup>+</sup>16]. **Switched** [CWF14, LKMSA16]. **Switches** [ACGP13, AHK10, BGMR13, DKG13, GY13, JPLP13, MOYB12, ZWLS15].

**Switching** [AR12, CCH<sup>+15a</sup>, GSK12, Pom12d, Pom13a, SLS<sup>+12</sup>, SO10, Tho15].

**Sword** [WHC<sup>+15b</sup>]. **Symbol** [MCM16, NL16b, PROM15]. **Symbolic** [BMZ17, NS13, PNKI13, ZJH<sup>+14</sup>].

**Symmetric** [HC13b, MM17, ZWYY15].

**SymPLFIED** [PNKI13]. **Synchronization** [BBB<sup>+17</sup>, HWZ<sup>+12</sup>, KLJ<sup>+14</sup>, LK18, TFCY16, WZLS16, ZJXL11].

**Synchronization-Aware** [HWZ<sup>+12</sup>].

**Synchronization-Based** [BBB<sup>+17</sup>].

**Synchronized** [PRGBSAC19].

**Synchronizer** [Zot10]. **Synchronizing** [HZ11]. **Synchronous** [LYL<sup>+19</sup>].

**Syndrome** [Red14]. **Synergistic** [Pan16].

**Synergizing** [LHH14b]. **Synergy** [LHTG15]. **Synthesis** [AR12, BM13b, CBZ14, DYJ19, DSR15, FSR<sup>+18</sup>, GAFN15, GM12, IB10, JWC12, JRC14, KK18, LH11, MY10, MIS<sup>+14</sup>].

**Synthesizer** [DSKH15]. **Synthesizing** [RBIQ15]. **Synthetic** [GJ14]. **SyRA** [VSC<sup>+19</sup>]. **System** [ADI11, ASM<sup>+16</sup>, AHNT16, AE11, Ano11f, AC11, BKH<sup>+13</sup>, BS15, BBP<sup>+13</sup>, BJ12, BS10, BM13b, BSM<sup>+14</sup>, CMS10, CXZ13, CCO<sup>+14</sup>, CWZ11, CHLT14, CCC<sup>+18</sup>, CLCS19, CH14, DKH<sup>+13</sup>, DSB13, DFP<sup>+13</sup>, DALD18, DCL<sup>+11</sup>, FLP<sup>+13</sup>, IBH<sup>+13</sup>, JZLD10, KM11, KGC14, KP15, KCE<sup>+18</sup>, KBP13, LK10, LYB15, LKK<sup>+19</sup>, LSW15, LLD<sup>+16</sup>, LLS<sup>+16</sup>, LYJ<sup>+18</sup>, LVF19, LSGZ16, MBM11, MMCS18, MLE14, MKM14, NLP<sup>+14</sup>, PP11, PBT13, QWB<sup>+13</sup>, ROGHNB<sup>+18</sup>, RM15c, SOM<sup>+13</sup>, SPC<sup>+16</sup>, SCZ<sup>+16</sup>, SWZG11, SLS<sup>+12</sup>, SN16, SKM14, TKT16, VSC<sup>+19</sup>, WZLX12, WLK15, WWY<sup>+16</sup>, WP16, WSXZ13, XZL<sup>+19</sup>, YY10, YSZ<sup>+14</sup>, YXZZ14, ZGG<sup>+16</sup>, ZZ10, ZMS13].

**System-Dependent** [JCY<sup>+13</sup>].

**System-Level** [AE11, Ano11f, BS10, BM13b, LK10, WP16, ZMS13].

**System-on-Chip** [BKH<sup>+13</sup>, LYJ<sup>+18</sup>].

**System-Wide** [KCE<sup>+18</sup>, SKM14].

**Systematic** [BGM<sup>+13</sup>, DRC14, PWTS16, PC16, Red11, SZW<sup>+16</sup>]. **SystemC** [PFGB14]. **Systems** [AJH15, AXS<sup>+10</sup>, AEP18, AE11, AFH<sup>+10</sup>, ARG14, Ano13g, AISA16, BBPQ15, BKPMC13, BDM<sup>+19</sup>, BIP<sup>+17</sup>, BBB16, BMS11, BM13b, BKP16, BDL<sup>+13</sup>, BGRH15, BDBB18, CAbZM18, CW10, CK11, CHH<sup>+13</sup>, Cha14, CZ14, CHC<sup>+15</sup>, CHTD19, CCH11, CS11b, CYCC11, CQW<sup>+15</sup>, CCY<sup>+16</sup>, CJA<sup>+16</sup>, CvdBC18, CLM<sup>+19</sup>, CQ14, CDK<sup>+18</sup>, CK15, CH14, CWCS15, DZD<sup>+16</sup>, DSB13, DYCG16, DLC<sup>+13</sup>, DSY<sup>+15</sup>, DW10, DKK16, EKJ<sup>+10</sup>, FFCB14, FYSK14, FSR<sup>+18</sup>, GCD<sup>+11</sup>, GGSPM18, GV15, GGA<sup>+17</sup>, GWM<sup>+17</sup>, HRK17, HWZ<sup>+12</sup>, HNV19, HWS<sup>+17</sup>, HWSX17, HS18, Hie13, HCH15, HTC13, HHLK12, HWL<sup>+14</sup>, HZW<sup>+12</sup>, HT12, HWSN15, HLA<sup>+17</sup>, HHW<sup>+18</sup>, HLC<sup>+19</sup>, JAJK15, JKY10, JKD<sup>+19</sup>, KS10a, KIJ14, KMC17, KMLH11, KAH19, KCRG14, KLJ<sup>+14</sup>, KH18, KAQC14, KA19, Kür12, LBSK17, LSK13, LSSE15, LXJD15, LXDV17, LS10a, LSS13, LOX<sup>+13</sup>, LLL15, LCH<sup>+15</sup>, LTVL15, LSG<sup>+18</sup>, LcZLG19, LH12b, LKT13, LZZZ13, LMB<sup>+16</sup>, LLW<sup>+11</sup>, LXZ<sup>+15</sup>]. **Systems** [LZZV16, LZZ16, LHH17, LJVJ18, MW10, MJWT16, MS15, MBB<sup>+17</sup>, MG11a, MUMB11, MBSSA19, MNK11, MCXZ18, MTBB10, MW13, NL16a, NL16b, NVB16, OGP14, OKC13, PKC<sup>+17</sup>, PDXZ13, Pan16, PCLN15, PBL16, PC10, PBE17, QZL<sup>+16</sup>, QLH<sup>+16</sup>, RVC<sup>+15</sup>, RF14, RDEN10, RSU17, RBR13, SSKL16, SDP<sup>+12</sup>, SVD18, SIVH16, SMN<sup>+17</sup>, SSW12, SL13, SLC15a, SZG<sup>+18</sup>, SKM14, SL14b, ST11a, SD13, SYH17, SWZG15, TLZV11, TB15, TSK16, TRA18, Tsa13, TFCY16, TS11, VSC<sup>+19</sup>, VSF<sup>+17</sup>, WS14, WLC<sup>+15</sup>, WZM<sup>+16</sup>, WSZ<sup>+16</sup>, WSL<sup>+18</sup>, WTZ<sup>+19</sup>, WHL17, WhCCC12, WA10, WLZ10, WJF<sup>+11</sup>, XDZ11, XLX<sup>+14</sup>, XTW15, XSR15, YLY<sup>+15a</sup>, YCLH16, YHC19, YPB<sup>+16</sup>, YYW<sup>+16</sup>, YTD<sup>+17</sup>, YHV13, ZLBB19, ZWW<sup>+16</sup>, ZFJ<sup>+17</sup>,

ZFHC19, ZQZ<sup>+</sup>19, ZZ19, ZV14, ZZM<sup>+</sup>15, ZL15, ZHM<sup>+</sup>19, ZXX<sup>+</sup>14, ZLLX15, ZCR16].  
**Systems-on-Chip** [NVB16, RVC<sup>+</sup>15].  
**Systolic** [CVGZ15, CLL<sup>+</sup>14, LLOS13, RM15b, WF12].  
**Sytare** [BDM<sup>+</sup>19].

**T** [GNSR14, ZGR13]. **T-SPaCS** [ZGR13].  
**T-Transform** [GNSR14]. **TA-LRW** [CFMA19]. **Table** [KCS14, SPC<sup>+</sup>18].  
**Tables** [HC13b, HHY11, HH17, LJ13, LS10c, MS12, Rus13, dLSGDR17].  
**Tables-and-Additions** [LJ13]. **Tackling** [EE17, USH19]. **TACL** [CYCC11]. **Tag** [KCL19, LXZ<sup>+</sup>15, YXWL16]. **Tagged** [DSB13, RKN<sup>+</sup>18]. **Tagging** [KLK17]. **Tags** [LLM<sup>+</sup>15, SDZ15]. **Tailored** [NCD<sup>+</sup>17].  
**Tainting** [DCV<sup>+</sup>12]. **Taming** [CVH<sup>+</sup>13].  
**TAP** [LCLC19]. **Target** [BWV15, GJ14, SBH11]. **Targets** [WF14].  
**Task** [AO11, CFL<sup>+</sup>18, CCK<sup>+</sup>16b, GCR<sup>+</sup>19, GZB<sup>+</sup>15, HV14a, HLWV17, HGW<sup>+</sup>17, HNB<sup>+</sup>12, KLK<sup>+</sup>14, LC16a, LYJ<sup>+</sup>18, LMB13, MBB<sup>+</sup>17, PAC<sup>+</sup>12, PP10, PM14, RBR13, TB15, TFCY16, WLZ<sup>+</sup>15, WJY<sup>+</sup>17, ZLBB19, ZLG<sup>+</sup>15, ZGG<sup>+</sup>16]. **Task-Based** [GCR<sup>+</sup>19]. **Tasking** [CvdBC18]. **Tasks** [BMP<sup>+</sup>10, Bin15, CGL<sup>+</sup>18, CP10, GHK15, HV13, HV14b, Li12b, LTVL15, LGS<sup>+</sup>18, MFG14, MW13, NRG15, TLZV11, WBZ<sup>+</sup>15, WGR<sup>+</sup>14, YTM16, ZQQ11, ZCYX15, ZMRQ11]. **TC** [Ano13a, Ano13b]. **TCAM** [BSS14, BSS15, BBH12, CWZC13, CW16, KCS14, MS12, RCRK13, SP12, Yun12]. **TCAM-Based** [BBH12, Yun12]. **TCAMs** [Li12a]. **TCP** [YCCWC15, ZWH<sup>+</sup>15].  
**TDM** [SMG14]. **TE** [ZMW15]. **TE-Shave** [ZMW15]. **Technique** [BCSR14, DSR15, FTP13, GSK12, KTA<sup>+</sup>14, LSC11, LCT11, PPP13, RBMO11, SRCK10, TW10, ZZ17, ZMY11]. **Techniques** [AS12, CM11, CZP<sup>+</sup>16, EKJ<sup>+</sup>10, FBR<sup>+</sup>12, FCB<sup>+</sup>19, Fuj11, GPRS17, GTRMG18, IS11, LLHC15, MYW11, NM10, RCN11, SP12, TJH<sup>+</sup>15, TLL12, XL16, ZR15a].

**Technologies** [AISA16, BMM11, CHTD19, LHH14b].  
**Technology** [ACM<sup>+</sup>16, WWY<sup>+</sup>16].  
**Telephone** [CB15]. **Temperature** [AEGH19, HV12, JCY<sup>+</sup>13, KkC15a, LSC10, YMG16]. **Temperature-Aware** [HV12, KkC15a, LSC10]. **Template** [ZYY18]. **Temporal** [AKKH12, CSPC12, CFMS14, DYCG16, FLS16, LXL<sup>+</sup>13, LCX<sup>+</sup>16, LC16a, MB12b, SSW12].  
**Temporary** [ZZJ<sup>+</sup>19]. **Tenant** [ZGWC15].  
**Tensor** [KYZC19, Red19]. **Term** [CYJ<sup>+</sup>10, Ose11]. **Terminal** [LHPH15].  
**Terms** [YL14]. **Ternary** [ADI11, BT16, FAK16]. **Test** [AK16, BBI<sup>+</sup>13, BCSR14, BCD<sup>+</sup>16, CZP<sup>+</sup>18, CCV<sup>+</sup>11, CCC15, CSW<sup>+</sup>15, COLK18, DPS11, DRS<sup>+</sup>16, FM19, FD16, GPRS17, HRM<sup>+</sup>16, IGLM15, KN11b, LCY<sup>+</sup>13, MVB10, NI11, NM10, PN16, PP14, Pom12c, Pom12a, Pom12d, Pom15c, Pom15b, RC14, RBG<sup>+</sup>19, WEH<sup>+</sup>19, XCF16, YTND12].  
**Testability** [KT19, MOMT12]. **Testbench** [PFGB14]. **Testing** [BCK<sup>+</sup>16, CVMA10, HTH15, Hie11, HL10b, HWE<sup>+</sup>16, KL13, Li12a, LC16b, MG11a, MOMT12, NI11, RCC14, ST16, SNM16, SDL<sup>+</sup>19, XCF16, XKT<sup>+</sup>15, ZOD13]. **Tests** [CM11, Pom12c, Pom12b, Pom12d, Pom13a, Pom13b, Pom14, Pom15a, Pom16a, SP10].  
**Text** [QWB<sup>+</sup>13]. **Textual** [CYJ<sup>+</sup>10]. **th** [KCK16]. **Thank** [Mon19]. **Thank-You** [Mon19]. **Their** [GM12, KBP13, LK10].  
**Them** [MMP13]. **Theorem** [Fan16, HTA10]. **Theoretic** [SCK10].  
**Theoretical** [GLH<sup>+</sup>19]. **Theory** [AS10, EFPC16, LLL15, LCHC14, SKEB18].  
**Thermal** [AQPMS15, BTBB14, KAH19, LZZZ13, LYJ<sup>+</sup>18, MMCS18, MKM14, PKC<sup>+</sup>17, RVC<sup>+</sup>15, RCN11, SVAB14, TCHL18, WJY<sup>+</sup>17, WWT<sup>+</sup>18, XCF16, ZMW15, khR<sup>+</sup>18]. **Thermal-Aware** [AQPMS15, KAH19, LYJ<sup>+</sup>18, MMCS18,

WJY<sup>+17</sup>, XCF16]. **Thermal-Constrained** [TCHL18]. **Things** [LGH<sup>+17</sup>]. **Third** [QZL<sup>+16</sup>]. **Third-Party** [QZL<sup>+16</sup>]. **though** [CS15]. **Thrashing** [LCLC19]. **Thread** [HGCT13, KK10, LKJ15, LR18, LLX<sup>+17</sup>, LY18, RCM<sup>+16</sup>, TLGM17, XLL<sup>+18</sup>, ZJS14]. **Thread-Aware** [ZJS14]. **Thread-Level** [XLL<sup>+18</sup>]. **Threaded** [TLGM17]. **Threading** [CvdBC18, MS15, RCC14]. **Threat** [YZF<sup>+10</sup>]. **Three** [CNH13, CCE<sup>+18</sup>, Hia16, Hia17, JWH<sup>+15</sup>, MKLW14, PC16, SG13, Ste14]. **Three-Dimensional** [CCE<sup>+18</sup>, JWH<sup>+15</sup>, MKLW14]. **Three-Moduli** [Hia16, Hia17]. **Three-Vertex** [SG13]. **Three-Way** [CNH13]. **Threshold** [Cil11, FSGAB<sup>+16</sup>, MHK15, RMKR12, STE17]. **Throttling** [LK16a]. **Throughput** [AFC10, CVGZ15, CA12b, FFISC13, HGCT13, KAH18a, KHZ17, LMC<sup>+15</sup>, LCL17, OMFH14, PRM16, RL13, VC10, WSL<sup>+18</sup>, YM11, ZZY14]. **Throughput-Efficient** [YM11]. **Throughput-Optimal** [RL13]. **Throwbox** [LYT<sup>+16</sup>]. **Throwbox-Assisted** [LYT<sup>+16</sup>]. **Throwboxes** [LYT<sup>+16</sup>]. **Tianhe** [XYF<sup>+15</sup>]. **Tianhe-2** [XYF<sup>+15</sup>]. **Tier** [LZW<sup>+15</sup>]. **Tiered** [SRHC12]. **Tight** [ST18a]. **Tighter** [YLH10]. **Tightly** [DMK<sup>+15</sup>]. **Tightly-Coupled** [DMK<sup>+15</sup>]. **Tiled** [KPS<sup>+17</sup>]. **Tiling** [QLH<sup>+16</sup>]. **Time** [ABH<sup>+13</sup>, AF14, ADP<sup>+15</sup>, ABEP16, AEP18, AE11, ASBdS16, BM13a, BBK10, BBD<sup>+12</sup>, BBP<sup>+13</sup>, BG12, Bin15, BBB16, BDB18, BPC12, BGRH15, CWF14, CBB19, CW10, Cha14, CWZ11, CYCC11, CCC15, CGL<sup>+18</sup>, CQ14, CLR13, CCAM14, CYL<sup>+14</sup>, DYW15, DCCK17, DZD<sup>+16</sup>, DA12, DGC<sup>+15</sup>, DZ10, DKK16, EE17, FM16, GKB<sup>+10</sup>, GCLC11, GPRS17, GGA<sup>+17</sup>, GCAG16, GSF<sup>+10</sup>, HB11, HXVQ15, HWZ<sup>+12</sup>, HV12, HCH15, HK16, HHLK12, HWL<sup>+14</sup>, HXL11, HCC<sup>+12</sup>, HV14b, HC17, HGW<sup>+17</sup>, HZW<sup>+12</sup>, HCZW13, IBH<sup>+13</sup>, JAJK15, JSH<sup>+17</sup>, JWWZ16, KS10a, KSS12, KM11, KRR<sup>+18</sup>, KGP15, KTA<sup>+14</sup>, KMC17, KLLK11, KCE<sup>+18</sup>, KAQC14, KDEV19, KT12, LYH11, LR13, LSC11, LHC<sup>+14</sup>, LAAM11, LMC<sup>+15</sup>, LKLK13, LSSE15, LXJD15, LXDV17, LC16a, LWF<sup>+17</sup>, LLW<sup>+11</sup>, LLM<sup>+15</sup>, LXZ<sup>+15</sup>, LGS<sup>+18</sup>, LMB13, MBD<sup>+17</sup>, MUMB11, MAHD18, MBSSA19, MFG14, MKM14, MW13, NRG15, NZLK14, NZC11, OHCK17, OCK17]. **Time** [OPZ15, PTD<sup>+12</sup>, PC10, PMH<sup>+14</sup>, RHC<sup>+14</sup>, RF14, RM15a, RLX15, SRCbL<sup>+15</sup>, SCJ<sup>+16b</sup>, TB15, TH11, TFCY16, TCHL18, THGT13, TKT16, VK15, WXS12, WBZ<sup>+15</sup>, WLY<sup>+14</sup>, WA10, WLZ10, WSXZ13, WZ14, XWLX17, Yam10, YPB<sup>+16</sup>, YYW<sup>+16</sup>, YHV13, YTM16, YAGB17, ZICL12, ZLBB19, ZD13, ZLY15, ZZ19, ZYY18, ZHM<sup>+19</sup>, ZQQ11, ZCYX15]. **Time-Aware** [WSXZ13]. **Time-Borrowing** [CCAM14]. **Time-Dependent** [LR13]. **Time-Domain** [HXVQ15]. **Time-Driven** [BM13a, RM15a]. **Time-Efficient** [LLM<sup>+15</sup>, LXZ<sup>+15</sup>]. **Time-Evolving** [HCZW13, JWWZ16]. **Time-Memory** [ASBdS16]. **Time-Multiplexed** [GCLC11]. **Time-Predictable** [WA10]. **Time-Series** [ZLY15]. **Time-Slot** [RLX15]. **Time-Triggered** [MAHD18]. **Time/Just** [JAJK15]. **Time/Utility** [KM11]. **Timed** [LH12b]. **Timely** [STR15]. **Times** [YLH10, YLA<sup>+15</sup>]. **Timetables** [DDNP11]. **Timing** [CYCC11, CCAM14, GV14, JRJ<sup>+18</sup>, KTA<sup>+14</sup>, LR16, MMAC19, MMP13, SBP16, SCJ<sup>+16b</sup>, VTA16, YyHL11, ZM17]. **Timing-Aware** [CYCC11, SBP16]. **TLB** [KLK17, SMAR<sup>+19</sup>]. **TLM** [BFP11, PFGB14]. **TMDTO** [MSS<sup>+18</sup>]. **Toeplitz** [PCHS16, RM15b, CNH13, CLL<sup>+14</sup>, HF15, HMNN12, HN13, PCHS18]. **Toffoli** [GM12]. **Toggle** [KCY18]. **Toggle-BasedX-Masking** [KCY18]. **Tolerance** [BWCW15, BKP16, DCK16, EYBK15,

GV15, HHCH11, JWH<sup>+15</sup>, JKJ<sup>+10</sup>,  
 KTA<sup>+14</sup>, MSC12, MBSSA19, NLRB17,  
 PPP13, RKR15, RRS<sup>+16</sup>, RZPX19,  
 SJSLD11, SRK<sup>+17</sup>, SD13, VTA16, VCB<sup>+13</sup>,  
 WZL<sup>+17</sup>, ZBK<sup>+17</sup>, ZL15, ZJXL11].  
**Tolerant**  
 [ALBP14, AE11, BMT14, CFMS14, CHLL16,  
 HCZW13, JK15, KCRG15, KKC15b, LCC10,  
 LW17, LYT<sup>+16</sup>, LQW<sup>+17</sup>, LZS<sup>+13</sup>, QLR<sup>+11</sup>,  
 RVL<sup>+14</sup>, SB16, SMRML17, SDE<sup>+17</sup>, SPH13,  
 WBZ<sup>+15</sup>, WGZ<sup>+15</sup>, ZBW17, ZQQ11].  
**Tolerating** [CZS<sup>+19</sup>, HK15a, KK10,  
 MMC15, MCM16, WNKL16]. **Toleration**  
 [RBK<sup>+12</sup>]. **Tology** [CPL16].  
**Tology-Aware** [CPL16]. **Tomography**  
 [FM16]. **Tool** [DYJ19, LVMS18, ZCS16].  
**Tools** [DMXY14]. **Top** [LRY<sup>+15</sup>].  
**Top-Down** [LRY<sup>+15</sup>]. **Topics**  
 [Ano13d, Ano13c, DPO17]. **Topological**  
 [CMB13, DLL<sup>+12</sup>]. **Topologies**  
 [RKZ16, YUGD14]. **Topology**  
 [AMVOS<sup>+15</sup>, CTD<sup>+16</sup>, CSJ<sup>+11</sup>, DNSS11,  
 HCZW13, JWC12, JRC14, MM16].  
**Topology-Aware** [CTD<sup>+16</sup>]. **Tori**  
 [CS11a, Ste14]. **Torus**  
 [AMVOS<sup>+15</sup>, AVS<sup>+14</sup>, AVS<sup>+16</sup>, MWLJ15,  
 RL13, RKZ16, TYWC10, ZR15b]. **Tower**  
 [ZAG19]. **Trace** [LYH11]. **Trace-Capable**  
 [LYH11]. **Traceability** [SAR<sup>+11</sup>].  
**Traceback** [YZGG16]. **Traceroutes**  
 [PPB<sup>+14</sup>]. **Traces** [RKT19, ZZX<sup>+15</sup>].  
**Tracing** [LZW<sup>+15</sup>, MUMB11]. **Track**  
 [WF14]. **Tracking**  
 [BWV15, CRG<sup>+13</sup>, LLL11, LFH<sup>+16</sup>,  
 OPAGS14, PdG13, RCN11, ST17]. **Trade**  
 [ADOKM10, ASBdS16, BCC<sup>+16</sup>, BS14,  
 BG12, GCAG16, KCL<sup>+16</sup>, KN11b, ZZ10].  
**Trade-Offs**  
 [ADOKM10, ASBdS16, BCC<sup>+16</sup>, BS14,  
 BG12, GCAG16, KCL<sup>+16</sup>, KN11b, ZZ10].  
**Tradeoff** [KCE<sup>+18</sup>, MTFK19]. **Tradeoffs**  
 [ABH<sup>+13</sup>, CSPC12, PvdGG12]. **Traffic**  
 [CHC<sup>+15</sup>, CPL16, CLZ19, DHC<sup>+16</sup>,  
 GSH<sup>+14</sup>, HHM11, HGL<sup>+15</sup>, KGC14,  
 PBT13, SMB<sup>+15</sup>, YZH<sup>+15</sup>, ZWL<sup>+19</sup>].  
**Traffic-Aware** [PBT13]. **Traffics** [GDY15].  
**TRAID** [SSW12]. **Train** [HDYS16].  
**Training** [CDK<sup>+18</sup>, SSGB19]. **Transaction**  
 [HPR16, LSG<sup>+15</sup>, SSW12]. **Transactional**  
 [AH13, HPR16, JW16, KCRG14, QGPZ13,  
 RQ14, TPR16, VAN<sup>+18</sup>, WGW<sup>+15</sup>].  
**Transactions** [Ano13c, Ano15a, Ano16a,  
 Ano17a, Ano18a, Ano19a, BKP16, BPC12,  
 CHTD19, DPO17, LDL<sup>+17</sup>, Liu11, LSGZ16,  
 Ano11g, Ano11h, Ano13d]. **Transceiver**  
 [NBZP17]. **Transcendent** [VTW16].  
**Transducer** [AWFV13, CYA13]. **Transfer**  
 [Ano13f, CCL<sup>+13</sup>, HMZ<sup>+14</sup>, HL10a,  
 LCCJ13, Tho15, WCL<sup>+18</sup>]. **Transform**  
 [GNSR14, HHCH11, RMC<sup>+15</sup>, RBMO11,  
 TWTT11, GTRMG18]. **Transform-Based**  
 [RBMO11]. **Transformation**  
 [CI16, JDA<sup>+16</sup>, RBIQ15]. **Transformations**  
 [LTLC12]. **Transforms** [Red18]. **Transient**  
 [DSY<sup>+15</sup>, DKK16, FEP<sup>+12</sup>, MD16,  
 SMRML17, WWT<sup>+18</sup>, ZHM<sup>+19</sup>].  
**Transiently** [BDM<sup>+19</sup>].  
**Transiently-Powered** [BDM<sup>+19</sup>].  
**Transients** [CBB19]. **TranSim** [LZZ16].  
**Transition** [NCD<sup>+17</sup>, Pom12b, Pom13b,  
 ST16, XKT<sup>+15</sup>]. **Translation**  
 [AJH15, CC11, LH16, LVF19]. **TransMap**  
 [JDA<sup>+16</sup>]. **Transmission** [CBTU14, LSL15,  
 MFT<sup>+17</sup>, RSNK17, RSN<sup>+18</sup>, XLS<sup>+12</sup>].  
**Transparent**  
 [CCW<sup>+10</sup>, DHC<sup>+16</sup>, JKJ<sup>+10</sup>, KYZC19,  
 LC16a, LZZ16, WFT<sup>+19</sup>, ZLW<sup>+17</sup>].  
**Transportation**  
 [DYCG16, DAPS14, HDYS16]. **Transpose**  
 [IRMM<sup>+16</sup>]. **Transversals** [WF14]. **Trap**  
 [CCL<sup>+18</sup>, YCL<sup>+12</sup>]. **Trapdoor** [GPR<sup>+19</sup>].  
**TRAST** [MM16]. **Traversal**  
 [DKG13, XHZC16]. **Tree** [AKJ<sup>+13</sup>, AR17,  
 BS14, CLS10, CCC15, CYC11, FYSK14,  
 FEP<sup>+12</sup>, GYC<sup>+16</sup>, GGA<sup>+17</sup>, GY15b, HH17,  
 KK18, KLT16, LP12, LPH15, LRY<sup>+15</sup>,  
 LSZ<sup>+15</sup>, SDP<sup>+15</sup>, SBI12, TXL11, WXW<sup>+14</sup>,  
 WLC<sup>+15</sup>, YWW<sup>+16</sup>]. **Tree-Based** [LP12].

**Tree-Structured** [CYC11]. **TreeFTL** [WW16]. **Trees** [CW15, DDNP11, LDP10, SJSLD11, TYWC10]. **Tridiagonal** [DALD18]. **Trie** [HHY11, HY12, ML16]. **Trie-Based** [ML16]. **Tries** [LYS10]. **Trigger** [KN12, NZ14]. **Triggered** [MAHD18]. **Trigonometric** [dLSGDR17]. **Trinomials** [Fan16, LMZQ17]. **TRIO** [BSS15]. **Triple** [ERRM16, FMP19, LZZ17a, RNS13, TFCY16]. **Triple-Word** [FMP19]. **TRNG** [LB15b]. **TRNGs** [PRM19]. **Trojan** [NDC<sup>+</sup>13, ZZ17]. **TrueNorth** [TBC<sup>+</sup>17]. **Truncated** [DRC14, GPN11]. **Trust** [JWL<sup>+</sup>16, MM16]. **Trust-Based** [MM16]. **Trusted** [JWWZ16, MGdC<sup>+</sup>18]. **Trustworthy** [LSW15]. **TrustZone** [BBA19]. **Truthful** [HZL<sup>+</sup>16, MFG16, MFG14, ZJL<sup>+</sup>16]. **TSAC** [WZL15]. **TSP** [PKC<sup>+</sup>17]. **TSS** [CYJ<sup>+</sup>10]. **TSV** [CCE<sup>+</sup>18, EYBK15, YEY<sup>+</sup>16]. **TSV-Based** [CCE<sup>+</sup>18, EYBK15]. **TSV-to-TSV** [YEY<sup>+</sup>16]. **Tunable** [Nan19]. **Tuning** [NL14]. **Turn** [TLP17]. **Turnaround** [EE17]. **Tweakable** [CMLRHS13, MLCH10]. **Twin** [AMVOS<sup>+</sup>15, AVS<sup>+</sup>16]. **Two** [AJH15, CHL17, LAAM11, LLW<sup>+</sup>11, LLS<sup>+</sup>16, NI11, NL15b, NZC11, PLZW14, Pom15c, RLRL19, Ste14, TWTT11, Tse12, WEX14, WHC<sup>+</sup>15b, ZGR13, ZMRQ11]. **Two-Dimensional** [Pom15c, Ste14, TWTT11, WEX14]. **Two-Factor** [LLS<sup>+</sup>16]. **Two-Level** [AJH15, LLW<sup>+</sup>11, NL15b, ZGR13]. **Two-Rail** [NI11]. **Two-Stage** [PLZW14]. **Twofold** [GO10]. **TXOP** [LHY13]. **Type** [PCHS18, RKN<sup>+</sup>18, WF12, ZCW18, Ima18]. **Type-I** [Ima18]. **Types** [KN11a].

**Ultimate** [PN16]. **Ultra** [BDDL18, FHW18, LT15, WWY<sup>+</sup>16, XYF<sup>+</sup>15]. **Ultra-Low** [BDDL18, FHW18, WWY<sup>+</sup>16]. **Ultra-Scalable** [LT15, XYF<sup>+</sup>15]. **Unbalancing** [JLC10]. **Unbiased** [LMB17, VMHGN18]. **Unbounded** [XXBL17]. **Uncertainty** [BIP<sup>+</sup>17, LMB13, WHYS16]. **Unclonable** [CJSM17]. **Underwater** [CBVL16]. **Undetectable** [Pom12b]. **Unequal** [CMM15, DRM16, NL15b, NL16a, YW12]. **Unfaithful** [FNS16]. **Unicast** [RBRL15]. **Unified** [AFC10, LLC<sup>+</sup>16, LJY<sup>+</sup>15, LJ15, MF14, SB10]. **Uniform** [NTR14, ST18b, WhCCC12]. **Uniprocessor** [SL14b]. **Uniqueness** [GLH<sup>+</sup>19]. **Unit** [BPG16, GH11, HMS<sup>+</sup>12, LCL17, LN12, MKFM13, PGvdG14, WF17, WE12, ZCW18]. **Unitaries** [KMM16]. **Unitary** [Red18]. **Units** [FFISC13, JRJ<sup>+</sup>18, KN12, Nan16, dOPSR16]. **UNIVERCM** [DFP<sup>+</sup>13]. **Universal** [DZLP14, DFP<sup>+</sup>13]. **Unix** [SF17]. **Unknowns** [NS13]. **Unobtrusive** [MUMB11]. **Unreliable** [BMT14, GHG<sup>+</sup>14, KAH19, RCK<sup>+</sup>16]. **Unschedulability** [ZZ19]. **Unsigned** [JLLH19]. **Unspecified** [NM10]. **Unstable** [YCCWC15]. **Unstable-Bandwidth** [YCCWC15]. **Update** [HY12, KE19, KCS14, LDL<sup>+</sup>17]. **Updates** [BMS12, CLW<sup>+</sup>16a, SZG<sup>+</sup>18]. **Uplink** [CKH15]. **Upon** [LCX<sup>+</sup>16]. **Upper** [Bin15, HCCG10]. **Upsets** [ALBP14, WNKL16]. **Urban** [WAK<sup>+</sup>17]. **Usable** [MAG<sup>+</sup>17]. **Use** [DAPS14, Fin10, MB12a]. **Used** [LOC<sup>+</sup>16]. **User** [HCD<sup>+</sup>16, JCM16, QQW<sup>+</sup>17, RVH<sup>+</sup>16, SZDL14, YCCJ15, ZJL<sup>+</sup>16]. **User-Friendly** [SZDL14]. **Users** [PPB<sup>+</sup>14]. **Using** [ARM16, ABH<sup>+</sup>13, AAR19, ADP<sup>+</sup>15, AKL18, AD16, AXS<sup>+</sup>10, AHNT16, AMG17, AVS<sup>+</sup>14, ADC11, AD13, AS14, BNP10, BD15, BFMT16, BCTV15, BJ12, BBH12, CSS13, CCH15b, CZP<sup>+</sup>16, CTD<sup>+</sup>16, CJA<sup>+</sup>16, CW15, CW16, CLL<sup>+</sup>14, CJK19, CCR<sup>+</sup>17, CND<sup>+</sup>18, CJ12, CH14, Cro14, CP10, CDL<sup>+</sup>17, DN11, DJA14, DLC<sup>+</sup>13, DCV<sup>+</sup>12, DAPS14, EKA17, ERRMG15,



ERRM16, EG11, GKD<sup>+17</sup>, GAFN15, GO10, GZB<sup>+15</sup>, GCL<sup>+13</sup>, HTA10, HCSW15, HNB<sup>+12</sup>, IRMM<sup>+16</sup>, JSA17, JZLD10, JWWZ16, JWL<sup>+16</sup>, JLLH19, JMMP16, KAH18a, KYZC19, KKT15, LP12, LW17, Lee17, LDP10, LLCC13, LCT11, LPL12, LHYZ13, MRD19, MWZ<sup>+17</sup>, MSK15, MHRARG<sup>+14</sup>, MRL<sup>+18</sup>, MF14, ML16, NWA11, NWA12, NM10, OPZ15, OKD<sup>+16</sup>, OKC13, PDXZ13, PP11, PCHS18, PO13, PPB<sup>+14</sup>, PRM19, RVL<sup>+14</sup>, RKR15, RCN11, RM15b, RMERM19, RS10, RD18, SIB13, ST12, SXCL14, SDP11]. **Using** [TW10, TAH<sup>+16</sup>, TZL<sup>+14</sup>, Tho15, TBC<sup>+17</sup>, VED<sup>+16</sup>, VAB14, VA11, WEX14, WSXZ13, WZ14, XLS<sup>+12</sup>, XLC14, XDZ11, XKT<sup>+15</sup>, YKK<sup>+15</sup>, YFJ<sup>+14</sup>, YLML15, YWM19, Yun12, ZNL18, ZCZL16, ZZX<sup>+15</sup>, ZRL15, dDLM11, GV15]. **Utility** [KM11, KFB<sup>+15</sup>, LS13, LTLC12, SMP16, ZJS14]. **Utility-Based** [LS13, SMP16]. **Utility-Directed** [LTLC12]. **Utilization** [AGFM11, ARS16, Bin15, CCY<sup>+16</sup>, CGL<sup>+18</sup>, HZX<sup>+14</sup>, HLA<sup>+17</sup>, JDA<sup>+16</sup>, WLK15]. **Utilization-Based** [CGL<sup>+18</sup>]. **Utilizing** [HK17, PWTS16].

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**Virtualized**[AJH15, LZ15, WBZ<sup>+</sup>15, ZL16, ZCYX15].**Virtually** [AGFM11]. **Virus**[LLL11, OWP16, PWW<sup>+</sup>11]. **Vision**[NVB16, TJH<sup>+</sup>15, TKT16]. **VLIW**[GSL10, Yan14]. **VLSI** [BG12, BKP16,CCR<sup>+</sup>17, FM16, RMC<sup>+</sup>15, TWTT11]. **VM**[RSNK17, ZLSI17]. **Vol**

[Ano15a, Ano16a, Ano17a, Ano18a, Ano19a].

**Volatile**[AK19, Cha14, CHTD19, HZX<sup>+</sup>14, JAKD18,JSA17, JW16, LKBS16, LHL<sup>+</sup>15a, LXW<sup>+</sup>19,LZZ<sup>+</sup>17b, QLH<sup>+</sup>16, RD18, SJD<sup>+</sup>18, SZZ<sup>+</sup>19,SZL<sup>+</sup>16, TAH<sup>+</sup>16, WWY<sup>+</sup>16, WWY<sup>+</sup>18,WNKL16, XZL<sup>+</sup>19, YWW<sup>+</sup>16, ZFHC19].**Voltage** [ACW<sup>+</sup>11, AEGH19, DA12,FSGAB<sup>+</sup>16, FCB<sup>+</sup>19, JSH<sup>+</sup>17, KkC15a,

LKYC12, MHK15, NY15, NYHB16, NY19,

OKC13, PdG13]. **Voltage/Frequency**[DA12]. **Volumes** [LBSK17]. **Voting**[CHL17, LY18]. **vs** [Red19]. **VSPN**[CYHL14]. **Vulnerabilities** [LDP10].**Vulnerability**

[BPBBL13, MTGM12, MMTM15].

**Vulnerable** [JAS<sup>+</sup>15, WBG19].**WaFS** [WLK15]. **Wait** [HTA17].**Wait-Free** [HTA17]. **Wake**[HKWC14, LRC10]. **Wake-Up** [LRC10].**Walks** [YCW11]. **Wall**[SRHC12, VKS<sup>+</sup>16, YWXZ12]. **Wallace**[WS10]. **WANETs** [GGL<sup>+</sup>14]. **Warp**[OYP<sup>+</sup>18, OKY<sup>+</sup>19]. **WASP** [OYP<sup>+</sup>18].**Wastewater** [CCO<sup>+</sup>14]. **Wave**[DCY<sup>+</sup>13, UVG16]. **Wavelength** [KH14].**Wavelength-Routed** [KH14]. **Wavelet**[HHCH11, Red11, TWTT11]. **Way**[CNH13, CLW<sup>+</sup>15, DEE17, DY14, LLM<sup>+</sup>15].**WBSP** [WZLS16]. **WCET** [PC10, YLH13].**Weak** [WZL<sup>+</sup>17]. **Weakly** [RWC18]. **Wear**[CHK10, DY14]. **Wear-Leveling**[CHK10, DY14]. **Web**[MRW<sup>+</sup>15, MBS<sup>+</sup>12, RQ14]. **WEC**[CDQB15]. **Weight** [SWF<sup>+</sup>19]. **Weighted**[AWFV13, GWZ<sup>+</sup>10, LCL15, LCW<sup>+</sup>15].**Weighted-Graph-Based** [GWZ<sup>+</sup>10]. **Well**[Gor14]. **Well-Connected** [Gor14]. **WG**[ERRMG15, ZAG19]. **WG-** [ERRMG15].**WG-16** [ZAG19]. **Where**[MOS14, PPB<sup>+</sup>14]. **Which** [LYT<sup>+</sup>16].**while** [RS13]. **White** [SWF<sup>+</sup>19].**White-Box** [SWF<sup>+</sup>19]. **Whole** [KKH<sup>+</sup>14].**Wi** [HWK15]. **Wi-Fi** [HWK15]. **Wide**[KCE<sup>+</sup>18, SH12, SKM14, Zhe10].**Wide-Area** [SH12]. **Wide-Sense** [Zhe10].**Width** [CK15, HK15a, LAAM11]. **Window**[LPL10, TX16]. **Windows** [QPG10].**Wireless** [AO11, AO12a, AEKT15, AD10,

AD12, Amm14, BWCW15, BWV15, CWZ11,

CJG16, CWTT13, CLR13, CSJ<sup>+</sup>11, CCD12,CBTU14, DCY<sup>+</sup>13, DY12, DCL<sup>+</sup>11,DLL<sup>+</sup>12, DVUS14, GD17, GSH<sup>+</sup>14,GCD<sup>+</sup>11, GYC<sup>+</sup>16, GY16, GHG<sup>+</sup>14,GLTC16, HXVQ15, HMZ<sup>+</sup>14, HBCC13,HKWC14, HWX15, KCL<sup>+</sup>16, KKT15,

KLT16, KH10, LRC10, LR13, LYOB15,

LY11, LWW11, LGH15, LLZ<sup>+</sup>17, LDB<sup>+</sup>17,

LSX13, LCHC14, LP13b, LYCT10, LKLT12,

LHH14b, LWY15, LCT11, LZYL13, LWF13,

LGF<sup>+</sup>15, MM16, MB12b, MWY<sup>+</sup>16, MMH14,

MMB14, QSYS16, RGK15, RS13, RNS13,

SXLC15, SBH11, SPC<sup>+</sup>16, SCK10, SMN<sup>+</sup>17,SZS14, VBR<sup>+</sup>13, WJL<sup>+</sup>12, WXLL13,WJL<sup>+</sup>14, WXLY15, WLYY16, XCW<sup>+</sup>10,XLS<sup>+</sup>12, XHZ14, XWL<sup>+</sup>16a, XWL10,XLTZ11, YKK<sup>+</sup>15, YASS14, ZWX12,ZMY11, ZY12, ZWD<sup>+</sup>16, ZLYS15, dAJM14].**within** [RV13]. **without**[ARM15, CCW<sup>+</sup>10, DCCK18, EKJ<sup>+</sup>10,HMZ<sup>+</sup>14, IGLM15]. **WLAN** [LHY13].**WLANs** [GY14]. **WMNs** [CWX<sup>+</sup>14].**WOM** [PLM16]. **WOM-Code** [PLM16].**Word** [FMP19, LCH13, NWA11, SL10].**Word-Based** [LCH13, SL10]. **Word-Level**[NWA11]. **Work** [CG18]. **Work-Stealing**[CG18]. **Worker** [CAGM14]. **Workflow**[CPL17, WL13, WLK15]. **Workflow-Aware**[WLK15]. **Workflow-Based** [WL13].

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**X** [KN11b, PVKA14, XLX<sup>+</sup>14, ZXX<sup>+</sup>14]. **X-Code-Based** [XLX<sup>+</sup>14, ZXX<sup>+</sup>14]. **X-Masking** [KN11b]. **XACML** [LCHX11]. **Xbar** [ZMW<sup>+</sup>19]. **XHive** [KJL11]. **Xilinx** [RURM18]. **XML** [TLL<sup>+</sup>13]. **XOR** [LSXP14, ZLWZ15, vdBGLGL<sup>+</sup>16]. **XOR-Based** [LSXP14]. **XQDD** [LWK11].

**Yahoo** [SLLG15]. **YARN** [CZL<sup>+</sup>17]. **Yield** [LLHC15, SC11].

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