

# A Complete Bibliography of the *ACM Journal on Emerging Technologies in Computing Systems (JETC)*

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

Tel: +1 801 581 5254

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

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## Title word cross-reference

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[CJ14a, CV12, HYWA09, RSD23b, SMT<sup>+</sup>17]. 20 [NPS<sup>+</sup>20]. 3 [ARLB18, AGD<sup>+</sup>20, BAT<sup>+</sup>22, VRBS16, BLKM23, BCT<sup>+</sup>13, CKC<sup>+</sup>18, CMK<sup>+</sup>21, CJ14a, CBK<sup>+</sup>22, CH14, CRKP22, FRB08, KSB<sup>+</sup>08, KYEB15, KKC17, KWWI17, LKC15, LDK<sup>+</sup>18, LKK<sup>+</sup>22, LDP<sup>+</sup>20, MRG22, SCL17, SKRX13, TJ13b, TTS22, TZS14, VOB19, WL22a, XLBB06, XCF08, XDX14, XPD12, ZJS10, ZMC15, ZCB<sup>+</sup>22]. 4 [LCSP14].  $K$  [VOB19].  $\kappa$  [MP10].  $\mu$  [RFDT15].  $\Sigma\Delta$  [GGTG<sup>+</sup>20].  $T$  [YYC07, MPZ21].  $\Theta(\sqrt{n})$  [CV12].  $V_{th}$  [MP10].

-Analog [CFK22]. -Bit [LCSP14]. -D [HYWA09]. -depth [CV12]. -means [VOB19]. -Phase [SMT<sup>+</sup>17]. -Qubit [NPS<sup>+</sup>20]. -SNE [MPZ21]. -tree [YYC07].

/high [MP10]. /high- [MP10].

1 [LZBW20]. 100GBd [XLL<sup>+</sup>18]. 10nm [GVRR17]. 14nm [TGCJ16]. 19 [KKNM22]. 1S1R [BSL<sup>+</sup>18].

2 [ZLWB20]. 2.0 [BLKM23]. 2006 [CS07]. 2007 [LC08]. 2008 [Bah09]. 2011 [AD14, SN10]. 22nm [TGCJ16].

a-Si [HCTK08]. ABC [PPM<sup>+</sup>13]. Abnormality [TW22]. Abstraction [DRL<sup>+</sup>19]. Accelerate [CRSSBMR21, IGGR19]. Accelerated

- [JCK23, KKNM22, ZJT<sup>+</sup>14]. **Accelerating** [AAO21, CRKP22, DEW<sup>+</sup>23, ERGK21, LWY22]. **Acceleration** [ASP<sup>+</sup>18, BRZ21, KMC<sup>+</sup>22, LZXL22, ORC<sup>+</sup>24]. **Accelerator** [DCP<sup>+</sup>21, DK21, DBS<sup>+</sup>21, GLL<sup>+</sup>21b, HM21, KPM22, KPPB17, LLX<sup>+</sup>18a, NAY24, PJSM17, PAP<sup>+</sup>22, SBZT20, YLR<sup>+</sup>23, ZBF<sup>+</sup>22, ZK18]. **Accelerators** [BBB<sup>+</sup>22, CMZR23, GGHP<sup>+</sup>24, HFLZ22, KAS<sup>+</sup>22, KKK22, LTO22, LYI19, MEHT21, MMAAK23, WL19, WL22a, XCS<sup>+</sup>19]. **Accelerators-based** [MEHT21]. **Access** [AIK21, GLMG<sup>+</sup>15, LBJ<sup>+</sup>16, RSD23b, AKW<sup>+</sup>13, CSKM13]. **Access-Transistor-Free** [GLMG<sup>+</sup>15]. **accessibility** [GN08]. **AccHashtag** [JCK23]. **Accumulation** [BSS16]. **Accumulation-Mode** [BSS16]. **Accuracy** [ACH<sup>+</sup>17, GKT<sup>+</sup>18, NPH18, TKBM12, WWZ<sup>+</sup>22]. **Accurate** [CMJ14, CQZ<sup>+</sup>21, CLZ<sup>+</sup>22, ZF15, KTW08]. **Achievable** [KAKSP14]. **achieving** [WWJ09]. **ACM** [BC08, SLCJ22, Shu09, ZLWB20]. **across** [AMVG12, JRLR15]. **Activation** [HLH<sup>+</sup>12, LQYL19, YMWH21]. **active** [ABS<sup>+</sup>12, PDLS06]. **Activity** [MKG<sup>+</sup>23]. **Actuators** [ZF15]. **Adaptation** [LJL18]. **Adapting** [AIK21]. **Adaptive** [GLMG<sup>+</sup>15, MGK18, KMD12, LCT12]. **ADC** [MSB<sup>+</sup>22]. **Adder** [BSL<sup>+</sup>18, ISI<sup>+</sup>18, MGMU22, MGZ<sup>+</sup>17, NV14, CV12, TR13]. **Adders** [AHHS21]. **Addition** [CV11]. **Address** [IASK20]. **Addressable** [GG17]. **addressing** [SRD<sup>+</sup>06]. **Adiabatic** [KT20]. **Advanced** [GHHW19, YWF18]. **Advances** [TSB15]. **Adversarial** [HMP<sup>+</sup>22, HYPW22, LDZ22, XZL<sup>+</sup>21]. **AER** [KWG<sup>+</sup>20]. **AES** [YWF18]. **Against** [DCSA22, PHS<sup>+</sup>23, GCC<sup>+</sup>23, GSC17, LDZ22, RSBA23, ZCX<sup>+</sup>17]. **aggregated** [HMP<sup>+</sup>22]. **aging** [AMA<sup>+</sup>14, CNPR14, KCC<sup>+</sup>14]. **Agnostic** [CTP14]. **AI** [JHPG22, PYSJ22, RAG<sup>+</sup>25]. **AI-enhanced** [PYSJ22]. **Algorithm** [CRSSBMR21, CEW<sup>+</sup>13, DBS<sup>+</sup>21, LCSP14, LFDS22, MPZ21, MCT18, PP21, RDH14, SKB13, VOB19, YL14, BBB<sup>+</sup>22]. **Algorithms** [CLKG17, CLSD18, CQL21a, CQL21b, MS19, PT14a, SCLW19b, SCLW19a, GMM12, PSM<sup>+</sup>06]. **alive** [ABS<sup>+</sup>12]. **All-Optical** [GB18, EDCL<sup>+</sup>22]. **All-Spin** [MS17, VSRR15, XZR<sup>+</sup>22]. **Alleviate** [WXW<sup>+</sup>17]. **Allocation** [KXY16, LKL<sup>+</sup>18, WWJ09]. **Allocator** [WL22b, YXD<sup>+</sup>17]. **Allow** [KMS<sup>+</sup>20]. **alternate** [LBGR08]. **Alternative** [RKM15, TV17]. **ALU** [SDSS14]. **Amplifier** [SFD17]. **Analog** [ASP<sup>+</sup>18, BY18, BSS16, CHA20, KKK22, MSC<sup>+</sup>21, RSD<sup>+</sup>23a, WWZ<sup>+</sup>22, YLR<sup>+</sup>23, ZSPC19, CFK22]. **Analog-Trojan-resilient** [RSD<sup>+</sup>23a]. **Analysis** [AHPC21, ARLB18, AHS22, AHHS21, BBB<sup>+</sup>16, BWL<sup>+</sup>21, GRPT13, GG17, GFZ13, GPW<sup>+</sup>15, HON21, KBT24, KYEB15, KCWL<sup>+</sup>16, LTKP16, MLW<sup>+</sup>23, NLK<sup>+</sup>13, PYSJ22, RPBA21, RBHG21, WDG<sup>+</sup>20, WYZ<sup>+</sup>20, CCTP08, CSKM13, CWT14, DWL10, HCTK08, KSG14, PHS<sup>+</sup>23, PFOL07, RBGC14, ZFT13]. **Analytic** [VOB19]. **Analytical** [KYEB15, REL<sup>+</sup>22]. **Analytics** [CRKP22]. **Analyzing** [PAC<sup>+</sup>22]. **Annotation** [PPM<sup>+</sup>13]. **Anomaly** [KPFM16]. **Anonymous** [WM24]. **Anonymous** [PHS<sup>+</sup>23]. **ANT** [CLZ<sup>+</sup>22]. **ANT-UNet** [CLZ<sup>+</sup>22]. **Anti** [CCW18]. **Anti-Reverse** [CCW18]. **API** [RBG<sup>+</sup>22]. **Application** [AIK21, DKK<sup>+</sup>15, DJH<sup>+</sup>19, FC18, LZX<sup>+</sup>21, Tah06, WDG<sup>+</sup>20, AMVG12, XS14]. **Application-driven** [WDG<sup>+</sup>20]. **Application-independent** [Tah06]. **Application-Level** [LZX<sup>+</sup>21]. **Application-Specific** [DKK<sup>+</sup>15, FC18]. **Applications** [ASP<sup>+</sup>18, BOAC<sup>+</sup>20, FNO<sup>+</sup>19, GYM<sup>+</sup>17, GLL<sup>+</sup>21b, HVB22, IGG19, JWJ<sup>+</sup>17, KPPB17, KHC<sup>+</sup>22, RAG<sup>+</sup>25, SJKS20, SLCJ22, SHAC19,

TTS22, MFA<sup>+13</sup>, PFOL07]. **Approach** [ARD24, BM15, BBB<sup>+22</sup>, BS15, DRSR14, DJ16, JRLR15, LDK<sup>+18</sup>, SMR23, SMR<sup>+21</sup>, ZY18, ZGSA15, CQZK14, RT08, SZSS10]. **Approaches** [EDZ<sup>+23</sup>, SMZ<sup>+19</sup>]. **Approximate** [AHHS21, GP17, JLL<sup>+17</sup>, LQYL19, MEHT21, SJKS20, SVA<sup>+18</sup>, SBT20, TT20]. **Approximation** [HYPW22]. **Arbitrary** [Mog14]. **Architecting** [KBM21, Mit17]. **Architectural** [ABM21, Mit16, PJT25, VO06, WKL16]. **Architecture** [AMH<sup>+24</sup>, AM18, BYHT18, CRKP22, CNH12, CTT<sup>+20</sup>, DPB11, GLL<sup>+21a</sup>, GLL<sup>+21b</sup>, JOF<sup>+15</sup>, JMKM21, JRJ22, KDSD24, LZXL22, LLX<sup>+18a</sup>, LZBW20, LDP<sup>+20</sup>, LPM<sup>+19</sup>, MAC<sup>+21</sup>, NLL<sup>+17</sup>, SGR<sup>+12</sup>, VK18, VDB<sup>+16</sup>, VOB19, WX15, YYBK19, ZLB<sup>+22</sup>, ZLWB20, ZK19, dLBHC22, CQZK14, CV12, CA11, MTC<sup>+08</sup>, Moh12, PDLS06, PDL07, SCI<sup>+09</sup>, TWL09, TCSV09, ZJS09a, ZJS10, ZJS09b]. **architecture-level** [Moh12]. **Architectures** [ACM<sup>+20</sup>, AMF<sup>+15</sup>, CMM<sup>+18</sup>, CDP17, CCWCC15, DJ16, ERGK21, GCO<sup>+11</sup>, GMGA23, GNY<sup>+22</sup>, KK23, LGL15, MSB<sup>+22</sup>, MPZ21, Rez23, RMG15, Shu09, WZL16, YJ18, YP17, BPH<sup>+11</sup>, CDG<sup>+12</sup>, Deh05, FGZ14, KWFH12, WVGP13, XLBB06, ZMT13]. **Area** [CKC<sup>+18</sup>, CCH16, KCWL<sup>+16</sup>, PFRR17, XZR<sup>+22</sup>, RT07]. **Area-efficient** [XZR<sup>+22</sup>]. **Arithmetic** [JLL<sup>+17</sup>, PAP<sup>+22</sup>, VMNI08, Gla14, WL22a]. **AroMa** [CMZR23]. **Array** [CYL25, KKY<sup>+20</sup>, LZXL22, LYWW13, MZZ23, MTC<sup>+08</sup>]. **Arrays** [BSL<sup>+18</sup>, CEW<sup>+13</sup>, CCH16, HHD<sup>+23</sup>, WHL<sup>+21</sup>, ZJK22, CCTP08, CSKM13]. **Artifact** [KRP<sup>+21</sup>]. **Artificial** [Dea14, KBM21, WLJC21, XYJ<sup>+21</sup>]. **ASBUS** [YWF18]. **ASIE** [KWG<sup>+20</sup>]. **ASL** [ALY<sup>+21</sup>]. **Assays** [GCB14]. **assembled** [GRS05]. **Assertions** [WJWM23]. **Assessment** [RNN<sup>+22</sup>, VOB19]. **Assignment** [YJ18, SLS<sup>+14</sup>, ZS08]. **Assisted** [MPR<sup>+22</sup>]. **Associated** [GCO<sup>+11</sup>]. **Associative** [CCWCC15, JRJ22, SBR19]. **Assurance** [BWL<sup>+21</sup>, GCC<sup>+23</sup>, AML<sup>+23</sup>, JDPh<sup>+23</sup>]. **assured** [MEHT21]. **Asymmetric** [CJ16, GVRR17, GJ17, GZZ<sup>+21</sup>, LPW18]. **Asynchronous** [GRPT13, GGTG<sup>+20</sup>, KWG<sup>+20</sup>, SM11, VGZ11, VSM19, ZSXY11, CB09]. **Asynchrony** [SN11]. **Attack** [DDG<sup>+22</sup>, GCTF20, HMP<sup>+22</sup>, LZx<sup>+21</sup>, WHB<sup>+21</sup>, ZLGL21]. **Attacks** [ABM21, ASK23, BGX<sup>+21</sup>, CMZR23, DCSA22, GCC<sup>+23</sup>, JCK23, JWJ<sup>+17</sup>, LYEK22, LTO22, LDZ22, PHS<sup>+23</sup>, RSBA23, WM24]. **Audio** [HYPW22]. **Audit** [SPS<sup>+24</sup>]. **Authentic** [TFR23]. **Authentic/Counterfeit** [TFR23]. **Authentication** [Bis17, IGR<sup>+16</sup>, MKMS22, RDS24]. **Authorization** [ASMK22]. **Autoencoders** [HYPW22]. **Automata** [DPB11, TNWD20, dLBHC22, DWL10]. **Automated** [DMR06, GCJ17, WJWM23, XHSC07, ZS08]. **Automation** [WD22, ZCB<sup>+22</sup>, CZ05]. **Autonomous** [LPB<sup>+15</sup>]. **Auxiliary** [LDZ22]. **Aware** [CYL25, GLMG<sup>+15</sup>, GUP11, HMC25, MPM13, MKW<sup>+14</sup>, NPS<sup>+20</sup>, PFRR17, PRG<sup>+15</sup>, SLCJ22, WX15, DJH<sup>+19</sup>, DLL<sup>+19</sup>, LHHZ19, MSCS19, RHB<sup>+20</sup>, RMBC12, SAAR20, STA<sup>+12</sup>, TMG<sup>+21</sup>, YWH<sup>+13</sup>]. **B** [FCR23]. **B-open** [FCR23]. **Back** [NLW<sup>+20</sup>]. **Backpropagation** [DCP<sup>+21</sup>]. **Backside** [DDR<sup>+16a</sup>]. **ballistic** [HYWA09, PFOL07]. **bar** [KKY<sup>+20</sup>]. **Barely** [ABS<sup>+12</sup>]. **Barnes** [MPZ21]. **Based** [AIK21, BBB<sup>+16</sup>, BSY<sup>+16</sup>, BYHT18, CZW<sup>+19</sup>, DCP<sup>+21</sup>, DDP20, DKK<sup>+15</sup>, DJH<sup>+19</sup>, FYJ<sup>+17</sup>, GCO<sup>+11</sup>, GRPT13, GG17, HFLZ22, HC15, HYPW22, KXY16, KBC<sup>+23</sup>,

- KHC<sup>+22</sup>, KT20, LTKP16, LPB<sup>+15</sup>, LQYL19, LLX<sup>+18</sup>b, LWY22, MZZ23, MPM13, MSB<sup>+22</sup>, MKSW17, MAC<sup>+21</sup>, NLL<sup>+17</sup>, NPA<sup>+12</sup>, OBLD14, QGW20, RAC<sup>+24</sup>, RNN<sup>+22</sup>, STSG17, SGR<sup>+12</sup>, SSF<sup>+15</sup>, TZS14, TSÁ<sup>+24</sup>, VAK18, VDB<sup>+16</sup>, VSRR15, WX15, WL19, WLJC21, XLL<sup>+18</sup>, YXW<sup>+12</sup>, YLF<sup>+17</sup>, YYPK17, ZJ11, ZCX<sup>+17</sup>, ZY18, ZF15, AMH<sup>+24</sup>, ABR<sup>+21</sup>, ABM21, ASK23, AHS22, BBB<sup>+22</sup>, BMTP24, Bis21, CKA23, CZ05, CHN09, DMR06, Deh05, DBS<sup>+21</sup>, FSD22, GD12, Gla14, GCTF20, HON21, HRR19, HMS<sup>+05</sup>, IBO22, KPM22, KKY<sup>+20</sup>, KKNM22, LYEK22, LJ10, LDK<sup>+18</sup>, LDP<sup>+20</sup>, LTO22, MDS21, MKMS22, MSCS19, MEHT21, MN06, MS20, NLW<sup>+20</sup>, RSBA23, Rez23, RDS24, RCYB22, SZSS10, SAAR20, SPR18, SC06, TCSV09, TR13, VOB19]. **based** [WWG<sup>+19</sup>, WYZ<sup>+20</sup>, WL22a, XYJ<sup>+21</sup>, XZR<sup>+22</sup>, YYBK19, ZLB<sup>+22</sup>, ZCDD19, ZH20, WZSC09]. **Batching** [LML<sup>+19</sup>]. **BCD** [TR13]. **BD** [HYA<sup>+20</sup>]. **BD-Net** [HYA<sup>+20</sup>]. **Be** [ABM21]. **beamed** [KK12]. **Beat** [LTKP16]. **Behavior** [BOAC<sup>+20</sup>, GSC17, SMT21]. **Behaviors** [AIK21]. **Benchmark** [XCS<sup>+19</sup>]. **Benchmarking** [BHLD19]. **Benefit** [CKC<sup>+18</sup>]. **Best** [Bah09]. **between** [BMTP24, LDPPB21, TGCJ16]. **Beyond** [KAB<sup>+21</sup>, KZW<sup>+15</sup>]. **bias** [KCC<sup>+14</sup>]. **Biased** [WL19]. **Big** [MLP<sup>+20</sup>]. **BigBus** [BPS19]. **Binarized** [HYA<sup>+20</sup>, SBR19]. **Binary** [CCWCC15, GCJ17, HM21, LLX<sup>+18</sup>a, NHL<sup>+17</sup>, SBR19, TR13]. **biochemical** [RBGC14]. **Biochips** [BMB18, GCB14, HRR19, LBB<sup>+18</sup>, MPM13, OGB18, CZ05, DJRM09, DDM<sup>+06</sup>, RMBC12, RBGC14, SC06, SC08, XHSC07, XC08, YYC07]. **BioFoundries** [DHK<sup>+23</sup>]. **Bioinformatics** [Gui13]. **Biological** [BBR<sup>+23</sup>]. **Biology** [Dea14, FHF14, HD14, MHW14, MSW14, OBLD14, VMV13]. **Biomedical** [LZCX22, MCH22]. **Biosequence** [GFZ13]. **Bit** [GZZ<sup>+21</sup>, LCSP14, LDZ22]. **Bit-plane** [LDZ22]. **Bit-Widths** [GZZ<sup>+21</sup>]. **Bitlet** [REL<sup>+22</sup>]. **Bitline** [LYWW13]. **Black** [HYPW22]. **Black-box** [HYPW22]. **Bladder** [MGS<sup>+12</sup>]. **Blind** [CVK15]. **Block** [CZQK15, ON15]. **Bluetooth** [EFRB22]. **Bluetooth-enabled** [EFRB22]. **Board** [PB21]. **Boards** [MGST22]. **Boltzmann** [YP17]. **bond** [XS14]. **Bonding** [KKC17]. **Boolean** [GKT<sup>+18</sup>, SWK<sup>+16</sup>]. **Bottom** [NLK<sup>+13</sup>]. **Bottom-up** [NLK<sup>+13</sup>]. **bound** [KHC<sup>+22</sup>]. **bounded** [PP21]. **box** [HYPW22]. **BPLight** [DCP<sup>+21</sup>]. **BPLight-CNN** [DCP<sup>+21</sup>]. **Brain** [BY18, KWWI17, WL22a]. **Brain-inspired** [BY18]. **Breaking** [WM24]. **Bridging** [LDPPB21]. **broad** [GN08]. **Brownian** [PLC<sup>+13</sup>]. **Budget** [TFZ<sup>+21</sup>]. **build** [KSB<sup>+08</sup>]. **buildable** [LRN05]. **Building** [BBR<sup>+23</sup>]. **Built** [CBK<sup>+22</sup>, IBO22, MRG22, CWL<sup>+13</sup>]. **Built-In** [MRG22, CBK<sup>+22</sup>, IBO22]. **Bulk** [BSS16]. **Bundled** [SMT<sup>+17</sup>]. **Bundled-Data** [SMT<sup>+17</sup>]. **Bundling** [SBR19]. **Bypass** [OYLL24, OYLL24]. **Cache** [ARD24, GB18, HAV<sup>+22</sup>, NLW<sup>+20</sup>, VSRR15, ZMC15, TJ13a]. **Caches** [ON15, PAB<sup>+17</sup>, SMT21, CWL<sup>+13</sup>]. **CAD** [FSDT23]. **Calculus** [DD14]. **Call** [SN10]. **Can** [ABM21, WGY21]. **Canonization** [GUP11]. **Capacity** [KXY16, TT21]. **Carbon** [DLWW08, GRPT13, HC15, LKK<sup>+22</sup>, HZY<sup>+12</sup>, MN06, SXL<sup>+12</sup>]. **Carry** [MGZ<sup>+17</sup>]. **Case** [AGD<sup>+20</sup>, PPM<sup>+13</sup>, SCT<sup>+22</sup>, HCTK08]. **Cash** [FMTP22]. **Causality** [MJ11]. **CBRAM** [MKSW17]. **CBRAM-Based** [MKSW17]. **Cell** [BCT<sup>+13</sup>, GG17, MGMU22, SFD17, XZR<sup>+22</sup>, SWJ07]. **Cell-based** [XZR<sup>+22</sup>]. **Cells** [CMJ14, DSB16, KCWL<sup>+16</sup>, MS17, CWL<sup>+13</sup>]. **Cellular** [DPB11, LLX<sup>+18</sup>b, TNWD20, XLW<sup>+18</sup>, CCTP08, DWL10]. **center**

[BPB<sup>+12</sup>, KMD12, SMR<sup>+12</sup>]. **centers** [AMVG12]. **Centric**  
 [KPPB17, NYL<sup>+20</sup>, GNY<sup>+22</sup>]. **CGRAs**  
 [JOF<sup>+15</sup>, TSÁ<sup>+24</sup>]. **Chain**  
 [MLP<sup>+20</sup>, GD12, WFCX09]. **chain-based**  
 [GD12]. **Challenges**  
 [BVM<sup>+19</sup>, FMP<sup>+21</sup>, Ko12, Nar05, Rez23,  
 RAG<sup>+25</sup>, MN06, YW13]. **Challenging**  
 [SMR<sup>+21</sup>]. **Change** [WZL16, JRC<sup>+13</sup>].  
**Channel** [ABM21, VDK<sup>+21</sup>, CDP17,  
 PYSJ22, PRV<sup>+20</sup>, ASK23, DDG<sup>+22</sup>,  
 DCSA22, MLW<sup>+23</sup>, RPBA21, RBHG21].  
**Characteristics** [KKKK18].  
**Characterization** [ASK23, AMA<sup>+14</sup>,  
 LCY19, NLW<sup>+20</sup>, TJ13b, KWFH12].  
**Charge** [RFDT15]. **Check** [LBJ<sup>+16</sup>].  
**Check-Pointing** [LBJ<sup>+16</sup>]. **Checking**  
 [KDW<sup>+25</sup>, MZR<sup>+14</sup>]. **Checks** [ABR<sup>+21</sup>].  
**chemically** [CNHL08]. **Chip**  
 [ASK23, BS21, VRBS16, BKJ19, Bis17,  
 Bis21, CLKG17, CMM<sup>+18</sup>, CZQK15,  
 CKC<sup>+18</sup>, CCW18, CTP14, DJ16, FNO<sup>+19</sup>,  
 GMGA23, KST<sup>+22</sup>, KDMT22, KK23,  
 LDK<sup>+18</sup>, LWM<sup>+14</sup>, LWY22, MSCS19,  
 OYLL24, PDL15, PRG<sup>+15</sup>, QCF<sup>+16</sup>, Rez23,  
 SCLW19a, TZS14, VK18, VSM19,  
 WXW<sup>+17</sup>, WM24, XYM18, ACM<sup>+20</sup>,  
 BPH<sup>+11</sup>, CLSD18, CDG<sup>+12</sup>, CWL<sup>+13</sup>,  
 CJ14b, CA11, DLL<sup>+19</sup>, GMM12, KMC<sup>+22</sup>,  
 LMC<sup>+11</sup>, LWX<sup>+14</sup>, SCLW19b, WVGP13,  
 ZFT13, ZXC10, PCD<sup>+11</sup>, YXW<sup>+12</sup>].  
**Chip-Level** [CCW18]. **Chips**  
 [CMK<sup>+21</sup>, TFR23, PHS<sup>+23</sup>]. **choices**  
 [Nar05]. **Chronic** [MGS<sup>+12</sup>]. **CIM**  
 [HVB22]. **Circuit**  
 [ACH<sup>+17</sup>, CJ16, DRSR14, GRPT13, GCJ17,  
 GB18, HSZM17, KHR<sup>+15</sup>, LZBW20, MCT18,  
 NPH18, PB21, SAAR20, TT20, TGCJ16,  
 TW22, TSMCB17, VAK18, ZLWB20, BJ10,  
 DLWW08, KCC<sup>+14</sup>, MRH12, MMJ09,  
 Moh12, SZSS10, XDX14, YWH<sup>+13</sup>].  
**Circuits**  
 [AUDS22, AMF<sup>+15</sup>, BM15, BS15, CYL25,  
 Che15, CV11, DDP20, DD14, DWK<sup>+16</sup>,  
 DNHL11, HM14, HLS14, HN12, JLL<sup>+17</sup>,  
 KZW<sup>+15</sup>, KDS24, KKC17, LKK<sup>+22</sup>,  
 LCSP14, MZR<sup>+14</sup>, MJ11, PP21, PLC<sup>+13</sup>,  
 RHB<sup>+20</sup>, SMZ<sup>+19</sup>, SM11, SMT<sup>+17</sup>, TJ13b,  
 TSB15, VGZ11, WWG<sup>+19</sup>, XZR<sup>+22</sup>, ZM22,  
 BCT<sup>+13</sup>, HZY<sup>+12</sup>, KT14, LRN05, LWH14,  
 LJ14, MHL08, MN06, PSM<sup>+06</sup>, Sek07,  
 TR10, TR13, WFCX09, XCF08]. **Circular**  
 [Bis21]. **Classical** [DD14, MMD<sup>+20</sup>].  
**Classification**  
 [BYHT18, JLL<sup>+17</sup>, KPPB17, NYL<sup>+20</sup>].  
**Classifier** [MSC<sup>+21</sup>]. **Classifiers**  
 [LQYL19, LDZ22]. **Clock**  
 [CH14, Che15, ANR<sup>+14</sup>, MRH12, XPD12].  
**Clock-Controlled** [Che15]. **Clock-Tree**  
 [CH14]. **Clocking** [PP21, SSF<sup>+15</sup>].  
**Clockless** [MJ11]. **Closed**  
 [CTT<sup>+20</sup>, SSN12]. **Closed-Loop** [SSN12].  
**Cloud**  
 [DHK<sup>+23</sup>, KK23, PHS<sup>+15</sup>, AMA<sup>+14</sup>]. **CLU**  
 [DK21]. **Cluster** [DBS<sup>+21</sup>, YYBK19].  
**Cluster-based** [DBS<sup>+21</sup>, YYBK19].  
**Clustering** [DRSR14]. **Clusters**  
 [PPM<sup>+13</sup>, RT07]. **CMOS**  
 [ASP<sup>+18</sup>, CB09, Che15, HN12, HLH<sup>+12</sup>,  
 KHR<sup>+15</sup>, MP10, Nar05, NAY24, RT07,  
 RYT<sup>+07</sup>, SCI<sup>+09</sup>, SXL<sup>+12</sup>, ZJS09a, ZJS09c,  
 ZJS09b, ZJS10, ZC07, MRR12].  
**CMOS-Memristive** [NAY24].  
**CMOS-nano** [CB09]. **CMOS/** [MRR12].  
**CMOS/molecular** [RYT<sup>+07</sup>]. **CMPs**  
 [GB18, SKRX13]. **CNFET**  
 [MGMU22, PFOL07]. **CNN**  
 [DCP<sup>+21</sup>, KPM22]. **Co**  
 [GKT<sup>+18</sup>, IGGR19, KKY<sup>+20</sup>]. **Co-design**  
 [IGGR19]. **Co-optimization** [KKY<sup>+20</sup>].  
**Co-Processor** [GKT<sup>+18</sup>]. **Code**  
 [CKA23, HH11, LPW18]. **Code-based**  
 [CKA23]. **Codesign** [WXW<sup>+17</sup>]. **Cofactor**  
 [SSP14]. **Cognitive** [KZL15]. **Coherent**  
 [GB18]. **Color** [LM13]. **Combating**  
 [LPW18]. **Combination** [VMV13].  
**Combinational** [SBR19]. **combined**  
 [ZFT13]. **Communication**

- [KDMT22, KK23, LGL15, NVW<sup>+</sup>22, WM24, LMC<sup>+</sup>11, SX11]. **Community** [HIH18]. **Compact** [JMKM21, SCT<sup>+</sup>22, DLWW08]. **Comparative** [DDR<sup>+</sup>16a, JLL<sup>+</sup>17, KWC<sup>+</sup>20, KST<sup>+</sup>22, KCWL<sup>+</sup>16]. **Compare** [REL<sup>+</sup>22]. **Comparison** [LLSO17, PYSJ22]. **Compartmentalization** [RD22]. **Compatible** [KCD15, KCC<sup>+</sup>14]. **compensation** [MRH12]. **Competitive** [KSA<sup>+</sup>22, KHC<sup>+</sup>22]. **Compilation** [HFLZ22, NPS<sup>+</sup>20]. **Compiler** [LKK<sup>+</sup>22, RBG<sup>+</sup>22]. **Compilers** [SPS<sup>+</sup>24]. **complete** [WWG<sup>+</sup>19]. **completion** [MNT14]. **Complex** [PSY<sup>+</sup>18, TT21, WVGP13]. **Complexity** [MCH22, SGR<sup>+</sup>12]. **Component** [AHPC21]. **Components** [Mit17]. **Composable** [MHW14, ZCDD19]. **Comprehensive** [RAG<sup>+</sup>25, VOB19]. **Compressing** [TFZ<sup>+</sup>21]. **Compression** [MCH22]. **Compressive** [QGW20]. **Compressors** [GP17]. **Computation** [AL17, CVK15, HVB22, HSZM17, MSB<sup>+</sup>22, MMD<sup>+</sup>20, TNWD20, YLF<sup>+</sup>17, ZLB<sup>+</sup>22, YWH<sup>+</sup>13, WDT14]. **Computation-In-Memory** [HVB22, MSB<sup>+</sup>22, ZLB<sup>+</sup>22]. **Computational** [KHC<sup>+</sup>22, MSW14, TT21]. **Computations** [MDS21]. **Compute** [WWZ<sup>+</sup>22]. **Compute-in-Memory** [WWZ<sup>+</sup>22]. **Computed** [XYJ<sup>+</sup>21, XZL<sup>+</sup>21]. **Computer** [AVK16, EDZ<sup>+</sup>23, GNY<sup>+</sup>22, WZL16, CV12]. **Computers** [JRLR15, PSY<sup>+</sup>18, SCT<sup>+</sup>22]. **Computing** [Ano18, ASP<sup>+</sup>18, BY18, BOAC<sup>+</sup>20, BH17, CYL25, CQZ<sup>+</sup>21, DMYT15, EDCL<sup>+</sup>22, FYJ<sup>+</sup>17, FSD22, GIS<sup>+</sup>22, HN15, JRLR15, KZL15, KKK22, KWWI17, LGL15, LP17, Mit16, MS20, NLL<sup>+</sup>17, NV14, NYL<sup>+</sup>20, NHL<sup>+</sup>17, PAF18, RCYB22, SJKS20, SCL17, SMR23, SVA<sup>+</sup>18, SBR19, SDSS14, SK16, SHB<sup>+</sup>21, SPR18, TTS22, TSMCB17, TV17, VAK18, WYZ<sup>+</sup>20, WD22, XNK18, ZSPC19, ZK18, AMA<sup>+</sup>14, KMD12, KT14, MHL08, McK07, PG12, VO06, WZSC09, WDH<sup>+</sup>09, YW13]. **Computing-In-Memory** [KKK22, WYZ<sup>+</sup>20]. **CONCEALING** [RDM<sup>+</sup>21]. **CONCEALING-Gate** [RDM<sup>+</sup>21]. **Conditional** [PSR17]. **Configuration** [Bis17]. **configuring** [RT08]. **Congenital** [XYJ<sup>+</sup>21]. **Congestion** [MKW<sup>+</sup>14, RMBC12]. **Congestion-Aware** [MKW<sup>+</sup>14, RMBC12]. **Connected** [AGD<sup>+</sup>20]. **Connections** [LKC15]. **Connectivity** [OYLL24]. **Conservative** [PPM<sup>+</sup>13]. **consideration** [LWH14]. **Considerations** [MRR12, UMB<sup>+</sup>18, ZM22, BJ10, WOW<sup>+</sup>10]. **Considering** [CYL25, RYT<sup>+</sup>07, SLS<sup>+</sup>14]. **Consistent** [XZL<sup>+</sup>21]. **Constants** [Mog14]. **Constrained** [OGB18, SCLW19b, SCLW19a, TSA<sup>+</sup>24, TMG<sup>+</sup>21, XHSC07]. **Constraint** [HMC25, WXW<sup>+</sup>17]. **Constraint-Aware** [HMC25]. **Constraints** [CCH16, CNHL08, XHSC07]. **Constructions** [CKA23]. **Consumption** [FC18, LBJ<sup>+</sup>16, LYWW13]. **Contactless** [RDM<sup>+</sup>21]. **Content** [GG17]. **Contradictory** [DWK<sup>+</sup>16]. **Control** [GYM<sup>+</sup>17, GCB14, QGW20, RSD23b, ZXC10]. **control-path** [ZXC10]. **Controllable** [MGZ<sup>+</sup>17]. **Controllable-Polarity** [MGZ<sup>+</sup>17]. **Controlled** [Che15, DNHL11, HZSA14, MSB<sup>+</sup>22, SXL<sup>+</sup>12]. **Controllers** [ARD24]. **Converter** [Tzs14]. **Convolution** [HYA<sup>+</sup>20, KPM22, SPR18]. **Convolution-over-time** [SPR18]. **Convolutional** [AHS17, DK21, KRP<sup>+</sup>21, LLX<sup>+</sup>18a, LPM<sup>+</sup>19, ORC<sup>+</sup>24, PJSM17, PSL<sup>+</sup>19, TZR20, ZH20]. **Coprocessor** [ASP<sup>+</sup>18]. **Core** [BKJ19, DMYT15, KDMT22, KPFM16, Rez23, YWF18, DJH<sup>+</sup>19]. **correlated** [MLW<sup>+</sup>23]. **Correlation** [AAFM13, WM24]. **Cortically** [DBS<sup>+</sup>21]. **Cosine** [DBG<sup>+</sup>14, KSA<sup>+</sup>22]. **COSMO** [GIS<sup>+</sup>22].

- CosMoS** [PJT25]. **Cost** [GLL<sup>+</sup>21a, GCJ17, HSZM17, KXY16, KHC<sup>+</sup>22, LCSP14, LNL19, MRG22, PJT25, LBGR08, TR10]. **Cost-competitive** [KHC<sup>+</sup>22]. **Cost-Effective** [MRG22, PJT25]. **Cost-Efficient** [GLL<sup>+</sup>21a]. **count** [MCT18]. **Counter** [HON21]. **Counterfeit** [TFR23]. **Countering** [LYEK22]. **Countermeasure** [BBB<sup>+</sup>16, GCTF20]. **Countermeasures** [DLTSNA20]. **Counting** [VAK18]. **Coupled** [GKT<sup>+</sup>18, YLF<sup>+</sup>17, WWG<sup>+</sup>19]. **Coupling** [AGR<sup>+</sup>23, KKC17]. **COVID** [KKNM22]. **COVID-19** [KKNM22]. **CPDI** [XDX14]. **CPU** [REL<sup>+</sup>22]. **Critical** [CWT14, SPS<sup>+</sup>24, SHAC19]. **Critical-reliability** [CWT14]. **Criticality** [DRL<sup>+</sup>19, WDG<sup>+</sup>20, YWH<sup>+</sup>13]. **Cross** [BS15, DDG<sup>+</sup>22, DKK<sup>+</sup>15, KWC<sup>+</sup>20, KST<sup>+</sup>22, KKY<sup>+</sup>20, LYWW13, PRG<sup>+</sup>15, SS15, ZGSA15, XDX14]. **Cross-bar** [KKY<sup>+</sup>20]. **Cross-device** [DDG<sup>+</sup>22]. **Cross-Layer** [BS15, DKK<sup>+</sup>15, KST<sup>+</sup>22, PRG<sup>+</sup>15, SS15, ZGSA15, KWC<sup>+</sup>20]. **Cross-Point** [LYWW13]. **cross-power** [XDX14]. **Crossbar** [BSL<sup>+</sup>18, CYL25, KZL15, LLSO17, MZZ23, NHL<sup>+</sup>17, UMB<sup>+</sup>18, WDW13, WRWW17, YL14, ZJK22, ZH20, ZK18, CQZK14, Tah09, ZMT13]. **Crossbar-based** [ZH20]. **Crossbars** [MS19, PDL15]. **Crossover** [RHB<sup>+</sup>20]. **Crossover-aware** [RHB<sup>+</sup>20]. **Crosstalk** [SMR23]. **Crypsis** [GSC17]. **Crypto** [PHS<sup>+</sup>23]. **Crypto-analysis** [PHS<sup>+</sup>23]. **Cryptographic** [ABR<sup>+</sup>21, RSBA23]. **Cryptography** [CHA20]. **Cryptosystems** [CKA23]. **Crystal** [EDCL<sup>+</sup>22]. **CSMO** [WDG<sup>+</sup>20]. **CT** [KBC<sup>+</sup>23]. **Cubes** [DRSR14]. **Current** [AMH<sup>+</sup>24, KKKK18, MGK18, RFDT15]. **Current-Voltage** [KKKK18]. **Cyber** [LBB<sup>+</sup>18]. **Cyber-Physical** [LBB<sup>+</sup>18]. **Cycle** [FSDT23, XZL<sup>+</sup>21, ZF15, SZSS10]. **Cycle-Accurate** [ZF15]. **cycle-based** [SZSS10]. **Cycles** [JRLR15]. **cycling** [GD12]. **D** [CV12, ARLB18, AGD<sup>+</sup>20, BAT<sup>+</sup>22, VRBS16, BLKM23, BCT<sup>+</sup>13, CKC<sup>+</sup>18, CMK<sup>+</sup>21, CJ14a, CBK<sup>+</sup>22, CH14, CRKP22, FRB08, HYWA09, KSB<sup>+</sup>08, KYEB15, KKC17, KWWI17, LKC15, LDK<sup>+</sup>18, LKK<sup>+</sup>22, LDP<sup>+</sup>20, MRG22, SCL17, SKRX13, TJ13b, TTS22, TZS14, VOB19, WL22a, XLBB06, XCF08, XDX14, XPD12, ZJS10, ZMC15, ZCB<sup>+</sup>22]. **D-IC** [BLKM23, CH14]. **D-NoC** [VOB19]. **D-ReG** [LDP<sup>+</sup>20]. **DAC** [CS07, LC08]. **DAHM** [AMVG12]. **Dark** [KDMT22]. **Data** [ACM<sup>+</sup>20, FHF14, NLW<sup>+</sup>20, PSM<sup>+</sup>06, PJT25, SMT<sup>+</sup>17, SCZ<sup>+</sup>12, VTKT22, ZPL<sup>+</sup>20, AMVG12, ABS<sup>+</sup>12, BPB<sup>+</sup>12, KMD12, SMR<sup>+</sup>12, ZJS09a, VTKT22]. **Dataflow** [GLL<sup>+</sup>21b]. **Dataset** [JDPH<sup>+</sup>23]. **DC** [TZS14]. **DCT** [BBB<sup>+</sup>22]. **DDRx** [HTMH18]. **De-obfuscation** [GCTF20]. **Deadline** [SN10]. **Deadlock** [LKC15]. **Deadlock-Free** [LKC15]. **decimal** [Gla14]. **Decipher** [JMJKM21]. **decision** [LJ14]. **Decomposition** [HZSA14]. **Deep** [ASMK22, AHS17, ATW<sup>+</sup>22, AAO21, CKC<sup>+</sup>18, CQZ<sup>+</sup>21, CMZR23, DCP<sup>+</sup>21, DDG<sup>+</sup>22, DEW<sup>+</sup>23, HHD<sup>+</sup>23, KKKK18, KMC<sup>+</sup>22, LDP<sup>+</sup>20, LDZ22, PSR17, PAP<sup>+</sup>22, PSY<sup>+</sup>18, RBHG21, RGB<sup>+</sup>22, SM19, SMR<sup>+</sup>21, STNP21, TWLL19, WL22a, YLR<sup>+</sup>23]. **DeepPeep** [JMJKM21]. **Defect** [FCR23, GUP11, WDW13, WHL<sup>+</sup>21, YL14, DWL10, PDL07, SCI<sup>+</sup>09, Tah06, Tah09, TWL09, XC08, YYC07]. **Defect-Aware** [GUP11]. **Defect-Free** [YL14]. **defect-tolerant** [YYC07, ZMT13]. **defect/error** [TWL09]. **defect/error-tolerant** [TWL09]. **Defects** [CHN09, FMW<sup>+</sup>22, KKC17, MRG22]. **Defending** [LDZ22]. **Defenses** [BGX<sup>+</sup>21]. **Defined** [HMC25]. **degradation** [Edi14, SLS<sup>+</sup>14]. **Delay** [BY18, CMJ14,

CKWK18, Gla14, GCTF20, KKC17, LMM18, SMT<sup>+</sup>17, TGCJ16, CWT14, TR10]. **Delay-based** [Gla14, GCTF20]. **Delay/Power** [TGCJ16]. **Delivery** [HLH<sup>+</sup>12, WXW<sup>+</sup>17, ZSXY11, ZS08]. **Demand** [HLH<sup>+</sup>12]. **Denoising** [XZL<sup>+</sup>21]. **Dense** [SBR19]. **Denser** [RMW<sup>+</sup>17]. **dependability** [PUBV07, TG07]. **Dependence** [NPA<sup>+</sup>12]. **Dependent** [AMF<sup>+</sup>15, ZWL<sup>+</sup>15, LYI19]. **Deployment** [PJSM17]. **Deposited** [LLSO17, BPH<sup>+</sup>11]. **Depth** [HYA<sup>+</sup>20, PP21, CV12]. **Depth-bounded** [PP21]. **Depth-wise** [HYA<sup>+</sup>20]. **Depthwise** [KRP<sup>+</sup>21]. **Depthwise-Separable** [KRP<sup>+</sup>21]. **Descent** [HHD<sup>+</sup>23]. **Describing** [KAB<sup>+</sup>21]. **Design** [ASB<sup>+</sup>21, AMH<sup>+</sup>24, ACH<sup>+</sup>17, AHS22, AGR<sup>+</sup>23, BBB<sup>+</sup>22, BKJ19, BSY<sup>+</sup>16, CZ05, CYL25, CJ16, CTP14, CTT<sup>+</sup>20, DKK<sup>+</sup>15, DRL<sup>+</sup>19, FSDT23, GRPT13, GP17, GG17, GJ17, HM14, JMKM21, JWJ<sup>+</sup>17, KBT24, KDW<sup>+</sup>25, KHC<sup>+</sup>22, KT20, LPB<sup>+</sup>15, LDK<sup>+</sup>18, LPW18, LML<sup>+</sup>19, LZBW20, LZCX22, MRR12, MSB<sup>+</sup>22, MS20, MCT18, NPH18, NV14, OBLD14, OYLL24, PCD<sup>+</sup>11, PUBV07, RDM<sup>+</sup>21, Rez23, SFD17, SAAR20, SDSS14, SS15, SN11, TJ13a, TR10, TR13, TTS22, TSB15, TSMCB17, UMB<sup>+</sup>18, WOW<sup>+</sup>10, WD22, XLBB06, XZR<sup>+</sup>22, ZJK22, ZJS09a, ZLWB20, ZSPC19, ZCB<sup>+</sup>22, ZGSA15, dLBHC22, BJ10, BCT<sup>+</sup>13, CB09, CDG<sup>+</sup>12, CJ14b, CNHL08, DMR06, DLWW08, Gla14, GRS05, HMS<sup>+</sup>05, HZY<sup>+</sup>12, IGGR19, KP10, LBGR08, LMC<sup>+</sup>11, MLK<sup>+</sup>08, MRH12, MN06, Nar05, OSLT06, RMBC12, SXL<sup>+</sup>12, WFCX09, XDX14, XHSC07, ZC07, ZXC10, ZJS09c]. **design-considerations** [BJ10]. **Design-time** [AMH<sup>+</sup>24]. **Designing** [AVK16, ARD24, DBG<sup>+</sup>14, RYT<sup>+</sup>07, TKBM12]. **Designs** [ACJ17, FNO<sup>+</sup>19, SM19, TZS14, ANR<sup>+</sup>14, ZS08]. **Detect** [JWJ<sup>+</sup>17, TFR23]. **Detecting** [JCK23]. **Detection** [ABM21, ATW<sup>+</sup>22, BYHT18, CKWK18, DRG21, GLL<sup>+</sup>21a, HIH18, KBC<sup>+</sup>23, KPFM16, LPM<sup>+</sup>25, MGMU22, MLP<sup>+</sup>20, MKG<sup>+</sup>23, SGR<sup>+</sup>12, TW22, ZFT13]. **Detection-Based** [KBC<sup>+</sup>23]. **Detector** [LTkp16]. **Detector-Based** [LTkp16]. **Development** [FMW<sup>+</sup>22]. **Device** [BJ10, CJ14a, EFRB22, HVB22, HD14, LZBW20, SAAR20, YJ18, ZLWB20, ZK19, DDG<sup>+</sup>22, Edi14, RYT<sup>+</sup>07]. **Device-aware** [SAAR20]. **Device-Type** [YJ18]. **Devices** [ALY<sup>+</sup>21, BOAC<sup>+</sup>20, CKB20, GBLD15, KT20, LZCX22, MZZ23, NPA<sup>+</sup>12, PDL15, STSG17, TFZ<sup>+</sup>21, TMG<sup>+</sup>21, JRC<sup>+</sup>13, MHL08, RT08, YW13]. **DFR** [BY18]. **Diagnosis** [WHL<sup>+</sup>21, DJRM09, DDM<sup>+</sup>06]. **Diagonal** [HZSA14]. **diagram** [LJ14]. **Diamond** [ATW<sup>+</sup>22, LPM<sup>+</sup>25]. **Digit** [KSA<sup>+</sup>22]. **Digital** [BMTP24, BMB18, Che15, GLL<sup>+</sup>21a, GCB14, HM14, HLS14, IBO22, KZL15, LBB<sup>+</sup>18, MPM13, OGB18, DJRM09, DDM<sup>+</sup>06, KT14, LZCX22, RMBC12, RBGC14, SC08, XHSC07, XC08, YYC07, ZXC10]. **Digital-Microfluidic** [LBB<sup>+</sup>18]. **dilution** [RBGC14]. **Dimension** [ST20]. **Dimensional** [GUP11, RAC<sup>+</sup>24, MLK<sup>+</sup>08, WFCX09, XS14]. **DINOS** [VTKT22]. **diode** [BJ10, DMR06]. **diode-based** [DMR06]. **diodes** [LM13]. **Directed** [CKB20]. **Direction** [HMP<sup>+</sup>22]. **Direction-aggregated** [HMP<sup>+</sup>22]. **Directional** [NVW<sup>+</sup>22]. **Disaggregated** [PJT25]. **Disassembly** [PRV<sup>+</sup>20]. **Disease** [XYJ<sup>+</sup>21]. **displacements** [SWJ07]. **dissipation** [MHL08]. **Distance** [CV11, TT20]. **Distributed** [AAO21, LGYC21, NHL<sup>+</sup>17, AMVG12, STA<sup>+</sup>12, VMNI08]. **distributed-memory** [VMNI08]. **Distribution** [MGST22, RSBA23, XPD12]. **Disturbance** [ZCX<sup>+</sup>17]. **Diverse** [OK22]. **Division** [XLL<sup>+</sup>18]. **DL** [DDG<sup>+</sup>22]. **DMAC** [RSD23b]. **DNA** [MT14, SKB13, VTKT22]. **DNN**

[HYA<sup>+</sup>20, LTO22, MMAAK23, SPS<sup>+</sup>24]. **DNNs** [JMKM21]. **Domain** [KWC<sup>+</sup>20, Mit17, SBZT20, XDX14]. **Domain-Wall** [Mit17, SBZT20]. **Dormant** [DRG21]. **Dot** [DPB11, TNWD20, DWL10, WDH<sup>+</sup>09]. **DPA** [DLTSNA20, ZJ11]. **DRAM** [ARD24, YYBK19]. **DRAM-Flash** [YYBK19]. **DRAMs** [BJ10]. **Driven** [LHW<sup>+</sup>17, BGX<sup>+</sup>21, GMM12, WDG<sup>+</sup>20, XS14]. **driver** [HCTK08]. **Droplet** [GHHW19, HRR19, MPM13, XHSC07, XC08]. **Droplet-Aware** [MPM13]. **droplet-interference** [XHSC07]. **Dropout** [IBO22]. **Drug** [HLH<sup>+</sup>12]. **DSE** [WDG<sup>+</sup>20]. **DSP** [TWL09]. **DTA** [TMG<sup>+</sup>21]. **DTA-PUF** [TMG<sup>+</sup>21]. **Dual** [DLTSNA20, MFA<sup>+</sup>13, PAF18, PP21, YJ18, MP10]. **dual** [MP10]. **Dual-Mode** [PAF18]. **Dual-Rail** [DLTSNA20]. **Durable** [BGX<sup>+</sup>21]. **duty** [GD12]. **DVFS** [MKW<sup>+</sup>14, ZF15]. **DWT** [SGR<sup>+</sup>12]. **Dynamic** [CThG15, GB18, JOF<sup>+</sup>15, MRH12, MEHT21, QGW20, SMT21, SHB<sup>+</sup>21, TMG<sup>+</sup>21, YMWH21, ZMC15, AMVG12, DLL<sup>+</sup>19, WWJ09]. **Dynamically** [AIK21, ZJS09a, ZJS09c, ZJS09b, ZJS10]. **Early** [Ko12, XLW<sup>+</sup>18, ZJK22, ZGSA15]. **Early-Stage** [ZGSA15]. **Easy** [DDR<sup>+</sup>16b]. **ECC** [PFRR17]. **ECDSA** [BBB<sup>+</sup>16]. **ECG** [SCZ<sup>+</sup>12, ZBF<sup>+</sup>22]. **Ecosystem** [OK22]. **Edge** [CQZ<sup>+</sup>21, KK23, MZZ23, MGMU22, SPS<sup>+</sup>24, XZL<sup>+</sup>21]. **Editor** [CLKG17, SCLW19a, Ano18]. **Editorial** [CS07, Cha10, CFK22, HVB22, IN05, JHPG22, Kar20, McK07, Nar08, SLCJ22, SK16, TSB15, TSMCB17, TV17, XCF08, ZLWB20, Shu09]. **Editors** [CLSD18, FNO<sup>+</sup>19, GMGA23, SCLW19b]. **EEG** [KRP<sup>+</sup>21]. **Effect** [CV11, LYWW13, XPD12, HZY<sup>+</sup>12]. **Effective** [MRG22, MKG<sup>+</sup>23, PJT25, ZBF<sup>+</sup>22]. **Effects** [CYL25, MLK<sup>+</sup>08]. **Efficiency** [CMM<sup>+</sup>18, LLSO17, TKBM12, YMWH21, ZS08]. **Efficient** [BYHT18, CQL21a, CQL21b, CRKP22, DDG<sup>+</sup>22, DJRM09, GLL<sup>+</sup>21a, GLL<sup>+</sup>21b, HN12, HHD<sup>+</sup>23, KDMT22, KDW<sup>+</sup>25, KT20, LKC15, LPW18, LMZZ24, MGMU22, MMAAK23, NV14, NAY24, PJS17, PSR17, PAF18, RSD23b, SVA<sup>+</sup>18, SMT21, SDSS14, SMT<sup>+</sup>17, SPR18, TZR20, VSRR15, WGY21, XLW<sup>+</sup>18, ANR<sup>+</sup>14, BY18, BS21, GD12, KSB<sup>+</sup>08, LML<sup>+</sup>19, LYL19, MS20, MSC<sup>+</sup>21, PT12, TR13, XZR<sup>+</sup>22, SM11]. **Elastic** [PHS<sup>+</sup>15, ZM22]. **Elasticity** [GOGCK11]. **Electric** [RFDT15]. **Electrical** [YLR<sup>+</sup>23]. **Electro** [ACJ17, DEW<sup>+</sup>23]. **Electro-Photonic** [ACJ17, DEW<sup>+</sup>23]. **Electroencephalography** [TKBM12]. **Electrograms** [ZBF<sup>+</sup>22]. **Electromagnetics** [CFK22]. **Electron** [CEW<sup>+</sup>13, CCH16, WHL<sup>+</sup>21, HYWA09]. **Electronic** [MGST22, YXW<sup>+</sup>12, JRC<sup>+</sup>13]. **Electronics** [BY12, CFK22, Ko12, HCTK08, WZSC09]. **Electrostatic** [GPW<sup>+</sup>15, KKC17]. **electrostatics** [KTW08]. **Electrothermal** [CSKM13, HLH<sup>+</sup>12]. **Element** [SMT<sup>+</sup>17]. **elements** [CW08]. **EM-X-DL** [DDG<sup>+</sup>22]. **Embedded** [FKM22, JCK23, JWJ<sup>+</sup>17, LBJ<sup>+</sup>16, SMR23, TZR20, WHB<sup>+</sup>21, MCT10]. **Embedding** [HIH18, SWK<sup>+</sup>16]. **Embryonics** [TMM<sup>+</sup>07]. **Emerging** [BSY<sup>+</sup>16, DMYT15, DLTSNA20, FMP<sup>+</sup>21, FNO<sup>+</sup>19, GBLD15, KZW<sup>+</sup>15, KBM21, MSB<sup>+</sup>22, MAC<sup>+</sup>21, MPR<sup>+</sup>22, TSB15, WZSC09, BC08, Edi14, PUBV07]. **Employing** [KST<sup>+</sup>22]. **Emulation** [RCYB22]. **Enabled** [CDP17, Rez23, EFRB22, NVW<sup>+</sup>22, WVGP13]. **Encoder** [QGW20]. **Encoding** [ZWL<sup>+</sup>15]. **End** [FKM22]. **End-to-End** [FKM22]. **Energy** [ACH<sup>+</sup>17, BY18, CMM<sup>+</sup>18, CRKP22, DNHL11, GD12, KT20, LPB<sup>+</sup>15, LKC15, LLSO17, LML<sup>+</sup>19, LMZZ24, LYWW13,

- LJL18, LYI19, MS20, NLW<sup>+</sup>20, NAY24, PFRR17, PSR17, PAF18, RFDT15, SVA<sup>+</sup>18, SCLW19b, SCLW19a, STA<sup>+</sup>12, SMT<sup>+</sup>17, SPR18, TKBM12, TNWD20, VSRR15, ZSXY11, KMD12, KSB<sup>+</sup>08, KP10, MHL08, MCT10, SMR<sup>+</sup>12, WOW<sup>+</sup>10, WCSA10, SM11]. **Energy-** [STA<sup>+</sup>12]. **energy-adaptive** [KMD12]. **Energy-Constrained** [SCLW19b, SCLW19a]. **Energy-Efficiency** [LLSO17]. **Energy-Efficient** [CRKP22, KT20, LKC15, LMZZ24, NAY24, PSR17, SVA<sup>+</sup>18, SMT<sup>+</sup>17, SPR18, VSRR15, BY18, GD12, LML<sup>+</sup>19, LYI19, MS20, SM11]. **Energy-Neutral** [LPB<sup>+</sup>15]. **enforced** [RD22]. **Engine** [ERGK21, KWG<sup>+</sup>20, ZK18]. **Engineering** [BWL<sup>+</sup>21, CCW18, QCF<sup>+</sup>16]. **Engines** [AL17, WWZ<sup>+</sup>22]. **Enhanced** [AHS22, PYSJ22]. **enhancement** [SC06]. **Enhancing** [FMTTP22, KMD12]. **Ensembles** [WGY21]. **Entanglement** [ST20]. **Environment** [RNN<sup>+</sup>22, OSLT06]. **Epidemiology** [KKNM22]. **Epilepsy** [SSN12]. **Epileptic** [SGR<sup>+</sup>12]. **equation** [KTW08]. **Equivalence** [KDW<sup>+</sup>25]. **Era** [KDMT22, MAC<sup>+</sup>21, SMR<sup>+</sup>21, TSMCB17]. **Error** [AHHS21, CYL25, GYM<sup>+</sup>17, NPS<sup>+</sup>20, LWX<sup>+</sup>14, ZXC10]. **Error-Aware** [CYL25, NPS<sup>+</sup>20]. **Error-Tolerant** [GYM<sup>+</sup>17, TWL09]. **Errors** [LPW18, SKRX13]. **ESN** [GLL<sup>+</sup>21a]. **ESOP** [DRSR14]. **Estimation** [CMJ14, GCJ17]. **Eternal** [RSD<sup>+</sup>23a]. **Eternal-thing** [RSD<sup>+</sup>23a]. **Eucalyptus** [AMA<sup>+</sup>14]. **Evaluating** [CMZR23, RT07, SJKS20]. **Evaluation** [CTP14, DRL<sup>+</sup>19, GRS05, IBO22, JLL<sup>+</sup>17, MKW<sup>+</sup>14, WGY21, CDG<sup>+</sup>12]. **Events** [KWG<sup>+</sup>20]. **EVHA** [AML<sup>+</sup>23]. **Evolutionary** [HM14, Sek07]. **Evolving** [TG07]. **Exact** [TSÁ<sup>+</sup>24]. **Examples** [HMP<sup>+</sup>22, HYPW22]. **Exascale** [DMYT15]. **Execution** [MPM13]. **Existing** [WWC23]. **Exit** [XLW<sup>+</sup>18]. **Explainable** [AML<sup>+</sup>23]. **Explained** [MLP<sup>+</sup>20]. **Explicit** [ABR<sup>+</sup>21]. **Exploiting** [ACM<sup>+</sup>20, DK21, JMKM21, KXY16, KDS24, SLC<sup>+</sup>17, VDB<sup>+</sup>16]. **Exploits** [WYZ<sup>+</sup>20]. **Exploration** [LDK<sup>+</sup>18, WKL16, ZJK22, TJ13a, XLBB06, ZJS09a, ZC07]. **Exploring** [KAB<sup>+</sup>21, RD22, SKRX13]. **Extended** [KDS24, PPM<sup>+</sup>13]. **Extensible** [KAKSP14]. **Extension** [MMD<sup>+</sup>20]. **Extracting** [NPS<sup>+</sup>20]. **Extraction** [YL14]. **Extractor** [RFDT15]. **Extreme** [KKK22]. **F** [OYLL24]. **F-Bypass** [OYLL24]. **Fabric** [DPB11]. **Fabrication** [CCH16, VDB<sup>+</sup>16]. **Fabrication-Induced** [VDB<sup>+</sup>16]. **Fabrics** [NLK<sup>+</sup>13]. **Failure** [KYEB15, KKY<sup>+</sup>20, PFRR17, VAK18]. **Failure-Aware** [PFRR17]. **Fast** [KBC<sup>+</sup>23, SMT21, SKB13, WDG<sup>+</sup>20, YL14, ZCSG21]. **Fault** [ABR<sup>+</sup>21, BBB<sup>+</sup>16, BKJ19, CBK<sup>+</sup>22, CVK15, DJ16, FMW<sup>+</sup>22, HH11, IBO22, JCK23, JWJ<sup>+</sup>17, LDPPB21, LCK19, MGZ<sup>+</sup>17, PHS<sup>+</sup>23, SLC<sup>+</sup>17, VAK18, DDM<sup>+</sup>06, SCI<sup>+</sup>09]. **Fault-Based** [BBB<sup>+</sup>16, IBO22]. **Fault-Injection** [JCK23, PHS<sup>+</sup>23]. **Fault-Tolerant** [BKJ19, CVK15, DJ16, HH11, LCK19, MGZ<sup>+</sup>17, ABR<sup>+</sup>21]. **faults** [CHN09]. **Feature** [SPR18]. **Feedback** [BY18]. **Ferroelectric** [LWY22]. **Ferroelectric-Based** [LWY22]. **Field** [AGR<sup>+</sup>23, ATW<sup>+</sup>22, BMB18, KR18, NPA<sup>+</sup>12, WWG<sup>+</sup>19, HZY<sup>+</sup>12]. **Field-coupled** [WWG<sup>+</sup>19]. **Field-Coupling** [AGR<sup>+</sup>23]. **field-effect** [HZY<sup>+</sup>12]. **Fields** [CThG15]. **File** [WX15]. **Files** [ZCX<sup>+</sup>17]. **Fin** [BSS16]. **Fine** [BLKM23, SMT<sup>+</sup>17, MLK<sup>+</sup>08]. **Fine-Grain** [SMT<sup>+</sup>17, MLK<sup>+</sup>08]. **Fine-grained** [BLKM23]. **FinFET** [BJ10, BSS16, CMJ14, CJ14a, CJ14b, CJ15, DLTSNA20, FCR23, GJ17, KCWL<sup>+</sup>16, LJ10, MMJ09, SSF<sup>+</sup>15, TJ13a, TJ13b, TGCJ16, YJ18, ZJ11].

- FinFET-Based** [SSF<sup>+</sup>15, ZJ11, LJ10].  
**FinFETs** [CJ16, GVRR17, GJ17].  
**Fingerprinting** [Bis21]. **Firmware** [FKM22]. **Flash** [HC15, YYBK19]. **Flexible** [BKJ19, KRP<sup>+</sup>21, MMAAK23, PAF18, HCTK08, LWH14]. **Flip** [AM18].  
**Flip-N-Write** [AM18]. **Floating** [HC15, NV14]. **Flow** [GCB14, WM24, ZPL<sup>+</sup>20, DMR06, ZJS09c].  
**Fluidic** [WWC23]. **fluids** [RBGC14]. **Fluig** [HD14]. **fly** [IASK20]. **Folding** [MMAAK23]. **Forest** [MPZ21]. **Form** [CTT<sup>+</sup>20]. **Formal** [CCTP08, GYM<sup>+</sup>17].  
**Formalizing** [FHK14]. **formulation** [YYC07]. **formulations** [ZMT13].  
**Fortifying** [LTM22]. **FPGA** [AHPC21, AHS22, BRZ21, CKA23, GLL<sup>+</sup>21a, HON21, LLX<sup>+</sup>18a, LLX<sup>+</sup>18b, LYI19, LMM18, RCYB22]. **FPGA-Based** [LLX<sup>+</sup>18b, AHS22, HON21, RCYB22].  
**FPGAs** [AAO21, RT07, ZPL<sup>+</sup>20]. **FPIC** [JDPH<sup>+</sup>23]. **Framework** [CJ15, FKM22, FMW<sup>+</sup>22, HFLZ22, KAS<sup>+</sup>22, KBC<sup>+</sup>23, KPFM16, LPB<sup>+</sup>15, LH20, LLX<sup>+</sup>18b, NPH18, PRG<sup>+</sup>15, RCYB22, SDSS14, XYJ<sup>+</sup>21, ZJK22, MCT10]. **Fredkin** [DJ08]. **Free** [DBG<sup>+</sup>14, GLMG<sup>+</sup>15, LKC15, Mog14, WRWW17, YL14]. **Frequency** [CFK22, EFRB22, JOF<sup>+</sup>15, KAKSP14, LTKP16]. **Frontiers** [CLSD18]. **Frontside** [DDR<sup>+</sup>16a]. **Full** [MGMU22]. **Fully** [CCWCC15, KXY16, TZR20]. **Function** [LQYL19, TMG<sup>+</sup>21]. **Functional** [GCO<sup>+</sup>11, Sek07]. **Functions** [DDR<sup>+</sup>16b, FSD22, LTM22, SWK<sup>+</sup>16, UMB<sup>+</sup>18, PT12].  
**Fundamentals** [PLC<sup>+</sup>13]. **Fusing** [ORC<sup>+</sup>24]. **Future** [BLKM23, DLTSNA20, GMGA23, KAB<sup>+</sup>21, RSD23b, CA11, MN06].  
**GALS** [PCD<sup>+</sup>11]. **Gap** [LDPPB21].  
**Garbage** [DBG<sup>+</sup>14, Mog14, TR10].  
**Garbage-Free** [DBG<sup>+</sup>14, Mog14].  
**GARDENIA** [XCS<sup>+</sup>19]. **gas** [HYWA09].  
**Gate** [HC15, LSH14, RDM<sup>+</sup>21]. **Gated** [BJ10, JRJ22]. **Gated-diode** [BJ10].  
**Gated-RRAM** [JRJ22]. **Gates** [AHSZ16, CJ14a, DWK<sup>+</sup>16, HZSA14, DJ08].  
**Gating** [HN12, ZF15]. **Geckos** [GSC17].  
**gem5** [CJ15]. **gem5-PVT** [CJ15].  
**Generalized** [WHL<sup>+</sup>21, RBGC14].  
**Generation** [AMH<sup>+</sup>24, HYPW22, KK23, MKG<sup>+</sup>23, TW22, WJWM23, XCS<sup>+</sup>19].  
**Generator** [CKA23]. **Generators** [LTKP16, ST20]. **Genes** [AAFM13].  
**Genetic** [ARD24, BBB<sup>+</sup>22, MZR<sup>+</sup>14].  
**Genetic-algorithm-based** [BBB<sup>+</sup>22].  
**genomics** [GN08]. **geographically** [AMVG12]. **Geometric** [DSB16]. **Global** [DDP20, XPD12]. **GPGPU** [LCY19, TWLL19, WX15]. **GPU** [BS21, CRKP22, LLX<sup>+</sup>18a, LML<sup>+</sup>19, MPZ21].  
**GPU-Outperforming** [LLX<sup>+</sup>18a].  
**GPUOPT** [BS21]. **GPUs** [SPS<sup>+</sup>24, ZCX<sup>+</sup>17]. **Gradient** [HYPW22, HHD<sup>+</sup>23]. **Grain** [SMT<sup>+</sup>17, MLK<sup>+</sup>08]. **grained** [BLKM23].  
**Graph** [CRKP22, FSD22, MDS21, PP21, XCS<sup>+</sup>19].  
**Graph-based** [FSD22]. **Graphene** [DDP20, HC15, KHR<sup>+</sup>15, WLJC21, WZSC09].  
**Graphene-Based** [WLJC21, WZSC09].  
**green** [AMVG12, PG12]. **greener** [GD12].  
**Grid** [ZGSA15]. **Guarantees** [GYM<sup>+</sup>17].  
**Guarding** [DCSA22]. **Guest** [CLKG17, CFK22, HVB22, JHPG22, SCLW19a, SLCJ22, Shu09, SK16, TSB15, TSMCB17, ZLWB20, Ano18, CLSD18, FNO<sup>+</sup>19, GMGA23, SCLW19b]. **Guided** [MCH22, WDG<sup>+</sup>20].  
**H** [HCTK08]. **Hack** [MLP<sup>+</sup>20]. **Hamming** [RSBA23, TT20]. **Hardening** [LBB<sup>+</sup>18].  
**Hardware** [ASB<sup>+</sup>21, ABR<sup>+</sup>21, ALY<sup>+</sup>21, ASK23, AHS22, ATW<sup>+</sup>22, BBB<sup>+</sup>22, BSY<sup>+</sup>16, BGX<sup>+</sup>21, BHLD19, BWL<sup>+</sup>21, BVM<sup>+</sup>19, CRSSBMR21, CLKG17, CLSD18, CQL21a, CQL21b, CCWCC15, CKWK18, DBS<sup>+</sup>21, DRG21, DCSA22, EFRB22,

- FMP<sup>+</sup>21, GCC<sup>+</sup>23, GFZ13, HIH18, AML<sup>+</sup>23, IGGR19, KPM22, KK<sup>+</sup>20, KDW<sup>+</sup>25, KRG<sup>+</sup>23, KCD15, KKNM22, LPM<sup>+</sup>25, LQYL19, LFDS22, LJL18, LCK19, MEHT21, MAC<sup>+</sup>21, MPR<sup>+</sup>22, MKG<sup>+</sup>23, PJS17, SLC<sup>+</sup>17, SBR19, SCLW19b, SCLW19a, SLCJ22, WYZ<sup>+</sup>20, WHB<sup>+</sup>21, XLW<sup>+</sup>18, ZLGL21, TMM<sup>+</sup>07]. **Hardware-accelerated** [KKNM22]. **Hardware-Assisted** [MPR<sup>+</sup>22]. **Hardware-Aware** [SLCJ22]. **Hardware-Based** [LQYL19, MAC<sup>+</sup>21]. **Hardware-oriented** [AHS22]. **Hardware-Software** [IGGR19]. **Harvesting** [RSD<sup>+</sup>23a, RFDT15, ZSXY11, KP10, MCT10, WOW<sup>+</sup>10, WCSA10]. **Hashing** [JCK23]. **HBM** [ARD24]. **HDL** [OSLT06]. **HDLQ** [OSLT06]. **HDRLPIM** [RAC<sup>+</sup>24]. **Heart** [XYJ<sup>+</sup>21]. **Hermitian** [AHSZ16, HZSA14]. **Heterogeneous** [AAFM13, BHLD19, CTP14, HTMH18, IASK20, KHR<sup>+</sup>15, LGL15, LDP<sup>+</sup>20, MMD<sup>+</sup>20, SM19, VK18]. **Heterojunction** [KCWL<sup>+</sup>16]. **Heuristic** [BM15, PT12]. **Heuristics** [RPBA21]. **Hexagonal** [KDS24]. **Hiding** [FHF14]. **Hierarchical** [DBS<sup>+</sup>21, LFDS22, YXW<sup>+</sup>12]. **Hierarchy** [PHS<sup>+</sup>15, VSRR15]. **High** [ASP<sup>+</sup>18, BYHT18, BH17, CJ16, CRKP22, GN08, HRR19, LTkp16, LML<sup>+</sup>19, LZx<sup>+</sup>21, MTC<sup>+</sup>08, PAB<sup>+</sup>17, PSY<sup>+</sup>18, PAC<sup>+</sup>22, SC08, WL22b, XLL<sup>+</sup>18, ZM22, Bea11, BPH<sup>+</sup>11, CA11, LMC<sup>+</sup>11, MN06, PFOL07, RMBC12, WWJ09, ZS08, SM11]. **high-** [MP10]. **high-efficiency** [ZS08]. **High-level** [MTC<sup>+</sup>08, PAC<sup>+</sup>22, SC08, ZM22]. **High-Performance** [ASP<sup>+</sup>18, BH17, CJ16, CRKP22, PSY<sup>+</sup>18, HRR19, LML<sup>+</sup>19, Bea11, BPH<sup>+</sup>11, LMC<sup>+</sup>11, WWJ09, SM11]. **High-Speed** [BYHT18, LTkp16, PAB<sup>+</sup>17, XLL<sup>+</sup>18]. **high-throughput** [CA11, RMBC12]. **Higher** [ST20]. **Highlights** [DR11]. **Highly** [HN12, MGMU22]. **Highly-Efficient** [MGMU22]. **History** [Ko12]. **HMC** [HTMH18]. **Holistic** [BAT<sup>+</sup>22]. **Homogeneous** [HRR19]. **Horse** [DRG21]. **hosting** [AMVG12]. **HPC** [KK23]. **HTM** [ZK19]. **Human** [KWWI17]. **Human-Scale** [KWWI17]. **Hut** [MPZ21]. **HW** [JRLR15]. **HW/SW** [JRLR15]. **Hybrid** [DJ16, DLL<sup>+</sup>19, HAV<sup>+</sup>22, HH11, LNL19, LQYL19, LWM<sup>+</sup>14, LWY22, NAY24, PHS<sup>+</sup>15, PAP<sup>+</sup>22, SMT21, WDW13, YLR<sup>+</sup>23, YYPK17, YYBK19, CB09, CJ14b, LBGR08, LMC<sup>+</sup>11, RT07, SCI<sup>+</sup>09, ZJS09a, ZJS09c, ZJS09b, ZJS10]. **Hyper** [RAC<sup>+</sup>24]. **Hyper-Dimensional** [RAC<sup>+</sup>24]. **Hypercolumn** [PSL<sup>+</sup>19]. **Hyperdimensional** [SBR19]. **Hypervectors** [SBR19].
- IBM** [NPS<sup>+</sup>20]. **IC** [BLKM23, CH14, SMZ<sup>+</sup>19]. **iConn** [LGL15]. **ICs** [ARLB18, BLKM23, CKC<sup>+</sup>18, CBK<sup>+</sup>22, FRB08, MRG22, RSBA23, SCL17, TZS14, XS14, ZCB<sup>+</sup>22]. **Ideal** [CYL25]. **Identification** [KRP<sup>+</sup>21, SMZ<sup>+</sup>19, CWT14]. **identify** [PT12]. **Idle** [SLC<sup>+</sup>17]. **IEEE** [Shu09]. **IEEE/ACM** [Shu09]. **II** [ZJS09c]. **ILP** [ZMT13]. **Image** [BWL<sup>+</sup>21, CLZ<sup>+</sup>22, MGMU22, MCH22, PSR17, LM13]. **Images** [ATW<sup>+</sup>22, KBC<sup>+</sup>23, XZL<sup>+</sup>21]. **IMFlexCom** [PAF18]. **Impact** [BSS16, DNHL11, KAKSP14, KKC17, KMC<sup>+</sup>22, LZx<sup>+</sup>21, MGK18]. **Implantable** [BY12, HLH<sup>+</sup>12, Ko12, MGS<sup>+</sup>12, SSN12, SCZ<sup>+</sup>12]. **Implants** [MLP<sup>+</sup>20]. **Implementation** [VDK<sup>+</sup>21, CRSSBMR21, JOF<sup>+</sup>15, LFDS22, LLX<sup>+</sup>18b, LMM18, PCD<sup>+</sup>11, SSN12, XLW<sup>+</sup>18]. **Implementations** [BVM<sup>+</sup>19, DBG<sup>+</sup>14]. **Implementing** [SMR<sup>+</sup>12]. **Implicit** [PT14a]. **Implicit-Implicit** [PT14a]. **Implications** [KAB<sup>+</sup>21, VO06]. **Implicit** [PT14a]. **Improve** [HSZM17, OYLL24]. **Improved**

- [DRSR14, DRG21, PT14a, PSR17, ZJ11]. **Improvement** [RBHG21, XZR<sup>+</sup>22, YMW21, ANR<sup>+</sup>14, FRB08]. **Improving** [AHPC21, CMM<sup>+</sup>18, HMC25, MPZ21, ON15, RBHG21, SCL17, YWF18]. **In-Field** [BMB18]. **In-Memory** [HFLZ22, HHD<sup>+</sup>23, NHL<sup>+</sup>17, PAF18, RAC<sup>+</sup>24, TT20, KMC<sup>+</sup>22]. **In-RAM** [CYL25]. **In-storage** [ORC<sup>+</sup>24]. **Incoherent** [YLR<sup>+</sup>23]. **Incremental** [XLW<sup>+</sup>18]. **independent** [Tah06]. **indoor** [WOW<sup>+</sup>10]. **Induced** [PAC<sup>+</sup>22, VDB<sup>+</sup>16]. **Inductor** [TZS14]. **Inductor-Based** [TZS14]. **inductors** [SXL<sup>+</sup>12]. **Inexact** [KT14, MGMU22]. **Inference** [KWG<sup>+</sup>20, KKNM22, MZZ23, WWZ<sup>+</sup>22, ZCDD19]. **Information** [AAFM13, HLS14, PRV<sup>+</sup>20, DWL10]. **information-theoretic** [DWL10]. **Infrastructure** [LGL15, PB21, AMA<sup>+</sup>14]. **Inherently** [ABR<sup>+</sup>21]. **Initialization** [KKY<sup>+</sup>20]. **Injection** [DDR<sup>+</sup>16a, JCK23, JWJ<sup>+</sup>17, LDPPB21, PHS<sup>+</sup>23]. **Inkjet** [RHB<sup>+</sup>20]. **Inspection** [RAG<sup>+</sup>25]. **INspired** [VTKT22, CZQK15, DBS<sup>+</sup>21, BY18, CQZK14]. **instability** [KCC<sup>+</sup>14]. **Integer** [DBG<sup>+</sup>14, WL22a]. **Integer-arithmetic** [WL22a]. **integral** [KTW08]. **Integrated** [BS15, ISI<sup>+</sup>18, KKC17, KHC<sup>+</sup>22, LKK<sup>+</sup>22, MMAAK23, NLK<sup>+</sup>13, TJ13b, TW22, XC08, XLL<sup>+</sup>18, ZXC10, Bea11, BCT<sup>+</sup>13, HCTK08, MN06, WFCX09, XCF08]. **Integration** [AAFM13, KWWI17, MLK<sup>+</sup>08, SX11]. **Integrity** [CMZR23, PB21]. **Intel** [RBG<sup>+</sup>22]. **Intellectual** [Bis21]. **Intelligence** [Dea14, KBM21, XYJ<sup>+</sup>21]. **Intelligence-based** [XYJ<sup>+</sup>21]. **Inter** [CMK<sup>+</sup>21, CBK<sup>+</sup>22]. **Inter-Layer** [CBK<sup>+</sup>22]. **Inter-tier** [CMK<sup>+</sup>21]. **Interaction** [CV11]. **Interactions** [NPA<sup>+</sup>12]. **Interconnect** [BPS19, KMC<sup>+</sup>22, MN06, MTC<sup>+</sup>08]. **interconnection** [LJ10]. **Interconnects** [DDP20, KBT24, LLSO17, LKL<sup>+</sup>18, Bea11]. **Interface** [WKL16, XDX14]. **interference** [XHSC07]. **Intermittent** [RCYB22]. **Intermittently** [ZPL<sup>+</sup>20]. **Internet** [MPR<sup>+</sup>22]. **Interpolation** [ZCSG21]. **Interposer** [KBT24]. **Interpreting** [GCB14]. **interstitial** [SC06]. **Intracardiac** [ZBF<sup>+</sup>22]. **Introduction** [Ano18, AD14, BC08, Bah09, BY12, CLKG17, CLSD18, CQL21a, CQL21b, DR11, DHK<sup>+</sup>23, Edi14, FSDT23, FMP<sup>+</sup>21, FNO<sup>+</sup>19, GMGA23, Gui13, HN15, KK23, KP10, LC08, LZBW20, MPR<sup>+</sup>22, MSW14, PG12, PR13, SCLW19b, SCLW19a, SX11, SS15, SN11, TTS22, WDT14, WD22]. **Intrusion** [BYHT18]. **Investigating** [MLK<sup>+</sup>08]. **Investigation** [GCTF20]. **IoT** [EFRB22, KT20, LYEK22, RSD<sup>+</sup>23a, RDS24, STSG17, TFZ<sup>+</sup>21, TW22]. **IoT-based** [RDS24]. **IP** [ASMK22, GCC<sup>+</sup>23, OK22, SMZ<sup>+</sup>19]. **IP/IC** [SMZ<sup>+</sup>19]. **Iris** [TZR20, LMC<sup>+</sup>11]. **irregular** [LDL10]. **Irreversible** [HLS14]. **Issue** [BY12, CQL21a, CQL21b, DMYT15, DR11, DHK<sup>+</sup>23, FSDT23, FMP<sup>+</sup>21, GMGA23, Gui13, HN15, KK23, LZBW20, MPR<sup>+</sup>22, MSW14, SS15, SLCJ22, SK16, SN11, TTS22, TSB15, TSMCB17, TV17, WDT14, WD22, ZLWB20, AD14, BC08, CS07, Edi14, McK07, PG12, PR13, XCF08]. **JETC** [BC08, SLCJ22, TV17, ZLWB20]. **JETC/TODAES** [BC08]. **Job** [MNT14]. **joint** [BC08]. **JTAG** [PB21]. **Junction** [VDB<sup>+</sup>16]. **Junctionless** [BSS16]. **Keeping** [ABS<sup>+</sup>12]. **Kernels** [LCY19]. **Ket** [CD22]. **Key** [BBB<sup>+</sup>16, CKA23, MKMS22]. **Key-Sharing** [MKMS22]. **Kilobyte** [TFZ<sup>+</sup>21]. **Kilocore** [ACJ17]. **KNN** [MPZ21]. **Kogge** [BSL<sup>+</sup>18]. **Kronecker** [TFZ<sup>+</sup>21]. **L2** [PAB<sup>+</sup>17]. **lab** [ZXC10]. **lab-on-chip** [ZXC10]. **labeling** [EWKNW07].

**Laboratories** [DHK<sup>+</sup>23]. **Language** [CTT<sup>+</sup>20, MMD<sup>+</sup>20, OBLD14]. **Large** [Bea11, KCD15, LGYC21, PDL15, SWK<sup>+</sup>16]. **Large-Scale** [KCD15, Bea11, LGYC21]. **Laser** [DDR<sup>+</sup>16a, LKL<sup>+</sup>18]. **Lasers** [FC18]. **Last** [NLW<sup>+</sup>20]. **Last-level** [NLW<sup>+</sup>20]. **Latency** [DKK<sup>+</sup>15, CA11]. **Layer** [BS15, VRBS16, CBK<sup>+</sup>22, DKK<sup>+</sup>15, KST<sup>+</sup>22, LLSO17, NVW<sup>+</sup>22, PRG<sup>+</sup>15, SS15, ZGSA15, KWC<sup>+</sup>20]. **layout** [RMBC12]. **LC** [SXL<sup>+</sup>12]. **LDPC** [LPW18]. **Leakage** [CMJ14, CJ16, MLW<sup>+</sup>23, CJ14b, GJ17, LSH14]. **Leakage/Delay** [CMJ14]. **learnable** [YYBK19]. **Learning** [ASB<sup>+</sup>21, ABM21, ASMK22, ARD24, ATW<sup>+</sup>22, AAO21, AMF<sup>+</sup>15, BWL<sup>+</sup>21, CLKG17, CLSD18, CZQK15, CQL21a, CQL21b, CMZR23, DCP<sup>+</sup>21, DDG<sup>+</sup>22, DJH<sup>+</sup>19, DCSA22, FMTTP22, GCC<sup>+</sup>23, GGTG<sup>+</sup>20, GGHP<sup>+</sup>24, HON21, KPPB17, KRG<sup>+</sup>23, KSA<sup>+</sup>22, KPFM16, LDZ22, LGYC21, MEHT21, MS19, PSR17, PSY<sup>+</sup>18, RAC<sup>+</sup>24, Rez23, RBHG21, SAAR20, SCLW19b, SCLW19a, SLCJ22, SMR<sup>+</sup>21, SPR18, STNP21, TWLL19, WL22a, YLR<sup>+</sup>23, ZY18, ZK18, ZK19, CQZK14]. **Learning-Based** [ZY18]. **Learning-Part** [CQL21a]. **less** [HYA<sup>+</sup>20, RSD<sup>+</sup>23a]. **Level** [ARLB18, CCW18, CZW<sup>+</sup>19, DRL<sup>+</sup>19, JWJ<sup>+</sup>17, LLX<sup>+</sup>18b, LZX<sup>+</sup>21, LCY19, MTC<sup>+</sup>08, MP10, Moh12, NLW<sup>+</sup>20, PAC<sup>+</sup>22, SC08, ZM22]. **Leverage** [RPBA21]. **Leveraging** [PRV<sup>+</sup>20, SMR23]. **library** [LCJ14]. **life** [ZJT<sup>+</sup>14]. **light** [WOW<sup>+</sup>10]. **Lightweight** [ASMK22, LHHZ19, MKMS22, MAC<sup>+</sup>21, RDS24]. **like** [HMS<sup>+</sup>05]. **Limit** [LCK19]. **Limits** [LPM<sup>+</sup>25, RD22, GMM12]. **Linear** [ZCSG21]. **Links** [NVW<sup>+</sup>22]. **Literature** [AAFM13]. **LiwePMS** [LHHZ19]. **Loads** [ZSXY11]. **Localization** [CBK<sup>+</sup>22]. **Locally** [DNHL11]. **Lock** [ASMK22]. **Locking** [HMC25, LZX<sup>+</sup>21, SMR<sup>+</sup>21]. **Log** [LH20]. **Log-Structured** [LH20]. **Logic** [AHSZ16, CJ14a, CJ16, CNH12, GCO<sup>+</sup>11, GUP11, GVRR17, HMC25, KT20, LCSP14, LP17, LZX<sup>+</sup>21, LMM18, MS17, NLL<sup>+</sup>17, PT14a, SJKS20, SMR23, SSP14, SMR<sup>+</sup>21, SWK<sup>+</sup>16, VGZ11, ANR<sup>+</sup>14, CJ14b, DJ08, HMS<sup>+</sup>05, LJ14, LCT12, MTC<sup>+</sup>08, PT12, TR13, ZMT13]. **Logic-Based** [KT20, NLL<sup>+</sup>17, TR13]. **Loihi** [RBG<sup>+</sup>22]. **Long** [ZSPC19]. **Loop** [SSN12]. **LosPem** [LH20]. **Loss** [HLS14]. **Lotus** [LGYC21]. **Low** [AHHS21, BS20, CJ16, Che15, EFRB22, GBLD15, GLMG<sup>+</sup>15, HHD<sup>+</sup>23, IBO22, KZW<sup>+</sup>15, KHR<sup>+</sup>15, KR18, LTM22, LNL19, MGS<sup>+</sup>12, MMJ09, OYLL24, PRG<sup>+</sup>15, PSL<sup>+</sup>19, QGW20, RMW<sup>+</sup>17, SLC<sup>+</sup>17, STSG17, SGR<sup>+</sup>12, SM19, SSF<sup>+</sup>15, Tah09, TSB15, ZJS10, ZJ11, ZPL<sup>+</sup>20, ABS<sup>+</sup>12, CJ14b, CA11, ERGK21, GGTG<sup>+</sup>20, GJ17, KT14, LBGR08, LMC<sup>+</sup>11, MFA<sup>+</sup>13, WDH<sup>+</sup>09]. **Low-Cost** [LNL19, LBGR08]. **low-latency** [CA11]. **Low-overhead** [EFRB22, Tah09]. **Low-Power** [GBLD15, GLMG<sup>+</sup>15, KHR<sup>+</sup>15, KR18, OYLL24, PRG<sup>+</sup>15, PSL<sup>+</sup>19, QGW20, RMW<sup>+</sup>17, SGR<sup>+</sup>12, AHHS21, BS20, MMJ09, SM19, ZJS10, ABS<sup>+</sup>12, KT14, LBGR08, LMC<sup>+</sup>11, WDH<sup>+</sup>09]. **Low-Rank** [HHD<sup>+</sup>23]. **Low-Swing** [SSF<sup>+</sup>15]. **LTPS** [LBGR08]. **Machine** [ABM21, ARD24, BWL<sup>+</sup>21, CQL21a, CQL21b, DCSA22, GCC<sup>+</sup>23, GGTG<sup>+</sup>20, GGHP<sup>+</sup>24, HON21, KPPB17, KRG<sup>+</sup>23, KPFM16, LGYC21, MEHT21, MS19, Rez23, SCLW19b, SCLW19a, YP17]. **Machine-Learning** [KPFM16]. **Machines** [MDS21, NPS<sup>+</sup>20]. **Magnetic** [ATW<sup>+</sup>22, LBJ<sup>+</sup>16, VDB<sup>+</sup>16, XZR<sup>+</sup>22, AKW<sup>+</sup>13, DK09]. **Main** [YYBK19, YXD<sup>+</sup>17]. **majority** [HMS<sup>+</sup>05]. **majority-like** [HMS<sup>+</sup>05]. **Making** [AGD<sup>+</sup>20]. **Management** [CMK<sup>+</sup>21, DJH<sup>+</sup>19, HTMH18, LHW<sup>+</sup>17,

LHHZ19, PHS<sup>+</sup>15, PRG<sup>+</sup>15, SHB<sup>+</sup>21, ZJ11, FRB08, GMM12, MP10, MCT10]. **manager** [AMVG12]. **Managing** [NPH18]. **Manufacturing** [CZW<sup>+</sup>19, MRG22]. **Manufacturing-Based** [CZW<sup>+</sup>19]. **Many** [DMYT15, KDMT22, KPFM16]. **Many-Core** [DMYT15, KDMT22, KPFM16, Rez23]. **Manycore** [CMK<sup>+</sup>21, CRKP22, HM21]. **Manycores** [PHS<sup>+</sup>15]. **Map** [RMG15]. **Mapping** [FC18, GCO<sup>+</sup>11, GUP11, KDS24, MZZ23, TSÁ<sup>+</sup>24, ZMT13]. **March** [SN10]. **Markov** [GD12, KR18]. **Matching** [RDH14]. **MATE** [PHS<sup>+</sup>15]. **materials** [BPH<sup>+</sup>11]. **Matrix** [DD14, GCO<sup>+</sup>11, GUP11]. **Maximum** [KAKSP14]. **means** [VOB19]. **Measure** [BS15]. **Measures** [HON21]. **mechanical** [LWH14, WCSA10]. **Mechanism** [MRG22, RSD23b]. **Mechanisms** [LBB<sup>+</sup>18]. **MEDA** [HRR19]. **MEDA-based** [HRR19]. **Medical** [SLCJ22]. **Medium** [RSD23b]. **Memcapacitive** [TT21]. **Memories** [CCWCC15, HH11, KWC<sup>+</sup>20, LBJ<sup>+</sup>16, SBT20, SCZ<sup>+</sup>12, YYPK17, GRS05, RYT<sup>+</sup>07]. **Memory** [AIK21, ANT22, DK21, GNY<sup>+</sup>22, GLMG<sup>+</sup>15, GG17, GIS<sup>+</sup>22, HTMH18, HVB22, HFLZ22, HC15, HHD<sup>+</sup>23, IASK20, JRJ22, KPPB17, KHR<sup>+</sup>15, KKKK18, KMS<sup>+</sup>20, KKK22, KHC<sup>+</sup>22, LKK<sup>+</sup>22, LHHZ19, LML<sup>+</sup>19, LH20, LFDS22, LYWW13, MDS21, MRR12, MSB<sup>+</sup>22, Mit17, NYL<sup>+</sup>20, NHL<sup>+</sup>17, PHS<sup>+</sup>15, PAF18, PJT25, RAC<sup>+</sup>24, RMW<sup>+</sup>17, RCYB22, SMR23, SBZT20, SBR19, TT20, WWZ<sup>+</sup>22, WDW13, WRWW17, WHB<sup>+</sup>21, WZL16, WL22b, YYPK17, YYBK19, YXD<sup>+</sup>17, ZSPC19, ABS<sup>+</sup>12, AKW<sup>+</sup>13, CSKM13, KMC<sup>+</sup>22, KSG14, PR13, SKRX13, TCSV09, VMNI08, WYZ<sup>+</sup>20, ZLB<sup>+</sup>22, ZJS09a]. **Memory-bound** [KHC<sup>+</sup>22]. **Memory-Centric** [KPPB17, NYL<sup>+</sup>20, GNY<sup>+</sup>22]. **Memory-Efficient** [HHD<sup>+</sup>23]. **Memory-Storage** [YYPK17]. **Memristive** [ASB<sup>+</sup>21, ANT22, CZQK15, GLMG<sup>+</sup>15, KZL15, MRR12, NAY24, SAAR20, TT20, UMB<sup>+</sup>18, WKL16, YW13, ZJK22, ZK18]. **Memristor** [ASP<sup>+</sup>18, BYHT18, MZZ23, QGW20, ZLB<sup>+</sup>22, dLBHC22]. **Memristor-Based** [BYHT18, QGW20, ZLB<sup>+</sup>22]. **Memristor-CMOS** [ASP<sup>+</sup>18]. **Memristors** [CHA20]. **mesh** [EWKNW07]. **meshless** [KTW08]. **Metamaterial** [NVW<sup>+</sup>22]. **Metamaterial-enabled** [NVW<sup>+</sup>22]. **Method** [BBB<sup>+</sup>16, DDP20, DLL<sup>+</sup>19, GCO<sup>+</sup>11, MZZ23, PP21, XYM18, YYBK19, ZSXY11, MHM<sup>+</sup>08]. **Methodology** [AHHS21, CMJ14, CH14, MLW<sup>+</sup>23, CB09]. **Methods** [CZQK15, TSMCB17, CCTP08]. **metric** [SMR<sup>+</sup>12]. **Metrics** [HSZM17]. **MFNW** [AM18]. **MiC** [LCY19]. **Micro** [ABM21, ZLGL21]. **Micro-Architectural** [ABM21]. **Micro-ring** [ZLGL21]. **Microarchitectural** [GOGCK11]. **microarchitecture** [MLK<sup>+</sup>08]. **microarchitectures** [XCF08]. **Microarrays** [SKB13]. **Microdevices** [VMV13]. **Microfluidic** [BMB18, GCB14, HD14, LBB<sup>+</sup>18, MPM13, OGB18, DJRM09, DDM<sup>+</sup>06, RMBC12, RBGC14, SC08, XHSC07, XC08, YYC07, ZXC10]. **Microfluidics** [GHHW19, CZ05, SC06]. **microfluidics-based** [CZ05, SC06]. **Microscope** [ATW<sup>+</sup>22, LPM<sup>+</sup>25]. **Migration** [AIK21, IASK20]. **Millimeter** [MKW<sup>+</sup>14, KK12]. **Millimeter-Wave** [MKW<sup>+</sup>14]. **Million** [AVK16]. **Million-Qubit** [AVK16]. **Minimization** [CCH16, LJL18]. **Minimum** [LCSP14]. **MINLP** [BM15]. **Mitigate** [ZH20]. **Mitigation** [NLK<sup>+</sup>13, WYZ<sup>+</sup>20, ZLGL21]. **Mitigations** [ASK23]. **Mixed** [DRL<sup>+</sup>19, LPM<sup>+</sup>19]. **Mixed-Criticality** [DRL<sup>+</sup>19]. **mixing** [RBGC14]. **MLC** [AM18, LHW<sup>+</sup>17]. **MLC/TLC** [AM18].

- MN** [PHS<sup>15</sup>]. **MN-MATE** [PHS<sup>15</sup>].  
**MNEMOSENE** [ZLB<sup>22</sup>]. **mNoC** [PDL15]. **Mobile** [TWLL19, TSMCB17, YYPK17, WDH<sup>+09</sup>].  
**Mode** [BSS16, PAF18]. **Model** [BM15, CCWCC15, FYJ<sup>+17</sup>, FCR23, MZR<sup>+14</sup>, MMD<sup>+20</sup>, REL<sup>+22</sup>, WHL<sup>+21</sup>, DLWW08, MHL08, MTC<sup>+08</sup>, ZC07].  
**Modeling** [FMW<sup>+22</sup>, KBC<sup>+23</sup>, LYEK22, LTKP16, MN06, SSN12, SCT<sup>+22</sup>, TGCJ16, TKBM12, ZM22, ZF15, KCC<sup>+14</sup>, KSG14, PFOL07].  
**Models** [ASMK22, KMS<sup>+20</sup>, KCD15, KKNM22, MHW14, WJWM23, FRB08].  
**Modern** [MPZ21]. **Modular** [FKM22, MHW14]. **Modularization** [FHF14]. **Modulation** [MGK18, NVW<sup>+22</sup>]. **Modulator** [LZCX22].  
**Module** [MPM13, LCJ14, ZS08].  
**Module-Based** [MPM13]. **Modules** [TGCJ16]. **Modulo** [TSÁ<sup>+24</sup>]. **Molecular** [AGR<sup>+23</sup>, CNHL08, DPB11, GPW<sup>+15</sup>, PDL15, SCT<sup>+22</sup>, WDW13, KSG14, KTW08, MHL08, RYT<sup>+07</sup>]. **Molecular-Spin-Qubit** [SCT<sup>+22</sup>]. **Money** [BMTP24]. **Monitoring** [AUDS22, EFRB22, MGS<sup>+12</sup>]. **Monolayer** [RMW<sup>+17</sup>]. **Monolithic** [CKC<sup>+18</sup>, CMK<sup>+21</sup>, CBK<sup>+22</sup>, KKC17, LKK<sup>+22</sup>, TTS22, ZCB<sup>+22</sup>, BCT<sup>+13</sup>, XDX14]. **MOS** [KZW<sup>+15</sup>]. **Motion** [MGMU22].  
**Movement** [PJT25]. **MRAM** [AKW<sup>+13</sup>, DSB16, NLW<sup>+20</sup>, PAF18, SFD17, SMT21, STSG17, VDB<sup>+16</sup>, ZCDD19].  
**MRAM-Based** [VDB<sup>+16</sup>, ZCDD19].  
**MRAMs** [MFA<sup>+13</sup>, PFRR17]. **MTJ** [MS19, MS20]. **MTJ-based** [MS20]. **Muller** [LJ14]. **Multi** [BRZ21, CMZR23, DJH<sup>+19</sup>, DRL<sup>+19</sup>, KBT24, LLSO17, LLX<sup>+18b</sup>, LCY19, PRG<sup>+15</sup>, Rez23, XZL<sup>+21</sup>, LM13].  
**Multi-Abstraction-Level** [DRL<sup>+19</sup>].  
**Multi-core** [DJH<sup>+19</sup>].  
**Multi-Cycle-Consistent** [XZL<sup>+21</sup>].  
**Multi-FPGA** [BRZ21]. **Multi-Layer** [LLSO17]. **Multi-level** [LCY19].  
**Multi-Level-Optimization** [LLX<sup>+18b</sup>].  
**multi-peak** [LM13]. **Multi-Processors** [PRG<sup>+15</sup>]. **Multi-tenant** [CMZR23].  
**Multi-Terabit** [KBT24]. **Multi/Many** [Rez23]. **Multi/Many-Core** [Rez23].  
**Multicast** [CDP17, VOB19].  
**Multicast-Enabled** [CDP17].  
**Multichannel** [KRP<sup>+21</sup>]. **multicomputer** [VMNI08]. **Multicore** [CDP17, HAV<sup>+22</sup>, PCD<sup>+11</sup>, WXW<sup>+17</sup>, ZMC15, KWFH12, SLS<sup>+14</sup>].  
**multidiscipline** [Moh12]. **Multilayer** [HC15, MHM<sup>+08</sup>, BPH<sup>+11</sup>]. **Multilevel** [KST<sup>+22</sup>, MRR12, VSRR15, CWL<sup>+13</sup>, FGZ14]. **Multiparameter** [CJ16, GJ17].  
**Multipath** [RNN<sup>+22</sup>]. **Multiple** [DDM<sup>+06</sup>, FMTP22, HZSA14, MMJ09].  
**Multiple-Controlled** [HZSA14].  
**Multiplexing** [XLL<sup>+18</sup>]. **Multiplication** [CRSSBMR21, ERGK21, GP17, HYA<sup>+20</sup>].  
**Multiplication-less** [HYA<sup>+20</sup>].  
**Multiplications** [GZZ<sup>+21</sup>]. **Multiplier** [GZZ<sup>+21</sup>, LNL19, LQYL19]. **Multipliers** [Mog14, SVA<sup>+18</sup>]. **Multiprocessor** [YXW<sup>+12</sup>, CJ14b, GMM12, LWX<sup>+14</sup>].  
**multiprocessors** [BPH<sup>+11</sup>, CA11].  
**multiPULPly** [ERGK21]. **Multistate** [KHR<sup>+15</sup>]. **multiwalled** [SXL<sup>+12</sup>]. **MV** [TWLL19]. **MV-Net** [TWLL19]. **mVLSI** [CKB20]. **mW** [WOW<sup>+10</sup>]. **MWSR** [HAV<sup>+22</sup>]. **MWSR/R** [HAV<sup>+22</sup>].  
**MWSR/R-SWMR** [HAV<sup>+22</sup>].  
**N** [AM18]. **NANA** [PDLS06]. **Nano** [GKT<sup>+18</sup>, YLF<sup>+17</sup>, CB09, LDL10, MP10, PDLS06, SCI<sup>+09</sup>, ZMT13, ZJS10, ZC07, MRR12, ZJS09c, ZJS09a, ZJS09b].  
**nano-architectures** [ZMT13].  
**nano-CMOS** [MP10, SCI<sup>+09</sup>, ZC07].  
**Nano-Oscillator-Based** [YLF<sup>+17</sup>].  
**Nano-Oscillators** [GKT<sup>+18</sup>]. **nano-scale** [LDL10, PDLS06]. **nano/CMOS** [ZJS10, ZJS09c, ZJS09a, ZJS09b].  
**NANOARCH** [Bah09]. **NANOARCH07**

- [Shu09]. **NANOARCH’09** [DR11].  
**nanoarchitectures** [Tah06, Tah09].  
**Nanoarray** [FGZ14, GRS05]. **Nanocavities**  
[EDCL<sup>+</sup>22]. **Nanocomputing**  
[AGR<sup>+</sup>23, WWG<sup>+</sup>19, WWJ09].  
**Nanocrossbar** [GUP11]. **Nanodevice**  
[GCO<sup>+</sup>11, WZSC09]. **Nanodevice-Based**  
[GCO<sup>+</sup>11]. **Nanodevices** [CZQK15].  
**Nanoelectronic**  
[LZBW20, TSMCB17, YL14]. **nanofabrics**  
[DMR06]. **Nanoelectronic** [ZLWB20].  
**Nanomagnet** [CNH12]. **Nanomagnetic**  
[VGZ11]. **nanometer** [CCTP08].  
**nanometer-scale** [CCTP08].  
**Nanophotonic**  
[BS20, ISI<sup>+</sup>18, LLSO17, LKL<sup>+</sup>18, NPA<sup>+</sup>12,  
PDL15, XYM18, LMC<sup>+</sup>11, SX11].  
**Nanopipelined** [PT14b]. **Nanoribbon**  
[HC15, KHR<sup>+</sup>15]. **Nanoribbon-CMOS**  
[KHR<sup>+</sup>15]. **Nanoribbons** [DDP20].  
**Nanoscale** [BOAC<sup>+</sup>20, JRC<sup>+</sup>13, NLK<sup>+</sup>13,  
Shu09, CQZK14, EWKNW07, Nar05, RT07,  
RT08, WZSC09]. **nanostructures**  
[HYWA09]. **nanosystem** [TWL09].  
**Nanotechnology** [KBM21]. **Nanotube**  
[GRPT13, HC15, LKK<sup>+</sup>22, DLWW08,  
HZY<sup>+</sup>12, MN06, SXL<sup>+</sup>12].  
**Nanotube-Based** [GRPT13, MN06].  
**Nanowire** [Deh05, RKM15].  
**Nanowire-based** [Deh05]. **nanowires**  
[SRD<sup>+</sup>06]. **Navigating** [CTT<sup>+</sup>20]. **NBTI**  
[KCC<sup>+</sup>14, LSH14, SLS<sup>+</sup>14, YWH<sup>+</sup>13].  
**NBTI-aware** [YWH<sup>+</sup>13]. **Near**  
[DK21, GVRR17, KXY16, Mit16, NPA<sup>+</sup>12,  
ORC<sup>+</sup>24, SCL17, TNWD20]. **Near-**  
[GVRR17]. **Near-Field** [NPA<sup>+</sup>12].  
**Near-Memory** [DK21]. **Near-storage**  
[ORC<sup>+</sup>24]. **Near-Threshold**  
[Mit16, SCL17]. **negative** [KCC<sup>+</sup>14].  
**Neighborhood** [KDSD24]. **NEMS** [HN12].  
**Neoteric** [SMR23]. **NeRF** [LMZZ24]. **net**  
[BPB<sup>+</sup>12, HYA<sup>+</sup>20, TWLL19, WL22a].  
**net-zero** [BPB<sup>+</sup>12]. **Nets** [DRG21].  
**Network**  
[ABR<sup>+</sup>21, ASK23, ACM<sup>+</sup>20, BS21, BKJ19,  
Bis17, Bis21, CMM<sup>+</sup>18, CDP17, CCWCC15,  
DJ16, GMGA23, GCTF20, HFLZ22, HM21,  
IGGR19, KKKK18, KKK22, LDK<sup>+</sup>18,  
LQYL19, LMZZ24, LLX<sup>+</sup>18b, MZZ23,  
MKMS22, MSCS19, MCH22, MGST22,  
MSC<sup>+</sup>21, OK22, OYLL24, PDL15, PHS<sup>+</sup>23,  
PAP<sup>+</sup>22, RDS24, VK18, VSM19, WL19,  
XYM18, YMWH21, ZBF<sup>+</sup>22, ZSPC19,  
BPH<sup>+</sup>11, CDG<sup>+</sup>12, LMC<sup>+</sup>11, PDLS06,  
PT14b, WVGP13, ZFT13, YXW<sup>+</sup>12].  
**Network-based** [ABR<sup>+</sup>21].  
**network-enabled** [WVGP13].  
**Network-on-Chip** [ASK23, BS21, BKJ19,  
Bis17, Bis21, CMM<sup>+</sup>18, DJ16, GMGA23,  
LDK<sup>+</sup>18, MSCS19, OYLL24, PDL15, VK18,  
VSM19, ACM<sup>+</sup>20, BPH<sup>+</sup>11, CDG<sup>+</sup>12,  
WVGP13, YXW<sup>+</sup>12]. **Network-on-chips**  
[PHS<sup>+</sup>23]. **Networks**  
[AHS17, BS20, VRBS16, BRZ21, BHLD19,  
BVM<sup>+</sup>19, CKC<sup>+</sup>18, CQZ<sup>+</sup>21, CTP14, DK21,  
Dea14, DEW<sup>+</sup>23, ERGK21, FNO<sup>+</sup>19,  
JCK23, KST<sup>+</sup>22, KRP<sup>+</sup>21, KCD15,  
KMC<sup>+</sup>22, LPB<sup>+</sup>15, LZXL22, LLX<sup>+</sup>18a,  
LNL19, LDP<sup>+</sup>20, LJL18, LPM<sup>+</sup>19, MS20,  
NAY24, ORC<sup>+</sup>24, PJS17, PSL<sup>+</sup>19,  
PSY<sup>+</sup>18, Rez23, RBHG21, RBG<sup>+</sup>22,  
SBZT20, SM19, SPR18, TZR20, TT21,  
XLW<sup>+</sup>18, XZL<sup>+</sup>21, ZCDD19, ZH20, GD12,  
LJ10, LDL10, LWX<sup>+</sup>14, XPD12].  
**Networks-on-Chip**  
[VRBS16, CTP14, FNO<sup>+</sup>19, KST<sup>+</sup>22, Rez23].  
**Neural** [ABR<sup>+</sup>21, AHS17, BRZ21, BHLD19,  
BVM<sup>+</sup>19, CKC<sup>+</sup>18, CThG15, CQZ<sup>+</sup>21,  
CCWCC15, DK21, DEW<sup>+</sup>23, ERGK21,  
HFLZ22, HM21, IGGR19, JCK23, KRP<sup>+</sup>21,  
KKKK18, KKK22, KCD15, KMC<sup>+</sup>22,  
LZXL22, LLX<sup>+</sup>18a, LNL19, LQYL19,  
LDP<sup>+</sup>20, LMZZ24, LLX<sup>+</sup>18b, LJL18,  
LYL19, LPM<sup>+</sup>19, MZZ23, MS20, MSC<sup>+</sup>21,  
NAY24, ORC<sup>+</sup>24, OK22, PAP<sup>+</sup>22, PSL<sup>+</sup>19,  
RBG<sup>+</sup>22, SBZT20, SVA<sup>+</sup>18, SM19, SPR18,  
WL19, XLW<sup>+</sup>18, YMWH21, ZH20, ZBF<sup>+</sup>22].  
**Neuro** [CZQK15, CQZK14].

- Neuro-Inspired** [CZQK15, CQZK14].  
**Neuroevolution** [AAO21].  
**Neuroevolutionary** [SMR<sup>+</sup>21].  
**Neurogenesis** [ZK19]. **Neuromemristive** [ZK19]. **Neuromemristive** [KSA<sup>+</sup>22].  
**Neuromorphic** [ASB<sup>+</sup>21, AMH<sup>+</sup>24, Ano18, AMF<sup>+</sup>15, BOAC<sup>+</sup>20, HN15, JRJ22, KZL15, KCD15, MKSW17, PSY<sup>+</sup>18, RMG15, SAAR20, SHB<sup>+</sup>21, SPR18, WKL16, ZWL<sup>+</sup>15].  
**Neuron** [HIH18]. **Neurons** [VOB19, ZCDD19]. **Neutral** [LPB<sup>+</sup>15].  
**Next** [GFZ13, KK23, XCS<sup>+</sup>19].  
**Next-Generation** [KK23, XCS<sup>+</sup>19]. **NFIC** [AGD<sup>+</sup>20]. **NML** [DNHL11]. **NN** [ASMK22]. **NN-Lock** [ASMK22]. **NoC** [ACJ17, AGD<sup>+</sup>20, DRL<sup>+</sup>19, HAV<sup>+</sup>22, KYEB15, MKW<sup>+</sup>14, VOB19, ZF15].  
**NoC-Based** [ZF15]. **NoCArc** [GMGA23].  
**NoCs** [FC18, GB18, LKC15, LCK19, RSD23b, SHAC19, ZY18, ZLGL21]. **Node** [PHS<sup>+</sup>15, GGTG<sup>+</sup>20, YWH<sup>+</sup>13]. **Nodes** [GVRR17, LWM<sup>+</sup>14, TGCJ16]. **Noise** [CLZ<sup>+</sup>22]. **Noise-Tolerant** [CLZ<sup>+</sup>22].  
**Noisy** [DDG<sup>+</sup>22, SCT<sup>+</sup>22]. **Non** [CYL25, GKT<sup>+</sup>18, MCT18, RCYB22, STSG17, WL22b, YYPK17, YXD<sup>+</sup>17, ZPL<sup>+</sup>20].  
**Non-Boolean** [GKT<sup>+</sup>18]. **Non-Ideal** [CYL25]. **Non-Restoring** [MCT18].  
**Non-Volatile** [STSG17, WL22b, YYPK17, YXD<sup>+</sup>17, ZPL<sup>+</sup>20, RCYB22].  
**Nonhierarchical** [PPM<sup>+</sup>13]. **Noninvasive** [TFR23]. **Nonlinear** [KKK18].  
**Nonvolatile** [HC15, LBJ<sup>+</sup>16, SCZ<sup>+</sup>12, SKRX13].  
**NORM** [RCYB22]. **Note** [WWG<sup>+</sup>19].  
**Novel** [DJ16, FCR23, JDPh<sup>+</sup>23, LH20, MGMU22, SKB13, TZS14, ZSXY11, RT08].  
**NP** [WWG<sup>+</sup>19]. **NP-complete** [WWG<sup>+</sup>19].  
**NTC** [CV12]. **NTRU** [CRSSBMR21].  
**NUCA** [PAB<sup>+</sup>17]. **Number** [HH11, LTkp16, WL19]. **Numbers** [GIS<sup>+</sup>22]. **NxTF** [RBG<sup>+</sup>22].  
**Obfuscation** [CZW<sup>+</sup>19, GCTF20]. **Object** [KBC<sup>+</sup>23]. **Objectives** [DWK<sup>+</sup>16].  
**Observing** [TGCJ16]. **OFDM** [GLL<sup>+</sup>21a].  
**Off** [KK23, FSDT23, ZFT13]. **Off-Chip** [KK23, WXW<sup>+</sup>17, ZFT13]. **Offline** [BMTP24, LKL<sup>+</sup>18, MT14]. **offs** [CDG<sup>+</sup>12].  
**Oligo** [VTKT22]. **On-Chip** [CLKG17, CZQK15, CKC<sup>+</sup>18, KDMT22, KK23, LWM<sup>+</sup>14, LWY22, SCLW19a, TZS14, WM24, XYM18, CLSD18, CWL<sup>+</sup>13, KMC<sup>+</sup>22, LWX<sup>+</sup>14, SCLW19b, CA11, LMC<sup>+</sup>11]. **On-Device** [ZK19].  
**On-Interposer** [KBT24]. **on-node** [GGTG<sup>+</sup>20]. **On-the-fly** [IASk20]. **On/Off** [WXW<sup>+</sup>17]. **On/Off-Chip** [WXW<sup>+</sup>17].  
**One** [HSZM17, WRWW17]. **One-Step** [WRWW17]. **One-Way** [HSZM17]. **Online** [AUDS22, LJL18, ZPL<sup>+</sup>20]. **Open** [BBR<sup>+</sup>23, FCR23]. **OpenQL** [KAS<sup>+</sup>22].  
**Operation** [MPM13]. **Operations** [CVK15]. **Optical** [BPS19, VRBS16, DWK<sup>+</sup>16, GB18, HAV<sup>+</sup>22, JDPh<sup>+</sup>23, NPA<sup>+</sup>12, PAB<sup>+</sup>17, RDM<sup>+</sup>21, XLL<sup>+</sup>18, YLR<sup>+</sup>23, YXW<sup>+</sup>12, ZY18, ZLGL21, CA11, EDCL<sup>+</sup>22].  
**Optical-Electrical** [YLR<sup>+</sup>23].  
**Optical-Electronic** [YXW<sup>+</sup>12].  
**Optimization** [DKK<sup>+</sup>15, DWK<sup>+</sup>16, LDK<sup>+</sup>18, LLX<sup>+</sup>18b, LCY19, LKL<sup>+</sup>18, NLW<sup>+</sup>20, PFRR17, Rez23, TGCJ16, YJ18, ZY18, ZGSA15, DLWW08, KKY<sup>+</sup>20, LWH14, WFCX09, ZJS09c].  
**Optimizations** [SBR19, CWL<sup>+</sup>13].  
**Optimize** [DJ16]. **Optimized** [CRSSBMR21, CCWCC15, KKK18, MS17, MCT18, ON15, WGY21, WL22b].  
**Optimizing** [WL22a, TR10].  
**Optoelectronic** [PAP<sup>+</sup>22]. **Oracle** [GCJ17]. **Order** [CKWK18]. **Ordering** [WGY21]. **Organizing** [DK09, RMG15, LDL10, PDL07]. **oriented** [AHS22]. **Oscillation** [MSB<sup>+</sup>22].  
**Oscillation-Based** [MSB<sup>+</sup>22]. **Oscillator** [FYJ<sup>+</sup>17, HON21, YLF<sup>+</sup>17, SXL<sup>+</sup>12, ZFT13].

**Oscillator-Based** [FYJ<sup>+</sup>17]. **Oscillators** [GKT<sup>+</sup>18]. **Outlook** [BWL<sup>+</sup>21]. **Outperforming** [LLX<sup>+</sup>18a]. **outputs** [TR10]. **Overhead** [LTM22, SLC<sup>+</sup>17, ZJ11, ZPL<sup>+</sup>20, EFRB22, Tah09]. **Overlay** [PAB<sup>+</sup>17]. **Overview** [AML<sup>+</sup>23].

**p** [DPB11]. **p-QCA** [DPB11]. **Packet** [BYHT18]. **Packets** [Bis17]. **Page** [AIK21, IASK20, KXY16]. **PANE** [VSM19]. **Papers** [SN10]. **paradigm** [LBGR08, WZSC09]. **Parallel** [BAT<sup>+</sup>22, Dea14, FSD22, ISI<sup>+</sup>18, DJRM09, STA<sup>+</sup>12]. **Parallelism** [DK21, JOF<sup>+</sup>15, GN08]. **parameter** [RYT<sup>+</sup>07]. **Parameterized** [REL<sup>+</sup>22]. **Parametric** [FRB08]. **Parasitic** [ZH20]. **Parasitics** [KCWL<sup>+</sup>16]. **Part** [CQL21a, CQL21b, SCLW19a, LZBW20, ZJS09c, ZJS09b, ZLWB20]. **Partial** [KKK22, LKC15, MEHT21]. **Partial-Sum** [KKK22]. **Partially** [AGD<sup>+</sup>20]. **Parties** [BMTP24, FMTMP22]. **Partitioning** [LRN05, PP21]. **Passive** [GSC17]. **Path** [Bis21, CKWK18, GB18, VAK18, WRWW17, CWT14, ZXC10]. **Path-based** [Bis21]. **Path-Setup** [GB18]. **Pathology** [CLZ<sup>+</sup>22]. **paths** [ANR<sup>+</sup>14]. **Pathways** [KBT24]. **Pattern** [HSZM17, NLW<sup>+</sup>20]. **Pauli** [HZSA14]. **PCA** [AHPC21]. **PCB** [JDPH<sup>+</sup>23, KBC<sup>+</sup>23, MLP<sup>+</sup>20, RAG<sup>+</sup>25]. **PCM** [KXY16, LHW<sup>+</sup>17]. **peak** [LM13]. **PEAL** [AHHS21]. **Peres** [DJ08]. **Performance** [AVK16, AHS22, ASP<sup>+</sup>18, BSS16, BH17, CDG<sup>+</sup>12, CKC<sup>+</sup>18, CJ16, CRKP22, DNHL11, HTMH18, KDMT22, LYWW13, MKW<sup>+</sup>14, ON15, PSY<sup>+</sup>18, RBHG21, SCL17, VAK18, VOB19, YWF18, Bea11, BPH<sup>+</sup>11, DLWW08, HRR19, LMC<sup>+</sup>11, LML<sup>+</sup>19, LCT12, MN06, PFOL07, RT07, STA<sup>+</sup>12, WWJ09, SM11]. **performance-aware** [STA<sup>+</sup>12]. **Performance-Temperature** [HTMH18]. **Peripheral** [CYL25]. **Permutation** [GCTF20]. **Persistent** [KMS<sup>+</sup>20, LHHZ19, LH20, WL22b]. **Perspective** [RSBA23]. **Perspectives** [BWL<sup>+</sup>21, TTS22]. **Phase** [FYJ<sup>+</sup>17, RNN<sup>+</sup>22, SMT<sup>+</sup>17, WZL16, JRC<sup>+</sup>13]. **Phase-Based** [RNN<sup>+</sup>22]. **Phase-Change** [WZL16]. **Photonic** [ACJ17, BS21, BPH<sup>+</sup>11, CDP17, DEW<sup>+</sup>23, EDCL<sup>+</sup>22, FC18, KST<sup>+</sup>22, KBT24, VK18]. **Photonics** [DCP<sup>+</sup>21, STNP21, XNK18, Bea11]. **Photonics-Based** [DCP<sup>+</sup>21]. **Physical** [DCSA22, LBB<sup>+</sup>18, NVW<sup>+</sup>22, TMG<sup>+</sup>21, UMB<sup>+</sup>18, BCT<sup>+</sup>13, HZY<sup>+</sup>12]. **Physically** [LTM22]. **PicoServer** [KSB<sup>+</sup>08]. **Piezoelectric** [RFDT15]. **pillar** [MFA<sup>+</sup>13]. **PIM** [REL<sup>+</sup>22]. **Pin** [WXW<sup>+</sup>17, XHSC07]. **pin-constrained** [XHSC07]. **Pipeline** [SM11]. **Piracy** [SMZ<sup>+</sup>19]. **PLA** [CNH12]. **Placement** [BM15, VRBS16, BKJ19, CKB20, LWH14, RHB<sup>+</sup>20, WWG<sup>+</sup>19, YYC07, LRN05]. **plane** [LDZ22]. **PLAs** [CHN09]. **Plasticity** [AMF<sup>+</sup>15, LYL19, WLJC21]. **Platform** [ZM22]. **Pluggable** [VSM19]. **Point** [LYWW13, NV14]. **Pointing** [LBJ<sup>+</sup>16]. **Points** [AUDS22]. **Polarity** [MGZ<sup>+</sup>17]. **Policies** [AIK21, ON15]. **Polyhedral** [HFLZ22]. **Polyhedral-Based** [HFLZ22]. **Polynomial** [CRSSBMR21]. **Polynomials** [LP17]. **Pooling** [ZMC15]. **portability** [GN08]. **Portable** [KAS<sup>+</sup>22]. **Post** [CKA23, GCC<sup>+</sup>23, MRG22, XS14]. **post-bond** [XS14]. **Post-Manufacturing** [MRG22]. **Post-processing** [GCC<sup>+</sup>23]. **Post-quantum** [CKA23]. **Potential** [LPM<sup>+</sup>25, SJKS20]. **Power** [BS21, CKC<sup>+</sup>18, CMK<sup>+</sup>21, Che15, DJH<sup>+</sup>19, FC18, GBLD15, GLMG<sup>+</sup>15, HN12, JRLR15, KZW<sup>+</sup>15, KHR<sup>+</sup>15, KR18, LBJ<sup>+</sup>16, LHW<sup>+</sup>17, LTO22, LWM<sup>+</sup>14, LKL<sup>+</sup>18, MGS<sup>+</sup>12, MGST22, MSC<sup>+</sup>21, OYLL24, PRG<sup>+</sup>15, PSL<sup>+</sup>19, QGW20, RMW<sup>+</sup>17, STSG17, SGR<sup>+</sup>12, TGCJ16, TW22, TSB15, WXW<sup>+</sup>17, ZJ11, ZSXY11, ZY18, ZGSA15,

ZF15, ABS<sup>12</sup>, ANR<sup>14</sup>, AHHS21, BS20, ERGK21, GMM12, GGTG<sup>20</sup>, KT14, KK12, LJ10, LBGR08, LMC<sup>11</sup>, MMJ09, MP10, MFA<sup>13</sup>, SM19, WDH<sup>09</sup>, XDX14, ZS08, ZJS10, ZFT13]. **Power-based** [LTO22]. **Power-efficient** [BS21, MSC<sup>21</sup>, ANR<sup>14</sup>]. **Power-Gating** [HN12, ZF15]. **Power-Utility-Driven** [LHW<sup>17</sup>]. **Powered** [JRLR15, ZPL<sup>20</sup>, WCSA10]. **Powerful** [VMV13]. **PPU** [GYM<sup>17</sup>]. **Practical** [GGHP<sup>24</sup>, HAV<sup>22</sup>]. **Pre** [FSDT23, XS14]. **pre-bond** [XS14]. **Pre-silicon** [FSDT23]. **Precise** [WDG<sup>20</sup>]. **Precision** [HM21, LWY22]. **Predict** [BS20]. **Prediction** [MKS17]. **Predictions** [SMT21]. **Predictive** [DKK<sup>15</sup>, ZC07]. **Prefetching** [YYBK19]. **Pressure** [MGS<sup>12</sup>]. **Prevent** [ASMK22]. **Prevention** [MLP<sup>20</sup>]. **Primitive** [GRPT13]. **Primitives** [ABR<sup>21</sup>, BSY<sup>16</sup>, HMS<sup>05</sup>]. **Principal** [AHPC21]. **Printed** [PB21, RHB<sup>20</sup>]. **Privacy** [FMP22]. **Proactive** [PRG<sup>15</sup>]. **Probabilistic** [AHHS21, KSG14, ZCDD19, KT14]. **Probability** [VAK18]. **Probes** [SKB13]. **Probing** [RDM<sup>21</sup>]. **problem** [EWKNW07]. **Problems** [AAO21]. **Process** [CMK<sup>21</sup>, GPW<sup>15</sup>, KAKSP14, LKK<sup>22</sup>, MGK18, SCL17, XYM18, ZM22, XPD12]. **Process-Variation-Tolerant** [XYM18]. **Processing** [AL17, BH17, CLZ<sup>22</sup>, KWG<sup>20</sup>, KHC<sup>22</sup>, MGMU22, RAC<sup>24</sup>, XYJ<sup>21</sup>, XCS<sup>19</sup>, dLBHC22, GCC<sup>23</sup>, Gla14, KT14, LM13]. **processing-in-wire** [Gla14]. **Processor** [GKT<sup>18</sup>, GYM<sup>17</sup>, KRP<sup>21</sup>, KZL15, Mit17, STSG17, WXX<sup>17</sup>, YJ18]. **Processors** [HAV<sup>22</sup>, KAKSP14, KAB<sup>21</sup>, PRG<sup>15</sup>, SLC<sup>17</sup>, WKL16, ZMC15, ZWL<sup>15</sup>]. **productivity** [SMR<sup>12</sup>]. **Products** [TFZ<sup>21</sup>]. **Profiled** [RBHG21]. **Programmable** [AMF<sup>15</sup>, DPB11, Deh05, WDH<sup>09</sup>]. **Programming** [CD22, KAS<sup>22</sup>, KMS<sup>20</sup>]. **Programs** [WWC23]. **Project** [TMM<sup>07</sup>]. **Projection** [DLTSNA20]. **Promises** [YW13]. **Propagation** [BMTP24]. **Propagation-of-Provenance** [BMTP24]. **Property** [Bis21]. **Prospect** [PFOL07]. **Prosthesis** [SSN12]. **Protecting** [LCK19]. **Protection** [Bis21]. **Protein** [PPM<sup>13</sup>]. **Protocol** [RDS24, YWF18]. **Protocols** [BBR<sup>23</sup>]. **PROTON** [VRBS16]. **Provenance** [BMTP24]. **Provide** [SLC<sup>17</sup>]. **Providing** [KMS<sup>20</sup>]. **ProWATCh** [PRG<sup>15</sup>]. **Pruning** [AHS17]. **PUF** [AHPC21, BMTP24, DSB16, FMP22, KT20, LYEK22, MKMS22, RDS24, TMG<sup>21</sup>, VDB<sup>16</sup>, XZR<sup>22</sup>]. **PUF-based** [BMTP24, LYEK22]. **PUF-Cash** [FMP22]. **PUFs** [AHS22, HON21, IGR<sup>16</sup>]. **PVFS** [JOF<sup>15</sup>]. **PVT** [CMJ14, CJ14a, CJ15, TGCJ16, YJ18]. **QCA** [CNHL08, CHN09, DPB11, DK09, Gla14, GPW<sup>15</sup>, HMS<sup>05</sup>, LRN05, MHL08, OSLT06, SWJ07, SDSS14, TCSV09]. **QCA-based** [CHN09]. **QCOR** [MMD<sup>20</sup>]. **QLib** [LCJ14]. **QPSK** [LZCX22]. **qSAT** [KDW<sup>25</sup>]. **Quality** [AHPC21, MEHT21]. **Quality-assured** [MEHT21]. **Quantifying** [HLS14, NPH18]. **Quantitative** [SPS<sup>24</sup>]. **Quantization** [CQZ<sup>21</sup>, KKK22, XLW<sup>18</sup>]. **Quantized** [LNL19]. **Quantum** [AUDS22, AVK16, AHSZ16, ATW<sup>22</sup>, BM15, BH17, CD22, CVK15, CV11, DD14, DPB11, GCJ17, HZSA14, HSZM17, KAS<sup>22</sup>, KDS24, KDW<sup>25</sup>, LPM<sup>25</sup>, LCSP14, LCJ14, MMD<sup>20</sup>, MCT18, NV14, PSY<sup>18</sup>, RDH14, SCT<sup>22</sup>, ST20, TNWD20, VAK18, WD22, CKA23, CV12, DWL10, MTC<sup>08</sup>, TR10, VO06, VMNI08, WDH<sup>09</sup>]. **Quantum-Classical** [MMD<sup>20</sup>]. **Quantum-Dot** [DPB11, TNWD20, DWL10]. **Quantum-Logic** [AHSZ16]. **Quasi**

- [LZCX22]. **Quasi-digital** [LZCX22].  
**Quaternary** [SJKS20]. **Qubit** [AVK16, KDS24, MCT18, NPS<sup>+</sup>20, SCT<sup>+</sup>22].  
**QuickRecall** [JRLR15]. **Quit** [WGY21].  
**QuTiBench** [BHLD19].
- R-SWMR** [HAV<sup>+</sup>22]. **Racetrack** [KWC<sup>+</sup>20]. **Radial** [SRD<sup>+</sup>06]. **Radio** [CFK22, EFRB22]. **Radio-Frequency** [CFK22]. **Radix** [GUP11]. **Rail** [DLTSNA20]. **RAM** [CWL<sup>+</sup>13, LPW18, RKM15, ZCX<sup>+</sup>17].  
**Ramifications** [JMKM21]. **Random** [KR18, LTKP16, LBJ<sup>+</sup>16, MPZ21, AKW<sup>+</sup>13, CSKM13, SWJ07]. **Randomized** [SHAC19]. **Randomly** [CThG15]. **Ranging** [RNN<sup>+</sup>22]. **Rank** [HHD<sup>+</sup>23]. **Rate** [QGW20]. **Ray** [KBC<sup>+</sup>23, RAG<sup>+</sup>25]. **RCG** [ZBF<sup>+</sup>22]. **Read** [WRWW17, ZCX<sup>+</sup>17].  
**Real** [DRL<sup>+</sup>19, GSC17, JWJ<sup>+</sup>17, KR18, KPFM16, SPS<sup>+</sup>24, SM19, TWLL19, ZBF<sup>+</sup>22, LWX<sup>+</sup>14]. **Real-Time** [DRL<sup>+</sup>19, GSC17, JWJ<sup>+</sup>17, KR18, KPFM16, TWLL19, SM19, ZBF<sup>+</sup>22, LWX<sup>+</sup>14].  
**Realization** [BSL<sup>+</sup>18, PP21]. **Realizing** [SDSS14]. **reasonable** [CNHL08].  
**Recognition** [CKC<sup>+</sup>18, KSA<sup>+</sup>22, PSR17, TZR20].  
**Reconciliation** [IASK20]. **Reconfigurable** [CEW<sup>+</sup>13, CCH16, CDP17, CNH12, GZZ<sup>+</sup>21, KPPB17, KZL15, NLL<sup>+</sup>17, VK18, WHL<sup>+</sup>21, EWKNW07, Sek07, SC06, Tah06, ZJS09a, ZJS09c, ZJS09b, ZJS10].  
**Reconfiguration** [MEHT21].  
**Reconstruction** [ZBF<sup>+</sup>22]. **Recorder** [SCZ<sup>+</sup>12]. **Recovery** [KCC<sup>+</sup>14, Sek07, ZXC10]. **Recurrent** [LZXL22, LJL18, SBZT20]. **Recycle** [BS20].  
**REDELFI** [LKC15]. **Redesign** [YXD<sup>+</sup>17].  
**Reduced** [SGR<sup>+</sup>12]. **Reducing** [FC18, LBJ<sup>+</sup>16]. **reduction** [LSH14].  
**Reductions** [MMAAK23]. **Redundancy** [ABR<sup>+</sup>21, WDW13, SC06, WWJ09].  
**Redundant** [HH11]. **Reed** [LJ14].
- Reference** [AMH<sup>+</sup>24, MGK18]. **Reflection** [MGST22]. **ReG** [LDP<sup>+</sup>20]. **Register** [CZW<sup>+</sup>19, WX15, ZCX<sup>+</sup>17, TCSV09].  
**Regular** [DDR<sup>+</sup>16b]. **Regularization** [YMW21]. **Regulators** [IBO22].  
**Reinforcement** [AAO21, DJH<sup>+</sup>19, FMTP22, RAC<sup>+</sup>24].  
**rejuvenation** [AMA<sup>+</sup>14, CNPR14, MNT14, ZJT<sup>+</sup>14].  
**Relativistic** [MJ11]. **Release** [HLH<sup>+</sup>12].  
**Release-on-Demand** [HLH<sup>+</sup>12].  
**Reliability** [ANR<sup>+</sup>14, BAT<sup>+</sup>22, HMC25, HCTK08, KYEB15, LYWW13, LBB<sup>+</sup>18, SHB<sup>+</sup>21, CWT14, DJH<sup>+</sup>19, DK09, Edi14, TMM<sup>+</sup>07].  
**Reliable** [CKA23, KT20, XZR<sup>+</sup>22, McK07, WWJ09].  
**Rematerialization** [SBR19]. **Rendering** [LMZZ24]. **Repercussions** [SPS<sup>+</sup>24].  
**Replacement** [ON15]. **replicating** [TMM<sup>+</sup>07]. **Representation** [BBR<sup>+</sup>23, WL19]. **ReRAM** [BOAC<sup>+</sup>20, FSD22, KKY<sup>+</sup>20, LKK<sup>+</sup>22, LDP<sup>+</sup>20, WL19]. **ReRAM-Based** [WL19, KKY<sup>+</sup>20, LDP<sup>+</sup>20]. **ReRAMs** [MSB<sup>+</sup>22]. **Research** [WWG<sup>+</sup>19].  
**Reservoir** [BY18, LMM18]. **Residue** [HH11, PAP<sup>+</sup>22]. **Resilience** [ACM<sup>+</sup>20].  
**Resiliency** [SFD17, WWZ<sup>+</sup>22]. **Resilient** [ALY<sup>+</sup>21, LCT12, LZX<sup>+</sup>21, OK22, RDM<sup>+</sup>21, RSD<sup>+</sup>23a]. **Resistance** [ZJ11, ZH20].  
**Resistant** [VDK<sup>+</sup>21]. **Resistive** [BSL<sup>+</sup>18, DSB16, KKKK18, WRWW17, ZH20].  
**resonant** [LM13]. **Resonator** [ZLGL21].  
**Resource** [AVK16, NV14, OGB18, PHS<sup>+</sup>15, TZR20, TSÁ<sup>+</sup>24, TMG<sup>+</sup>21].  
**Resource-Constrained** [OGB18, TSÁ<sup>+</sup>24, TMG<sup>+</sup>21].  
**Resource-Efficient** [NV14, TZR20].  
**Response** [CMJ14, MGST22]. **Restoring** [MCT18]. **Restricted** [YP17]. **Resulting** [SDSS14]. **Retail** [KK12]. **Rethinking** [WZL16]. **Retrieval** [BBB<sup>+</sup>16]. **Reuse** [CH14]. **Reverse**

- [BWL<sup>+</sup>21, CCW18, QCF<sup>+</sup>16]. **Reversible** [DRSR14, DBG<sup>+</sup>14, DDR<sup>+</sup>16b, DJ08, HM14, LCSP14, Mog14, NV14, SMZ<sup>+</sup>19, SZSS10, SDSS14, SSP14, SWK<sup>+</sup>16, WDT14, CW08, LJ14, PSM<sup>+</sup>06, TR10, TR13]. **Review** [JLL<sup>+</sup>17, PYSJ22]. **RF** [CFK22, BSS16]. **RF/Analog** [BSS16]. **RIMEP2** [HM14]. **Ring** [HON21, ZFT13, ZLGL21]. **Ripple** [MGZ<sup>+</sup>17, RSD<sup>+</sup>23a]. **Ripple-Carry** [MGZ<sup>+</sup>17]. **Ripple-less** [RSD<sup>+</sup>23a]. **RMDDS** [LJ14]. **RNNFast** [SBZT20]. **RNNs** [TFZ<sup>+</sup>21]. **RO** [AHPC21]. **RO-PUF** [AHPC21]. **Robust** [ASB<sup>+</sup>21, AMH<sup>+</sup>24, BMB18, CQZK14, GRPT13, GJ17, LZX<sup>+</sup>21, LDZ22, MGK18, NAY24, PPM<sup>+</sup>13, SAAR20, CB09, WVGP13]. **Robustness** [BS15]. **Root** [MCT18]. **Router** [Bis17, DRL<sup>+</sup>19, KPFM16, CA11]. **Routing** [VRBS16, DDP20, HRR19, LKC15, LDL10, MKW<sup>+</sup>14, PHS<sup>+</sup>23, RHB<sup>+</sup>20, VOB19, WWG<sup>+</sup>19, RT07, XC08]. **RRAM** [CYL25, JRJ22, NHL<sup>+</sup>17]. **RRAMs** [FMW<sup>+</sup>22]. **RT** [ZBF<sup>+</sup>22]. **RT-RCG** [ZBF<sup>+</sup>22]. **RTL** [LDPPB21, WJWM23]. **Rule** [OBLD14]. **Rule-Based** [OBLD14]. **runtime** [GMM12].
- SaARSP** [LZXL22]. **SABER** [VDK<sup>+</sup>21]. **SAF** [MZZ23]. **Safety** [SPS<sup>+</sup>24]. **Sampling** [QGW20]. **SAT** [TSÁ<sup>+</sup>24]. **SAT-Based** [TSÁ<sup>+</sup>24]. **Satisfiability** [KDW<sup>+</sup>25]. **Saviors** [ABM21]. **Scalable** [BPS19, BS21, Che15, DBS<sup>+</sup>21, GLL<sup>+</sup>21b, GB18, MT14]. **Scale** [KCD15, KWWI17, PDL15, Bea11, CCTP08, LDL10, LGYC21, PDLS06]. **scaled** [LBGR08]. **Scaling** [BSS16, JOF<sup>+</sup>15, LYWW13, WCSA10]. **SCALPEL** [RD22]. **Scan** [RSBA23, WFCX09, HCTK08, XS14]. **Scan-based** [RSBA23]. **Scan-chain** [WFCX09]. **ScatterVerif** [MGST22]. **Scheduling** [BM15, MSCS19, OGB18, SM19, TSÁ<sup>+</sup>24, STA<sup>+</sup>12, ZJT<sup>+</sup>14]. **Scheme** [CHA20, GLMG<sup>+</sup>15, GB18, MKMS22, MGK18, MSC<sup>+</sup>21, WRWW17, XS14]. **Schemes** [NVW<sup>+</sup>22, SMR<sup>+</sup>21, GD12]. **SCKVdd** [Che15]. **Scoring** [AAFM13]. **SCT** [RT08]. **Search** [ZBF<sup>+</sup>22]. **Searches** [MT14]. **Secret** [BBB<sup>+</sup>16]. **Section** [SCLW19b, Bah09, LC08, Moh12]. **Secure** [ALY<sup>+</sup>21, CFK22, FKM22, MKMS22, RDS24, SK16]. **Securing** [EFRB22, PHS<sup>+</sup>23, RSBA23]. **Security** [AHS22, BSY<sup>+</sup>16, BGX<sup>+</sup>21, EDZ<sup>+</sup>23, FSDT23, FMP<sup>+</sup>21, GSC17, HMC25, IGR<sup>+</sup>16, KRG<sup>+</sup>23, LTM22, LYEK22, MAC<sup>+</sup>21, MPR<sup>+</sup>22, NVW<sup>+</sup>22, PRV<sup>+</sup>20, PAC<sup>+</sup>22, RNN<sup>+</sup>22, SMR<sup>+</sup>21, WYZ<sup>+</sup>20, WJWM23]. **Segment** [KXY16]. **Segment-Based** [KXY16]. **Segmentation** [CLZ<sup>+</sup>22, MCH22, WL22a]. **Seizure** [SGR<sup>+</sup>12]. **Self** [CBK<sup>+</sup>22, Che15, DLL<sup>+</sup>19, IBO22, LCK19, MRG22, MGK18, RMG15, TMM<sup>+</sup>07, YYBK19, LDL10, PDL07, WCSA10]. **Self-aware** [DLL<sup>+</sup>19]. **Self-learnable** [YYBK19]. **Self-Organizing** [RMG15, LDL10, PDL07]. **Self-Protecting** [LCK19]. **Self-Reference** [MGK18]. **Self-replicating** [TMM<sup>+</sup>07]. **Self-Stabilized** [Che15]. **Self-Test** [CBK<sup>+</sup>22, MRG22, IBO22]. **self-timed** [WCSA10]. **Semantic** [JDPH<sup>+</sup>23]. **Semi** [ZK18]. **Semi-Trained** [ZK18]. **Sense** [SFD17]. **Sensing** [MGK18, ZLGL21]. **Sensitive** [ZY18]. **Sensitivity** [LDK<sup>+</sup>18, WDG<sup>+</sup>20]. **Sensitivity-based** [LDK<sup>+</sup>18]. **Sensor** [LPB<sup>+</sup>15, LWM<sup>+</sup>14, MKMS22, MGS<sup>+</sup>12, RDS24, GD12, LWX<sup>+</sup>14, WOW<sup>+</sup>10]. **Sensors** [GGTG<sup>+</sup>20]. **Separable** [HYA<sup>+</sup>20, KRP<sup>+</sup>21]. **Separation** [KR18]. **Sequence** [PPM<sup>+</sup>13]. **Sequences** [MT14]. **Sequential** [NLL<sup>+</sup>17, CW08, TR10]. **SerDes** [XLL<sup>+</sup>18]. **serial** [Gla14]. **Series** [MKSW17]. **server** [MNT14]. **servers** [ABS<sup>+</sup>12, KSB<sup>+</sup>08]. **Setup** [GB18]. **SFQ** [GGHP<sup>+</sup>24, PP21]. **Share** [BS20]. **Shared**

- [HAV<sup>+22</sup>, PAB<sup>+17</sup>, VK18]. **Sharing** [CDP17, MKMS22, SSP14]. **SHARP** [VK18]. **Shielding** [ZCX<sup>+17</sup>]. **Shift** [VSRR15, TCSV09]. **Shift-Based** [VSRR15]. **shift-register-based** [TCSV09]. **shifter** [MP10]. **Short** [ZSPC19]. **Short-Term** [ZSPC19]. **ShuntFlowPlus** [GLL<sup>+21b</sup>]. **Si** [HCTK08, KAB<sup>+21</sup>]. **Side** [ABM21, ASK23, VDK<sup>+21</sup>, DDG<sup>+22</sup>, DCSA22, MLW<sup>+23</sup>, PYSJ22, PRV<sup>+20</sup>, RPBA21, RBHG21]. **Side-Channel** [ABM21, PRV<sup>+20</sup>, ASK23, DDG<sup>+22</sup>, DCSA22, MLW<sup>+23</sup>, RPBA21, RBHG21]. **Side-Channel-Resistant** [VDK<sup>+21</sup>]. **Sign** [FSDT23]. **Sign-off** [FSDT23]. **Signal** [LPM<sup>+19</sup>]. **Signaling** [KST<sup>+22</sup>]. **Signals** [YLR<sup>+23</sup>]. **Signature** [TW22, XZR<sup>+22</sup>]. **Signatures** [DDG<sup>+22</sup>]. **Signed** [GZZ<sup>+21</sup>]. **Silicon** [CDP17, KDMT22, MLW<sup>+23</sup>, STNP21, TZS14, XNK18, BPH<sup>+11</sup>, FSDT23]. **Silicon-correlated** [MLW<sup>+23</sup>]. **Silicon-Photonic** [CDP17]. **SILVerIn** [PB21]. **SIMD** [PDL07]. **Similarity** [KSA<sup>+22</sup>]. **Simple** [DDR<sup>+16b</sup>]. **Simplified** [FYJ<sup>+17</sup>]. **simplifying** [PSM<sup>+06</sup>]. **Simulated** [MPZ21]. **Simulation** [CJ14a, CJ15, FYJ<sup>+17</sup>, GHHW19, KKNM22, MLW<sup>+23</sup>, SWJ07, YLF<sup>+17</sup>, FGZ14]. **Simulation-based** [KKNM22]. **Simulator** [AVK16, RAC<sup>+24</sup>, VAK18, VSM19, ZLB<sup>+22</sup>, HYWA09, LJ10]. **Simulators** [ZF15, KCC<sup>+14</sup>]. **Single** [VRBS16, CEW<sup>+13</sup>, CCH16, WHL<sup>+21</sup>, SXL<sup>+12</sup>]. **Single-Electron** [CEW<sup>+13</sup>, CCH16, WHL<sup>+21</sup>]. **single-walled** [SXL<sup>+12</sup>]. **Situ** [MS19, ZK18]. **sizing** [LSH14]. **Sketching** [AL17]. **Skew** [NPA<sup>+12</sup>]. **SkyBridge** [BLKM23]. **Skyrmion** [KWC<sup>+20</sup>]. **Slicing** [LDZ22]. **Small** [MKW<sup>+14</sup>]. **Small-World** [MKW<sup>+14</sup>]. **SNE** [MPZ21]. **Sneak** [WRWW17]. **Sneak-Path** [WRWW17]. **SNN** [KWG<sup>+20</sup>]. **SoC** [GSC17, HLH<sup>+12</sup>]. **soft** [LWX<sup>+14</sup>, SKRX13]. **soft-error** [LWX<sup>+14</sup>]. **Software** [ASK23, AMA<sup>+14</sup>, BGX<sup>+21</sup>, IGGR19, KKY<sup>+20</sup>, LDPPB21, WZL16, ZJT<sup>+14</sup>, CNPR14, MNT14]. **Software-driven** [BGX<sup>+21</sup>]. **Solar** [RSD<sup>+23a</sup>]. **Solution** [BAT<sup>+22</sup>, BM15, KHC<sup>+22</sup>]. **Solutions** [FSDT23, FMP<sup>+21</sup>, LYEK22, LCK19, Rez23, VGZ11, ZCB<sup>+22</sup>, MN06, Moh12]. **Solver** [KDW<sup>+25</sup>, KTW08]. **Sort** [GUP11]. **Sorting** [ANT22, MSC<sup>+21</sup>]. **SOT** [PAF18]. **SOT-MRAM** [PAF18]. **Source** [Bis17, KR18]. **Sources** [BGX<sup>+21</sup>]. **Space** [LDK<sup>+18</sup>, ZJK22, TJ13a, XLBB06, ZJS09a]. **SPARCNet** [PJSM17]. **Spare** [BKJ19]. **Sparse** [HIH18, HYA<sup>+20</sup>, PJSM17, RMG15]. **Sparsification** [PSL<sup>+19</sup>]. **Sparsity** [YMW<sup>+21</sup>]. **Spatial** [KWFH12, LTO22]. **Spatio** [MMAAK23]. **Spatio-Temporal** [MMAAK23]. **Special** [BY12, CQL21a, CQL21b, DMYT15, DR11, DHK<sup>+23</sup>, FSDT23, FMP<sup>+21</sup>, GMGA23, Gui13, HN15, KK23, LZBW20, Moh12, MPR<sup>+22</sup>, MSW14, SCLW19b, SS15, SLCJ22, SK16, SN11, TTS22, TSB15, TSMCB17, TV17, WD22, ZLWB20, AD14, BC08, Bah09, CS07, Edi14, LC08, McK07, PG12, PR13, WDT14, XCF08]. **specialized** [BC08]. **Specific** [DKK<sup>+15</sup>, FC18]. **Specification** [MMD<sup>+20</sup>, OBLD14]. **spectrally** [KTW08]. **Speech** [CKC<sup>+18</sup>]. **Speed** [BYHT18, LTKP16, PAB<sup>+17</sup>, XLL<sup>+18</sup>]. **Speedup** [KAKSP14]. **SPICE** [KCC<sup>+14</sup>]. **SPICE-compatible** [KCC<sup>+14</sup>]. **Spike** [AMF<sup>+15</sup>, LYL19, MSC<sup>+21</sup>, ZWL<sup>+15</sup>]. **Spike-Time-Dependent** [ZWL<sup>+15</sup>]. **Spike-Timing-Dependent** [AMF<sup>+15</sup>]. **Spike-timing-dependent-Plasticity** [LYL19]. **Spiking** [ASB<sup>+21</sup>, BVM<sup>+19</sup>, CThG15, HIH18, JRJ22, KCD15, LZXL22, LMZZ24, L JL18, LYL19, MSC<sup>+21</sup>, NAY24, RBG<sup>+22</sup>, SPR18, VOB19, LMZZ24]. **Spiking-NeRF** [LMZZ24]. **Spin**

- [AKW<sup>+</sup>13, MS17, SCT<sup>+</sup>22, VSRR15, WYZ<sup>+</sup>20, YLF<sup>+</sup>17, CSKM13, CWL<sup>+</sup>13, EWKNW07, MFA<sup>+</sup>13, XZR<sup>+</sup>22].
- Spin-based** [WYZ<sup>+</sup>20]. **Spin-Torque** [YLF<sup>+</sup>17]. **Spin-transfer** [AKW<sup>+</sup>13, XZR<sup>+</sup>22, CWL<sup>+</sup>13, MFA<sup>+</sup>13]. **spin-transfer-torque** [CSKM13]. **spin-wave** [EWKNW07]. **SpiNNaker** [PCD<sup>+</sup>11]. **Spintronic** [AMH<sup>+</sup>24, IGR<sup>+</sup>16, SBT20].
- Spintronic-based** [AMH<sup>+</sup>24]. **Spintronics** [KZW<sup>+</sup>15]. **Split** [CZW<sup>+</sup>19]. **Splitters** [DWK<sup>+</sup>16]. **Square** [MCT18]. **SRAM** [GJ17, KHC<sup>+</sup>22, RKM15, TFR23]. **SRAMs** [RMW<sup>+</sup>17]. **SRLL** [HMC25]. **SSS** [DLL<sup>+</sup>19]. **Stabilized** [Che15]. **stacked** [KWFH12, MHM<sup>+</sup>08, SKRX13, ZS08]. **stacked-Vdd** [ZS08]. **stacking** [KSB<sup>+</sup>08, MHM<sup>+</sup>08]. **Stage** [ZGSA15]. **Stand** [RFDT15]. **Stand-By** [RFDT15]. **Standard** [CMJ14, KCWL<sup>+</sup>16, MS17]. **STAP** [dLBHC22]. **State** [MDS21, ABS<sup>+</sup>12]. **Static** [DLL<sup>+</sup>19]. **Static-dynamic** [DLL<sup>+</sup>19]. **Statistical** [LTKP16, YJ18]. **STDP** [SAAR20, SPR18]. **STDP-based** [SAAR20, SPR18]. **Stealthy** [CMZR23]. **Step** [WRWW17]. **STIFT** [MMAAK23]. **Stitch** [MDS21]. **Stochastic** [ACH<sup>+</sup>17, AL17, EDCL<sup>+</sup>22, GIS<sup>+</sup>22, KKNM22, LNL19, LQYL19, LP17, LMM18, MZR<sup>+</sup>14, MKSW17, MS19, MS20, NLL<sup>+</sup>17, NPH18, PHS<sup>+</sup>23, ZCDD19]. **stochastically** [GRS05]. **Stone** [BSL<sup>+</sup>18]. **Storage** [SCZ<sup>+</sup>12, VSRR15, VTKT22, YYPK17, ORC<sup>+</sup>24]. **strain** [LWH14]. **Strategies** [SFD17, FRB08, GRS05]. **Strategy** [MSCS19]. **Stream** [GLL<sup>+</sup>21b]. **Streaming** [GYM<sup>+</sup>17, KR18, QGW20]. **Streams** [GGTG<sup>+</sup>20]. **stretching** [MRH12]. **Structure** [DDR<sup>+</sup>16b, YYPK17]. **Structured** [AHS17, LH20]. **structures** [PSM<sup>+</sup>06]. **STT** [AKW<sup>+</sup>13, LPW18, NLW<sup>+</sup>20, PFRR17, SFD17, SMT21, VDB<sup>+</sup>16, ZCX<sup>+</sup>17]. **STT-MRAM** [AKW<sup>+</sup>13, SMT21]. **STT-MRAM-based** [NLW<sup>+</sup>20]. **STT-RAM** [LPW18]. **STTRAM** [GG17, MGK18, WX15]. **STTRAM-Based** [GG17, WX15]. **studies** [CNPR14]. **Study** [DDR<sup>+</sup>16a, KWC<sup>+</sup>20, KST<sup>+</sup>22, PPM<sup>+</sup>13, PSY<sup>+</sup>18, RAG<sup>+</sup>25, SCT<sup>+</sup>22, YLF<sup>+</sup>17, CB09, HCTK08]. **styles** [CJ14b]. **Sub** [GVRR17, ON15, RFDT15, WOW<sup>+</sup>10]. **Sub-** [RFDT15]. **Sub-10nm** [GVRR17]. **Sub-Block** [ON15]. **sub-mW** [WOW<sup>+</sup>10]. **Subcrossbar** [YL14]. **Substrate** [PAB<sup>+</sup>17]. **Success** [NPS<sup>+</sup>20]. **Suite** [XCS<sup>+</sup>19]. **Sum** [KKK22]. **Super** [GVRR17]. **Super-Threshold** [GVRR17]. **Supercapacitor** [LPB<sup>+</sup>15]. **Supercapacitor-Based** [LPB<sup>+</sup>15]. **Superconducting** [GGHP<sup>+</sup>24, PP21]. **Supervised** [CZQK15, LYL19]. **Supervision** [EFRB22]. **Supply** [EFRB22, LWM<sup>+</sup>14, MLP<sup>+</sup>20, MMJ09]. **Support** [CTT<sup>+</sup>20, KMS<sup>+</sup>20, PJT25]. **Surface** [CMJ14, KDMT22, KTW08]. **Surface-Wave** [KDMT22]. **Surgical** [XYJ<sup>+</sup>21]. **Survey** [BVM<sup>+</sup>19, EDZ<sup>+</sup>23, GBLD15, GNY<sup>+</sup>22, KAB<sup>+</sup>21, KK12, KRG<sup>+</sup>23, Mit16, Mit17, QCF<sup>+</sup>16, SFD17, STNP21, CNPR14]. **sustainability** [KMD12]. **Sustainable** [RSD<sup>+</sup>23a, RSD23b, PG12]. **SW** [JRLR15]. **SWIFTNoC** [CDP17]. **Swing** [SSF<sup>+</sup>15]. **Switched** [GB18]. **Switching** [BSL<sup>+</sup>18, DRG21, MKG<sup>+</sup>23]. **SWMR** [HAV<sup>+</sup>22]. **Symbol** [GLL<sup>+</sup>21a]. **Symmetric** [DDR<sup>+</sup>16b]. **Symposium** [Shu09]. **Synapse** [LWY22]. **Synapses** [WKL16, WLJC21, JRC<sup>+</sup>13]. **Synaptic** [BOAC<sup>+</sup>20, KZL15, WKL16]. **Synchronous** [RFDT15]. **Synthesis** [AHSZ16, CEW<sup>+</sup>13, CH14, CCH16, CW08, DRSR14, DWK<sup>+</sup>16, DDR<sup>+</sup>16b, GCJ17, HSZM17, HD14, LCSP14, MPM13, PT14a, PAC<sup>+</sup>22, SMZ<sup>+</sup>19, SSP14, SKB13, CCTP08, DJ08, LJ14, MMJ09, PT14b, SZSS10, SC08,

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