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2
[CJ14a, CV12, HYWA09, RSD23b, SMT+17]. 20 [NPS+20]. 3
[ARLB18, AGD+20, BAT+22, VRBS16, BLKM23, BCT+13, CKC+18, CMK+21, CJ14a, CBK+22, CH14, CRKP22, FRB08, KSB+08, KYEB15, KKC17, KWWI17, LKC15, LDK+18, LKK+22, LDP+20, MRG22, SCL17, SKRX13, TJ13b, TTS22, TZS14, VOB19, WL22a, XLBB06, XCF08, XDX14, XPD12, ZJS10, ZMC15, ZCB+22]. 4
[LCSP14]. K [VOB19]. κ [MP10]. μ [RFDT15]. $\Sigma\Delta$ [GGTG+20]. T [YYC07, MPZ21]. $\Theta(\sqrt{n})$ [CV12]. V_{th} [MP10].

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

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

1 [LZBW20]. **100GBd** [XLL+18]. **10nm** [GVRR17]. **14nm** [TGCJ16]. **19** [KKNM22]. **1S1R** [BSL+18].

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

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

[JCK23, KKNM22, ZJT+14]. **Accelerating** [AAO21, CRKP22, DEW+23, ERGK21, LWY22]. **Acceleration** [ASP+18, BRZ21, KMC+22, LZXL22, ORC+24]. **Accelerator** [DCP+21, DK21, DBS+21, GLL+21b, HM21, KPM22, KPPB17, LLX+18a, NAY24, PJSM17, PAP+22, SBZT20, YLR+23, ZBF+22, ZK18]. **Accelerators** [BBB+22, CMZR23, GGHP+24, HFLZ22, KAS+22, KKK22, LTO22, LYL19, MEHT21, MMAAK23, WL19, WL22a, XCS+19]. **Accelerators-based** [MEHT21]. **Access** [AIK21, GLMG+15, LBJ+16, RSD23b, AKW+13, CSKM13]. **Access-Transistor-Free** [GLMG+15]. **accessibility** [GN08]. **AccHashtag** [JCK23]. **Accumulation** [BSS16]. **Accumulation-Mode** [BSS16]. **Accuracy** [ACH+17, GKT+18, NPH18, TKBM12, WWZ+22]. **Accurate** [CMJ14, CQZ+21, CLZ+22, ZF15, KTW08]. **Achievable** [KAKSP14]. **achieving** [WWJ09]. **ACM** [BC08, SLCJ22, Shu09, ZLWB20]. **across** [AMVG12, JRLR15]. **Activation** [HLH+12, LQYL19, YMWH21]. **active** [ABS+12, PDLS06]. **Activity** [MKG+23]. **Actuators** [ZF15]. **Adaptation** [LJL18]. **Adapting** [AIK21]. **Adaptive** [GLMG+15, MGK18, KMD12, LCT12]. **ADC** [MSB+22]. **Adder** [BSL+18, ISI+18, MGMU22, MGZ+17, NV14, CV12, TR13]. **Adders** [AHHS21]. **Addition** [CV11]. **Address** [IASK20]. **Addressable** [GG17]. **addressing** [SRD+06]. **Adiabatic** [KT20]. **Advanced** [GHHW19, YWF18]. **Advances** [TSB15]. **Adversarial** [HMP+22, HYPW22, LDZ22, XZL+21]. **AER** [KWG+20]. **AES** [YWF18]. **Against** [DCSA22, PHS+23, GCC+23, GSC17, LDZ22, RSBA23, ZCX+17]. **aggregated** [HMP+22]. **aging** [AMA+14, CNPR14, KCC+14]. **Agnostic** [CTP14]. **AI** [JHPG22, PYSJ22]. **AI-enhanced** [PYSJ22]. **Algorithm** [CRSSBMR21, CEW+13, DBS+21, LCSP14, LFDS22, MPZ21, MCT18, PP21, RDH14, SKB13, VOB19, YL14, BBB+22]. **Algorithms** [CLKG17, CLSD18, CQL21a, CQL21b, MS19, PT14a, SCLW19b, SCLW19a, GMM12, PSM+06]. **alive** [ABS+12]. **All-Optical** [GB18, EDCL+22]. **All-Spin** [MS17, VSRR15, XZR+22]. **Alleviate** [WXW+17]. **Allocation** [KXY16, LKL+18, WWJ09]. **Allocator** [WL22b, YXD+17]. **Allow** [KMS+20]. **alternate** [LBGR08]. **Alternative** [RKM15, TV17]. **ALU** [SDSS14]. **Amplifier** [SFD17]. **Analog** [ASP+18, BY18, BSS16, CHA20, KKK22, MSC+21, RSD+23a, WWZ+22, YLR+23, ZSPC19, CFK22]. **Analog-Trojan-resilient** [RSD+23a]. **Analysis** [AHPC21, ARLB18, AHS22, AHHS21, BBB+16, BWL+21, GRPT13, GG17, GFZ13, GPW+15, HON21, KBT24, KYEB15, KCWL+16, LTKP16, MLW+23, NLK+13, PYSJ22, RPBA21, RBHG21, WDG+20, WYZ+20, CCTP08, CSKM13, CWT14, DWL10, HCTK08, KSG14, PHS+23, PFOL07, RBGC14, ZFT13]. **Analytic** [VOB19]. **Analytical** [KYEB15, REL+22]. **Analytics** [CRKP22]. **Analyzing** [PAC+22]. **Annotation** [PPM+13]. **Anomaly** [KPFM16]. **Anonymity** [WM24]. **Anonymous** [PHS+23]. **ANT** [CLZ+22]. **ANT-UNet** [CLZ+22]. **Anti** [CCW18]. **Anti-Reverse** [CCW18]. **API** [RBG+22]. **Application** [AIK21, DKK+15, DJH+19, FC18, LZX+21, Tah06, WDG+20, AMVG12, XS14]. **Application-driven** [WDG+20]. **Application-independent** [Tah06]. **Application-Level** [LZX+21]. **Application-Specific** [DKK+15, FC18]. **Applications** [ASP+18, BOAC+20, FNO+19, GYM+17, GLL+21b, HVB22, IGGR19, JWJ+17, KPPB17, KHC+22, SJKS20, SLCJ22,

SHAC19, TTS22, MFA+13, PFOL07]. **Approach** [ARD24, BM15, BBB+22, BS15, DRSR14, DJ16, JRLR15, LDK+18, SMR23, SMR+21, ZY18, ZGSA15, CQZK14, RT08, SZSS10]. **Approaches** [EDZ+23, SMZ+19]. **Approximate** [AHHS21, GP17, JLL+17, LQYL19, MEHT21, SJKS20, SVA+18, SBT20, TT20]. **Approximation** [HYPW22]. **Arbitrary** [Mog14]. **Architecting** [KBM21, Mit17]. **Architectural** [ABM21, Mit16, VO06, WKL16]. **Architecture** [AMH+24, AM18, BYHT18, CRKP22, CNH12, CTT+20, DPB11, GLL+21a, GLL+21b, JOF+15, JMKM21, JRJ22, KDSD24, LZXL22, LLX+18a, LZBW20, LDP+20, LPM+19, MAC+21, NLL+17, SGR+12, VK18, VDB+16, VOB19, WX15, YYBK19, ZLB+22, ZLWB20, ZK19, dLBHC22, CQZK14, CV12, CA11, MTC+08, Moh12, PDLS06, PDL07, SCI+09, TWL09, TCSV09, ZJS09a, ZJS10, ZJS09b]. **architecture-level** [Moh12]. **Architectures** [ACM+20, AMF+15, CMM+18, CDP17, CCWCC15, DJ16, ERGK21, GCO+11, GMGA23, GNY+22, KK23, LGL15, MSB+22, MPZ21, Rez23, RMG15, Shu09, WZL16, YJ18, YP17, BPH+11, CDG+12, Deh05, FGZ14, KWFH12, WVGP13, XLBB06, ZMT13]. **Area** [CKC+18, CCH16, KCWL+16, PFRR17, XZR+22, RT07]. **Area-efficient** [XZR+22]. **Arithmetic** [JLL+17, PAP+22, VMNI08, Gla14, WL22a]. **AroMa** [CMZR23]. **Array** [KKY+20, LZXL22, LYWW13, MZZ23, MTC+08]. **Arrays** [BSL+18, CEW+13, CCH16, HHD+23, WHL+21, ZJK22, CCTP08, CSKM13]. **Artifact** [KRP+21]. **Artificial** [Dea14, KBM21, WLJC21, XYJ+21]. **ASBUS** [YWF18]. **ASIE** [KWG+20]. **ASL** [ALY+21]. **Assays** [GCB14]. **assembled** [GRS05]. **Assertions** [WJWM23]. **Assessment** [RNN+22, VOB19]. **Assignment** [YJ18, SLS+14, ZS08]. **Assisted** [MPR+22]. **Associated** [GCO+11]. **Associative** [CCWCC15, JRJ22, SBR19]. **Assurance** [BWL+21, GCC+23, AML+23, JDPH+23]. **assured** [MEHT21]. **Asymmetric** [CJ16, GVRR17, GJ17, GZZ+21, LPW18]. **Asynchronous** [GRPT13, GGTG+20, KWG+20, SM11, VGZ11, VSM19, ZSXY11, CB09]. **Asynchrony** [SN11]. **Attack** [DDG+22, GCTF20, HMP+22, LZX+21, WHB+21, ZLGL21]. **Attacks** [ABM21, ASK23, BGX+21, CMZR23, DCSA22, GCC+23, JCK23, JWJ+17, LYEK22, LTO22, LDZ22, PHS+23, RSBA23, WM24]. **Audio** [HYPW22]. **Audit** [SPS+24]. **Authentic** [TFR23]. **Authentic/Counterfeit** [TFR23]. **Authentication** [Bis17, IGR+16, MKMS22, RDS24]. **Authorization** [ASMK22]. **Autoencoders** [HYPW22]. **Automata** [DPB11, TNWD20, dLBHC22, DWL10]. **Automated** [DMR06, GCJ17, WJWM23, XHSC07, ZS08]. **Automation** [WD22, ZCB+22, CZ05]. **Autonomous** [LPB+15]. **Auxiliary** [LDZ22]. **Aware** [GLMG+15, GUP11, MPM13, MKW+14, NPS+20, PFRR17, PRG+15, SLCJ22, WX15, DJH+19, DLL+19, LHHZ19, MSCS19, RHB+20, RMBC12, SAAR20, STA+12, TMG+21, YWH+13].

B [FCR23]. **B-open** [FCR23]. **Back** [NLW+20]. **Backpropagation** [DCP+21]. **Backside** [DDR+16a]. **ballistic** [HYWA09, PFOL07]. **bar** [KKY+20]. **Barely** [ABS+12]. **Barnes** [MPZ21]. **Based** [AIK21, BBB+16, BSY+16, BYHT18, CZW+19, DCP+21, DDP20, DKK+15, DJH+19, FYJ+17, GCO+11, GRPT13, GG17, HFLZ22, HC15, HYPW22, KXY16, KBC+23,

KHC+22, KT20, LTKP16, LPB+15, LQYL19, LLX+18b, LWY22, MZZ23, MPM13, MSB+22, MKSW17, MAC+21, NLL+17, NPA+12, OBLD14, QGW20, RAC+24, RNN+22, STSG17, SGR+12, SSF+15, TZS14, TSÁ+24, VAK18, VDB+16, VSRR15, WX15, WL19, WLJC21, XLL+18, YXW+12, YLF+17, YYPK17, ZJ11, ZCX+17, ZY18, ZF15, AMH+24, ABR+21, ABM21, ASK23, AHS22, BBB+22, BMTP24, Bis21, CKA23, CZ05, CHN09, DMR06, Deh05, DBS+21, FSD22, GD12, Gla14, GCTF20, HON21, HRR19, HMS+05, IBO22, KPM22, KKY+20, KKNM22, LYEK22, LJ10, LDK+18, LDP+20, LTO22, MDS21, MKMS22, MSCS19, MEHT21, MN06, MS20, NLW+20, RSBA23, Rez23, RDS24, RCYB22, SZSS10, SAAR20, SPR18, SC06, TCSV09, TR13, VOB19].
based [WWG+19, WYZ+20, WL22a, XYJ+21, XZR+22, YYBK19, ZLB+22, ZCDD19, ZH20, WZSC09]. **Batching** [LML+19]. **BCD** [TR13]. **BD** [HYA+20]. **BD-Net** [HYA+20]. **Be** [ABM21]. **beamed** [KK12]. **Beat** [LTKP16]. **Behavior** [BOAC+20, GSC17, SMT21]. **Behaviors** [AIK21]. **Benchmark** [XCS+19]. **Benchmarking** [BHLD19]. **Benefit** [CKC+18]. **Best** [Bah09]. **between** [BMTP24, LDPPB21, TGCJ16]. **Beyond** [KAB+21, KZW+15]. **bias** [KCC+14]. **Biased** [WL19]. **Big** [MLP+20]. **BigBus** [BPS19]. **Binarized** [HYA+20, SBR19]. **Binary** [CCWCC15, GCJ17, HM21, LLX+18a, NHL+17, SBR19, TR13]. **biochemical** [RBGC14]. **Biochips** [BMB18, GCB14, HRR19, LBB+18, MPM13, OGB18, CZ05, DJRM09, DDM+06, RMBC12, RBGC14, SC06, SC08, XHSC07, XC08, YYC07]. **BioFoundries** [DHK+23]. **Bioinformatics** [Gui13]. **Biological** [BBR+23]. **Biology** [Dea14, FHFK14, HD14, MHW14, MSW14, OBLD14, VMV13]. **Biomedical** [LZCX22, MCH22]. **Biosequence** [GFZ13]. **Bit** [GZZ+21, LCSP14, LDZ22]. **Bit-plane** [LDZ22]. **Bit-Widths** [GZZ+21]. **Bitlet** [REL+22]. **Bitline** [LYWW13]. **Black** [HYPW22]. **Black-box** [HYPW22]. **Bladder** [MGS+12]. **Blind** [CVK15]. **Block** [CZQK15, ON15]. **Bluetooth** [EFRB22]. **Bluetooth-enabled** [EFRB22]. **Board** [PB21]. **Boards** [MGST22]. **Boltzmann** [YP17]. **bond** [XS14]. **Bonding** [KKC17]. **Boolean** [GKT+18, SWK+16]. **Bottom** [NLK+13]. **Bottom-up** [NLK+13]. **bound** [KHC+22]. **bounded** [PP21]. **box** [HYPW22]. **BPLight** [DCP+21]. **BPLight-CNN** [DCP+21]. **Brain** [BY18, KWWI17, WL22a]. **Brain-inspired** [BY18]. **Breaking** [WM24]. **Bridging** [LDPPB21]. **broad** [GN08]. **Brownian** [PLC+13]. **Budget** [TFZ+21]. **build** [KSB+08]. **buildable** [LRN05]. **Building** [BBR+23]. **Built** [CBK+22, IBO22, MRG22, CWL+13]. **Built-In** [MRG22, CBK+22, IBO22]. **Bulk** [BSS16]. **Bundled** [SMT+17]. **Bundled-Data** [SMT+17]. **Bundling** [SBR19]. **Bypass** [OYLL24, OYLL24].

Cache [ARD24, GB18, HAV+22, NLW+20, VSRR15, ZMC15, TJ13a]. **Caches** [ON15, PAB+17, SMT21, CWL+13]. **CAD** [FSDT23]. **Calculus** [DD14]. **Call** [SN10]. **Can** [ABM21, WGY21]. **Canonization** [GUP11]. **Capacity** [KXY16, TT21]. **Carbon** [DLWW08, GRPT13, HC15, LKK+22, HZY+12, MN06, SXL+12]. **Carry** [MGZ+17]. **Case** [AGD+20, PPM+13, SCT+22, HCTK08]. **Cash** [FMTP22]. **Causality** [MJ11]. **CBRAM** [MKSW17]. **CBRAM-Based** [MKSW17]. **Cell** [BCT+13, GG17, MGMU22, SFD17, XZR+22, SWJ07]. **Cell-based** [XZR+22]. **Cells** [CMJ14, DSB16, KCWL+16, MS17, CWL+13]. **Cellular** [DPB11, LLX+18b, TNWD20, XLW+18, CCTP08, DWL10]. **center**

[BPB+12, KMD12, SMR+12]. **centers** [AMVG12]. **Centric** [KPPB17, NYL+20, GNY+22]. **CGRAs** [JOF+15, TSÁ+24]. **Chain** [MLP+20, GD12, WFCX09]. **chain-based** [GD12]. **Challenges** [BVM+19, FMP+21, Ko12, Nar05, Rez23, MN06, YW13]. **Challenging** [SMR+21]. **Change** [WZL16, JRC+13]. **Channel** [ABM21, VDK+21, CDP17, PYSJ22, PRV+20, ASK23, DDG+22, DCSA22, MLW+23, RPBA21, RBHG21]. **Characteristics** [KKKK18]. **Characterization** [ASK23, AMA+14, LCY19, NLW+20, TJ13b, KWFH12]. **Charge** [RFDT15]. **Check** [LBJ+16]. **Check-Pointing** [LBJ+16]. **Checking** [MZR+14]. **Checks** [ABR+21]. **chemically** [CNHL08]. **Chip** [ASK23, BS21, VRBS16, BKJ19, Bis17, Bis21, CLKG17, CMM+18, CZQK15, CKC+18, CCW18, CTP14, DJ16, FNO+19, GMGA23, KST+22, KDMT22, KK23, LDK+18, LWM+14, LWY22, MSCS19, OYLL24, PDL15, PRG+15, QCF+16, Rez23, SCLW19a, TZS14, VK18, VSM19, WXW+17, WM24, XYM18, ACM+20, BPH+11, CLSD18, CDG+12, CWL+13, CJ14b, CA11, DLL+19, GMM12, KMC+22, LMC+11, LWX+14, SCLW19b, WVGP13, ZFT13, ZXC10, PCD+11, YXW+12]. **Chip-Level** [CCW18]. **Chips** [CMK+21, TFR23, PHS+23]. **choices** [Nar05]. **Chronic** [MGS+12]. **CIM** [HVB22]. **Circuit** [ACH+17, CJ16, DRSR14, GRPT13, GCJ17, GB18, HSZM17, KHR+15, LZBW20, MCT18, NPH18, PB21, SAAR20, TT20, TGCJ16, TW22, TSMCB17, VAK18, ZLWB20, BJ10, DLWW08, KCC+14, MRH12, MMJ09, Moh12, SZSS10, XDX14, YWH+13]. **Circuits** [AUDS22, AMF+15, BM15, BS15, Che15, CV11, DDP20, DD14, DWK+16, DNHL11, HM14, HLS14, HN12, JLL+17, KZW+15, KDSD24, KKC17, LKK+22, LCSP14, MZR+14, MJ11, PP21, PLC+13, RHB+20, SMZ+19, SM11, SMT+17, TJ13b, TSB15, VGZ11, WWG+19, XZR+22, ZM22, BCT+13, HZY+12, KT14, LRN05, LWH14, LJ14, MHL08, MN06, PSM+06, Sek07, TR10, TR13, WFCX09, XCF08]. **Circular** [Bis21]. **Classical** [DD14, MMD+20]. **Classification** [BYHT18, JLL+17, KPPB17, NYL+20]. **Classifier** [MSC+21]. **Classifiers** [LQYL19, LDZ22]. **Clock** [CH14, Che15, ANR+14, MRH12, XPD12]. **Clock-Controlled** [Che15]. **Clock-Tree** [CH14]. **Clocking** [PP21, SSF+15]. **Clockless** [MJ11]. **Closed** [CTT+20, SSN12]. **Closed-Loop** [SSN12]. **Cloud** [DHK+23, KK23, PHS+15, AMA+14]. **CLU** [DK21]. **Cluster** [DBS+21, YYBK19]. **Cluster-based** [DBS+21, YYBK19]. **Clustering** [DRSR14]. **Clusters** [PPM+13, RT07]. **CMOS** [ASP+18, CB09, Che15, HN12, HLH+12, KHR+15, MP10, Nar05, NAY24, RT07, RYT+07, SCI+09, SXL+12, ZJS09a, ZJS09c, ZJS09b, ZJS10, ZC07, MRR12]. **CMOS-Memristive** [NAY24]. **CMOS-nano** [CB09]. **CMOS/** [MRR12]. **CMOS/molecular** [RYT+07]. **CMPs** [GB18, SKRX13]. **CNFET** [MGMU22, PFOL07]. **CNN** [DCP+21, KPM22]. **Co** [GKT+18, IGGR19, KKY+20]. **Co-design** [IGGR19]. **Co-optimization** [KKY+20]. **Co-Processor** [GKT+18]. **Code** [CKA23, HH11, LPW18]. **Code-based** [CKA23]. **Codesign** [WXW+17]. **Cofactor** [SSP14]. **Cognitive** [KZL15]. **Coherent** [GB18]. **Color** [LM13]. **Combating** [LPW18]. **Combination** [VMV13]. **Combinational** [SBR19]. **combined** [ZFT13]. **Communication** [KDMT22, KK23, LGL15, NVW+22, WM24,

LMC+11, SX11]. **Community** [HIH18]. **Compact** [JMKM21, SCT+22, DLWW08]. **Comparative** [DDR+16a, JLL+17, KWC+20, KST+22, KCWL+16]. **Compare** [REL+22]. **Comparison** [LLSO17, PYSJ22]. **Compartmentalization** [RD22]. **Compatible** [KCD15, KCC+14]. **compensation** [MRH12]. **Competitive** [KSA+22, KHC+22]. **Compilation** [HFLZ22, NPS+20]. **Compiler** [LKK+22, RBG+22]. **Compilers** [SPS+24]. **complete** [WWG+19]. **completion** [MNT14]. **Complex** [PSY+18, TT21, WVGP13]. **Complexity** [MCH22, SGR+12]. **Component** [AHPC21]. **Components** [Mit17]. **Composable** [MHW14, ZCDD19]. **Comprehensive** [VOB19]. **Compressing** [TFZ+21]. **Compression** [MCH22]. **Compressive** [QGW20]. **Compressors** [GP17]. **Computation** [AL17, CVK15, HVB22, HSZM17, MSB+22, MMD+20, TNWD20, YLF+17, ZLB+22, YWH+13, WDT14]. **Computation-In-Memory** [HVB22, MSB+22, ZLB+22]. **Computational** [KHC+22, MSW14, TT21]. **Computations** [MDS21]. **Compute** [WWZ+22]. **Compute-in-Memory** [WWZ+22]. **Computed** [XYJ+21, XZL+21]. **Computer** [AVK16, EDZ+23, GNY+22, WZL16, CV12]. **Computers** [JRLR15, PSY+18, SCT+22]. **Computing** [Ano18, ASP+18, BY18, BOAC+20, BH17, CQZ+21, DMYT15, EDCL+22, FYJ+17, FSD22, GIS+22, HN15, JRLR15, KZL15, KKK22, KWWI17, LGL15, LP17, Mit16, MS20, NLL+17, NV14, NYL+20, NHL+17, PAF18, RCYB22, SJKS20, SCL17, SMR23, SVA+18, SBR19, SDSS14, SK16, SHB+21, SPR18, TTS22, TSMCB17, TV17, VAK18, WYZ+20, WD22, XNK18, ZSPC19, ZK18, AMA+14, KMD12, KT14, MHL08, McK07, PG12, VO06, WZSC09, WDH+09, YW13]. **Computing-In-Memory** [KKK22, WYZ+20]. **CONCEALING** [RDM+21]. **CONCEALING-Gate** [RDM+21]. **Conditional** [PSR17]. **Configuration** [Bis17]. **configuring** [RT08]. **Congenital** [XYJ+21]. **Congestion** [MKW+14, RMBC12]. **Congestion-Aware** [MKW+14, RMBC12]. **Connected** [AGD+20]. **Connections** [LKC15]. **Connectivity** [OYLL24]. **Conservative** [PPM+13]. **consideration** [LWH14]. **Considerations** [MRR12, UMB+18, ZM22, BJ10, WOW+10]. **considering** [RYT+07, SLS+14]. **Consistent** [XZL+21]. **Constants** [Mog14]. **Constrained** [OGB18, SCLW19b, SCLW19a, TSA+24, TMG+21, XHSC07]. **Constraint** [WXW+17]. **Constraints** [CCH16, CNHL08, XHSC07]. **Constructions** [CKA23]. **Consumption** [FC18, LBJ+16, LYWW13]. **Contactless** [RDM+21]. **Content** [GG17]. **Contradictory** [DWK+16]. **Control** [GYM+17, GCB14, QGW20, RSD23b, ZXC10]. **control-path** [ZXC10]. **Controllable** [MGZ+17]. **Controllable-Polarity** [MGZ+17]. **Controlled** [Che15, DNHL11, HZSA14, MSB+22, SXL+12]. **Controllers** [ARD24]. **Converter** [TZS14]. **Convolution** [HYA+20, KPM22, SPR18]. **Convolution-over-time** [SPR18]. **Convolutional** [AHS17, DK21, KRP+21, LLX+18a, LPM+19, ORC+24, PJSM17, PSL+19, TZR20, ZH20]. **Coprocessor** [ASP+18]. **Core** [BKJ19, DMYT15, KDMT22, KPFM16, Rez23, YWF18, DJH+19]. **correlated** [MLW+23]. **Correlation** [AAFM13, WM24]. **Cortically** [DBS+21]. **Cosine** [DBG+14, KSA+22]. **COSMO** [GIS+22]. **Cost** [GLL+21a, GCJ17, HSZM17, KXY16, KHC+22, LCSP14, LNL19, MRG22, LBGR08, TR10]. **Cost-competitive**

[KHC+22]. **Cost-Effective** [MRG22]. **Cost-Efficient** [GLL+21a]. **count** [MCT18]. **Counter** [HON21]. **Counterfeit** [TFR23]. **Countering** [LYEK22]. **Countermeasure** [BBB+16, GCTF20]. **Countermeasures** [DLTSNA20]. **Counting** [VAK18]. **Coupled** [GKT+18, YLF+17, WWG+19]. **Coupling** [AGR+23, KKC17]. **COVID** [KKNM22]. **COVID-19** [KKNM22]. **CPDI** [XDX14]. **CPU** [REL+22]. **Critical** [CWT14, SPS+24, SHAC19]. **Critical-reliability** [CWT14]. **Criticality** [DRL+19, WDG+20, YWH+13]. **Cross** [BS15, DDG+22, DKK+15, KWC+20, KST+22, KKY+20, LYWW13, PRG+15, SS15, ZGSA15, XDX14]. **Cross-bar** [KKY+20]. **Cross-device** [DDG+22]. **Cross-Layer** [BS15, DKK+15, KST+22, PRG+15, SS15, ZGSA15, KWC+20]. **Cross-Point** [LYWW13]. **cross-power** [XDX14]. **Crossbar** [BSL+18, KZL15, LLSO17, MZZ23, NHL+17, UMB+18, WDW13, WRWW17, YL14, ZJK22, ZH20, ZK18, CQZK14, Tah09, ZMT13]. **Crossbar-based** [ZH20]. **Crossbars** [MS19, PDL15]. **Crossover** [RHB+20]. **Crossover-aware** [RHB+20]. **Crosstalk** [SMR23]. **Crypsis** [GSC17]. **Crypto** [PHS+23]. **Crypto-analysis** [PHS+23]. **Cryptographic** [ABR+21, RSBA23]. **Cryptography** [CHA20]. **Cryptosystems** [CKA23]. **Crystal** [EDCL+22]. **CSMO** [WDG+20]. **CT** [KBC+23]. **Cubes** [DRSR14]. **Current** [AMH+24, KKKK18, MGK18, RFDT15]. **Current-Voltage** [KKKK18]. **Cyber** [LBB+18]. **Cyber-Physical** [LBB+18]. **Cycle** [FSDT23, XZL+21, ZF15, SZSS10]. **Cycle-Accurate** [ZF15]. **cycle-based** [SZSS10]. **Cycles** [JRLR15]. **cycling** [GD12].

D [CV12, ARLB18, AGD+20, BAT+22, VRBS16, BLKM23, BCT+13, CKC+18, CMK+21, CJ14a, CBK+22, CH14, CRKP22, FRB08, HYWA09, KSB+08, KYEB15, KKC17, KWWI17, LKC15, LDK+18, LKK+22, LDP+20, MRG22, SCL17, SKRX13, TJ13b, TTS22, TZS14, VOB19, WL22a, XLBB06, XCF08, XDX14, XPD12, ZJS10, ZMC15, ZCB+22]. **D-IC** [BLKM23, CH14]. **D-NoC** [VOB19]. **D-ReG** [LDP+20]. **DAC** [CS07, LC08]. **DAHM** [AMVG12]. **Dark** [KDMT22]. **Data** [ACM+20, FHFK14, NLW+20, PSM+06, SMT+17, SCZ+12, VTKT22, ZPL+20, AMVG12, ABS+12, BPB+12, KMD12, SMR+12, ZJS09a, VTKT22]. **Dataflow** [GLL+21b]. **Dataset** [JDPH+23]. **DC** [TZS14]. **DCT** [BBB+22]. **DDRx** [HTMH18]. **De-obfuscation** [GCTF20]. **Deadline** [SN10]. **Deadlock** [LKC15]. **Deadlock-Free** [LKC15]. **decimal** [Gla14]. **Decipher** [JMKM21]. **decision** [LJ14]. **Decomposition** [HZSA14]. **Deep** [ASMK22, AHS17, ATW+22, AAO21, CKC+18, CQZ+21, CMZR23, DCP+21, DDG+22, DEW+23, HHD+23, KKKK18, KMC+22, LDP+20, LDZ22, PSR17, PAP+22, PSY+18, RBHG21, RBG+22, SM19, SMR+21, STNP21, TWLL19, WL22a, YLR+23]. **DeepPeep** [JMKM21]. **Defect** [FCR23, GUP11, WDW13, WHL+21, YL14, DWL10, PDL07, SCI+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+22, KKC17, MRG22]. **Defending** [LDZ22]. **Defenses** [BGX+21]. **degradation** [Edi14, SLS+14]. **Delay** [BY18, CMJ14, CKWK18, Gla14, GCTF20, KKC17, LMM18, SMT+17, TGCJ16, CWT14, TR10]. **Delay-based** [Gla14, GCTF20]. **Delay/Power** [TGCJ16]. **Delivery** [HLH+12, WXW+17, ZSXY11, ZS08].

Demand [HLH+12]. **Denoising** [XZL+21]. **Dense** [SBR19]. **Denser** [RMW+17]. **dependability** [PUBV07, TG07]. **Dependence** [NPA+12]. **Dependent** [AMF+15, ZWL+15, LYL19]. **Deployment** [PJSM17]. **Deposited** [LLSO17, BPH+11]. **Depth** [HYA+20, PP21, CV12]. **Depth-bounded** [PP21]. **Depth-wise** [HYA+20]. **Depthwise** [KRP+21]. **Depthwise-Separable** [KRP+21]. **Descent** [HHD+23]. **Describing** [KAB+21]. **Design** [ASB+21, AMH+24, ACH+17, AHS22, AGR+23, BBB+22, BKJ19, BSY+16, CZ05, CJ16, CTP14, CTT+20, DKK+15, DRL+19, FSDT23, GRPT13, GP17, GG17, GJ17, HM14, JMKM21, JWJ+17, KBT24, KHC+22, KT20, LPB+15, LDK+18, LPW18, LML+19, LZBW20, LZCX22, MRR12, MSB+22, MS20, MCT18, NPH18, NV14, OBLD14, OYLL24, PCD+11, PUBV07, RDM+21, Rez23, SFD17, SAAR20, SDSS14, SS15, SN11, TJ13a, TR10, TR13, TTS22, TSB15, TSMCB17, UMB+18, WOW+10, WD22, XLBB06, XZR+22, ZJK22, ZJS09a, ZLWB20, ZSPC19, ZCB+22, ZGSA15, dLBHC22, BJ10, BCT+13, CB09, CDG+12, CJ14b, CNHL08, DMR06, DLWW08, Gla14, GRS05, HMS+05, HZY+12, IGGR19, KP10, LBGR08, LMC+11, MLK+08, MRH12, MN06, Nar05, OSLT06, RMBC12, SXL+12, WFCX09, XDX14, XHSC07, ZC07, ZXC10, ZJS09c]. **design-considerations** [BJ10]. **Design-time** [AMH+24]. **Designing** [AVK16, ARD24, DBG+14, RYT+07, TKBM12]. **Designs** [ACJ17, FNO+19, SM19, TZS14, ANR+14, ZS08]. **Detect** [JWJ+17, TFR23]. **Detecting** [JCK23]. **Detection** [ABM21, ATW+22, BYHT18, CKWK18, DRG21, GLL+21a, HIH18, KBC+23, KPFM16, MGMU22, MLP+20, MKG+23, SGR+12, TW22, ZFT13]. **Detection-Based** [KBC+23]. **Detector** [LTKP16]. **Detector-Based** [LTKP16]. **Development** [FMW+22]. **Device** [BJ10, CJ14a, EFRB22, HVB22, HD14, LZBW20, SAAR20, YJ18, ZLWB20, ZK19, DDG+22, Edi14, RYT+07]. **Device-aware** [SAAR20]. **Device-Type** [YJ18]. **Devices** [ALY+21, BOAC+20, CKB20, GBLD15, KT20, LZCX22, MZZ23, NPA+12, PDL15, STSG17, TFZ+21, TMG+21, JRC+13, MHL08, RT08, YW13]. **DFR** [BY18]. **Diagnosis** [WHL+21, DJRM09, DDM+06]. **Diagonal** [HZSA14]. **diagram** [LJ14]. **Diamond** [ATW+22]. **Digit** [KSA+22]. **Digital** [BMTP24, BMB18, Che15, GLL+21a, GCB14, HM14, HLS14, IBO22, KZL15, LBB+18, MPM13, OGB18, DJRM09, DDM+06, KT14, LZCX22, RMBC12, RBGC14, SC08, XHSC07, XC08, YYC07, ZXC10]. **Digital-Microfluidic** [LBB+18]. **dilution** [RBGC14]. **Dimension** [ST20]. **Dimensional** [GUP11, RAC+24, MLK+08, WFCX09, XS14]. **DINOS** [VTKT22]. **diode** [BJ10, DMR06]. **diode-based** [DMR06]. **diodes** [LM13]. **Directed** [CKB20]. **Direction** [HMP+22]. **Direction-aggregated** [HMP+22]. **Directional** [NVW+22]. **Disassembly** [PRV+20]. **Disease** [XYJ+21]. **displacements** [SWJ07]. **dissipation** [MHL08]. **Distance** [CV11, TT20]. **Distributed** [AAO21, LGYC21, NHL+17, AMVG12, STA+12, VMNI08]. **distributed-memory** [VMNI08]. **Distribution** [MGST22, RSBA23, XPD12]. **Disturbance** [ZCX+17]. **Diverse** [OK22]. **Division** [XLL+18]. **DL** [DDG+22]. **DMAC** [RSD23b]. **DNA** [MT14, SKB13, VTKT22]. **DNN** [HYA+20, LTO22, MMAAK23, SPS+24]. **DNNs** [JMKM21]. **Domain** [KWC+20, Mit17, SBZT20, XDX14]. **Domain-Wall** [Mit17, SBZT20]. **Dormant** [DRG21]. **Dot** [DPB11, TNWD20, DWL10, WDH+09]. **DPA** [DLTSNA20, ZJ11]. **DRAM** [ARD24, YYBK19]. **DRAM-Flash**

[YYBK19]. **DRAMs** [BJ10]. **Driven** [LHW+17, BGX+21, GMM12, WDG+20, XS14]. **driver** [HCTK08]. **Droplet** [GHHW19, HRR19, MPM13, XHSC07, XC08]. **Droplet-Aware** [MPM13]. **droplet-interference** [XHSC07]. **Dropout** [IBO22]. **Drug** [HLH+12]. **DSE** [WDG+20]. **DSP** [TWL09]. **DTA** [TMG+21]. **DTA-PUF** [TMG+21]. **Dual** [DLTSNA20, MFA+13, PAF18, PP21, YJ18, MP10]. **dual-** [MP10]. **Dual-Mode** [PAF18]. **Dual-Rail** [DLTSNA20]. **Durable** [BGX+21]. **duty** [GD12]. **DVFS** [MKW+14, ZF15]. **DWT** [SGR+12]. **Dynamic** [CThG15, GB18, JOF+15, MRH12, MEHT21, QGW20, SMT21, SHB+21, TMG+21, YMWH21, ZMC15, AMVG12, DLL+19, WWJ09]. **Dynamically** [AIK21, ZJS09a, ZJS09c, ZJS09b, ZJS10].

Early [Ko12, XLW+18, ZJK22, ZGSA15]. **Early-Stage** [ZGSA15]. **Easy** [DDR+16b]. **ECC** [PFRR17]. **ECDSA** [BBB+16]. **ECG** [SCZ+12, ZBF+22]. **Ecosystem** [OK22]. **Edge** [CQZ+21, KK23, MZZ23, MGMU22, SPS+24, XZL+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+19, GMGA23, SCLW19b]. **EEG** [KRP+21]. **Effect** [CV11, LYWW13, XPD12, HZY+12]. **Effective** [MRG22, MKG+23, ZBF+22]. **effects** [MLK+08]. **Efficiency** [CMM+18, LLSO17, TKBM12, YMWH21, ZS08]. **Efficient** [BYHT18, CQL21a, CQL21b, CRKP22, DDG+22, DJRM09, GLL+21a, GLL+21b, HN12, HHD+23, KDMT22, KT20, LKC15, LPW18, LMZZ24, MGMU22, MMAAK23, NV14, NAY24, PJSM17, PSR17, PAF18, RSD23b, SVA+18, SMT21, SDSS14, SMT+17, SPR18, TZR20, VSRR15, WGY21, XLW+18, ANR+14, BY18, BS21, GD12, KSB+08, LML+19, LYL19, MS20, MSC+21, PT12, TR13, XZR+22, SM11]. **Elastic** [PHS+15, ZM22]. **Elasticity** [GOGCK11]. **Electric** [RFDT15]. **Electrical** [YLR+23]. **Electro** [ACJ17, DEW+23]. **Electro-Photonic** [ACJ17, DEW+23]. **Electroencephalography** [TKBM12]. **Electrograms** [ZBF+22]. **Electromagnetics** [CFK22]. **Electron** [CEW+13, CCH16, WHL+21, HYWA09]. **Electronic** [MGST22, YXW+12, JRC+13]. **Electronics** [BY12, CFK22, Ko12, HCTK08, WZSC09]. **Electrostatic** [GPW+15, KKC17]. **electrostatics** [KTW08]. **Electrothermal** [CSKM13, HLH+12]. **Element** [SMT+17]. **elements** [CW08]. **EM-X-DL** [DDG+22]. **Embedded** [FKM22, JCK23, JWJ+17, LBJ+16, SMR23, TZR20, WHB+21, MCT10]. **Embedding** [HIH18, SWK+16]. **Embryonics** [TMM+07]. **Emerging** [BSY+16, DMYT15, DLTSNA20, FMP+21, FNO+19, GBLD15, KZW+15, KBM21, MSB+22, MAC+21, MPR+22, TSB15, WZSC09, BC08, Edi14, PUBV07]. **Employing** [KST+22]. **Emulation** [RCYB22]. **Enabled** [CDP17, Rez23, EFRB22, NVW+22, WVGP13]. **Encoder** [QGW20]. **Encoding** [ZWL+15]. **End** [FKM22]. **End-to-End** [FKM22]. **Energy** [ACH+17, BY18, CMM+18, CRKP22, DNHL11, GD12, KT20, LPB+15, LKC15, LLSO17, LML+19, LMZZ24, LYWW13, LJL18, LYL19, MS20, NLW+20, NAY24, PFRR17, PSR17, PAF18, RFDT15, SVA+18, SCLW19b, SCLW19a, STA+12, SMT+17, SPR18, TKBM12, TNWD20, VSRR15, ZSXY11, KMD12, KSB+08, KP10, MHL08, MCT10, SMR+12, WOW+10, WCSA10, SM11]. **Energy-** [STA+12]. **energy-adaptive** [KMD12]. **Energy-Constrained** [SCLW19b, SCLW19a]. **Energy-Efficiency**

[LLSO17]. **Energy-Efficient** [CRKP22, KT20, LKC15, LMZZ24, NAY24, PSR17, SVA+18, SMT+17, SPR18, VSRR15, BY18, GD12, LML+19, LYL19, MS20, SM11]. **Energy-Neutral** [LPB+15]. **enforced** [RD22]. **Engine** [ERGK21, KWG+20, ZK18]. **Engineering** [BWL+21, CCW18, QCF+16]. **Engines** [AL17, WWZ+22]. **Enhanced** [AHS22, PYSJ22]. **enhancement** [SC06]. **Enhancing** [FMTP22, KMD12]. **Ensembles** [WGY21]. **Entanglement** [ST20]. **Environment** [RNN+22, OSLT06]. **Epidemiology** [KKNM22]. **Epilepsy** [SSN12]. **Epileptic** [SGR+12]. **equation** [KTW08]. **Era** [KDMT22, MAC+21, SMR+21, TSMCB17]. **Error** [AHHS21, GYM+17, NPS+20, LWX+14, ZXC10]. **Error-Aware** [NPS+20]. **Error-Tolerant** [GYM+17, TWL09]. **Errors** [LPW18, SKRX13]. **ESN** [GLL+21a]. **ESOP** [DRSR14]. **Estimation** [CMJ14, GCJ17]. **Eternal** [RSD+23a]. **Eternal-thing** [RSD+23a]. **Eucalyptus** [AMA+14]. **Evaluating** [CMZR23, RT07, SJKS20]. **Evaluation** [CTP14, DRL+19, GRS05, IBO22, JLL+17, MKW+14, WGY21, CDG+12]. **Events** [KWG+20]. **EVHA** [AML+23]. **Evolutionary** [HM14, Sek07]. **Evolving** [TG07]. **Exact** [TSÁ+24]. **Examples** [HMP+22, HYPW22]. **Exascale** [DMYT15]. **Execution** [MPM13]. **Existing** [WWC23]. **Exit** [XLW+18]. **Explainable** [AML+23]. **Explained** [MLP+20]. **Explicit** [ABR+21]. **Exploiting** [ACM+20, DK21, JMKM21, KXY16, KDSD24, SLC+17, VDB+16]. **Exploits** [WYZ+20]. **Exploration** [LDK+18, WKL16, ZJK22, TJ13a, XLBB06, ZJS09a, ZC07]. **Exploring** [KAB+21, RD22, SKRX13]. **Extended** [KDSD24, PPM+13]. **Extensible** [KAKSP14]. **Extension** [MMD+20]. **Extracting** [NPS+20]. **Extraction** [YL14]. **Extractor** [RFDT15]. **Extreme** [KKK22].

F [OYLL24]. **F-Bypass** [OYLL24]. **Fabric** [DPB11]. **Fabrication** [CCH16, VDB+16]. **Fabrication-Induced** [VDB+16]. **Fabrics** [NLK+13]. **Failure** [KYEB15, KKY+20, PFRR17, VAK18]. **Failure-Aware** [PFRR17]. **Fast** [KBC+23, SMT21, SKB13, WDG+20, YL14, ZCSG21]. **Fault** [ABR+21, BBB+16, BKJ19, CBK+22, CVK15, DJ16, FMW+22, HH11, IBO22, JCK23, JWJ+17, LDPPB21, LCK19, MGZ+17, PHS+23, SLC+17, VAK18, DDM+06, SCI+09]. **Fault-Based** [BBB+16, IBO22]. **Fault-Injection** [JCK23, PHS+23]. **Fault-Tolerant** [BKJ19, CVK15, DJ16, HH11, LCK19, MGZ+17, ABR+21]. **faults** [CHN09]. **Feature** [SPR18]. **Feedback** [BY18]. **Ferroelectric** [LWY22]. **Ferroelectric-Based** [LWY22]. **Field** [AGR+23, ATW+22, BMB18, KR18, NPA+12, WWG+19, HZY+12]. **Field-coupled** [WWG+19]. **Field-Coupling** [AGR+23]. **field-effect** [HZY+12]. **Fields** [CThG15]. **File** [WX15]. **Files** [ZCX+17]. **Fin** [BSS16]. **Fine** [BLKM23, SMT+17, MLK+08]. **Fine-Grain** [SMT+17, MLK+08]. **Fine-grained** [BLKM23]. **FinFET** [BJ10, BSS16, CMJ14, CJ14a, CJ14b, CJ15, DLTSNA20, FCR23, GJ17, KCWL+16, LJ10, MMJ09, SSF+15, TJ13a, TJ13b, TGCJ16, YJ18, ZJ11]. **FinFET-Based** [SSF+15, ZJ11, LJ10]. **FinFETs** [CJ16, GVRR17, GJ17]. **Fingerprinting** [Bis21]. **Firmware** [FKM22]. **Flash** [HC15, YYBK19]. **Flexible** [BKJ19, KRP+21, MMAAK23, PAF18, HCTK08, LWH14]. **Flip** [AM18]. **Flip-N-Write** [AM18]. **Floating** [HC15, NV14]. **Flow** [GCB14, WM24, ZPL+20, DMR06, ZJS09c]. **Fluidic** [WWC23]. **fluids** [RBGC14]. **Fluigi** [HD14]. **fly** [IASK20]. **Folding**

[MMAAK23]. **Forest** [MPZ21]. **Form** [CTT+20]. **Formal** [CCTP08, GYM+17]. **Formalizing** [FHFK14]. **formulation** [YYC07]. **formulations** [ZMT13]. **Fortifying** [LTM22]. **FPGA** [AHPC21, AHS22, BRZ21, CKA23, GLL+21a, HON21, LLX+18a, LLX+18b, LYL19, LMM18, RCYB22]. **FPGA-Based** [LLX+18b, AHS22, HON21, RCYB22]. **FPGAs** [AAO21, RT07, ZPL+20]. **FPIC** [JDPH+23]. **Framework** [CJ15, FKM22, FMW+22, HFLZ22, KAS+22, KBC+23, KPFM16, LPB+15, LH20, LLX+18b, NPH18, PRG+15, RCYB22, SDSS14, XYJ+21, ZJK22, MCT10]. **Fredkin** [DJ08]. **Free** [DBG+14, GLMG+15, LKC15, Mog14, WRWW17, YL14]. **Frequency** [CFK22, EFRB22, JOF+15, KAKSP14, LTKP16]. **Frontiers** [CLSD18]. **Frontside** [DDR+16a]. **Full** [MGMU22]. **Fully** [CCWCC15, KXY16, TZR20]. **Function** [LQYL19, TMG+21]. **Functional** [GCO+11, Sek07]. **Functions** [DDR+16b, FSD22, LTM22, SWK+16, UMB+18, PT12]. **Fundamentals** [PLC+13]. **Fusing** [ORC+24]. **Future** [BLKM23, DLTSNA20, GMGA23, KAB+21, RSD23b, CA11, MN06].

GALS [PCD+11]. **Gap** [LDPPB21]. **Garbage** [DBG+14, Mog14, TR10]. **Garbage-Free** [DBG+14, Mog14]. **GARDENIA** [XCS+19]. **gas** [HYWA09]. **Gate** [HC15, LSH14, RDM+21]. **Gated** [BJ10, JRJ22]. **Gated-diode** [BJ10]. **Gated-RRAM** [JRJ22]. **Gates** [AHSZ16, CJ14a, DWK+16, HZSA14, DJ08]. **Gating** [HN12, ZF15]. **Geckos** [GSC17]. **gem5** [CJ15]. **gem5-PVT** [CJ15]. **Generalized** [WHL+21, RBGC14]. **Generation** [AMH+24, HYPW22, KK23, MKG+23, TW22, WJWM23, XCS+19]. **Generator** [CKA23]. **Generators** [LTKP16, ST20]. **Genes** [AAFM13]. **Genetic** [ARD24, BBB+22, MZR+14]. **Genetic-algorithm-based** [BBB+22]. **genomics** [GN08]. **geographically** [AMVG12]. **Geometric** [DSB16]. **Global** [DDP20, XPD12]. **GPGPU** [LCY19, TWLL19, WX15]. **GPU** [BS21, CRKP22, LLX+18a, LML+19, MPZ21]. **GPU-Outperforming** [LLX+18a]. **GPUOPT** [BS21]. **GPUs** [SPS+24, ZCX+17]. **Gradient** [HYPW22, HHD+23]. **Grain** [SMT+17, MLK+08]. **grained** [BLKM23]. **Graph** [CRKP22, FSD22, MDS21, PP21, XCS+19]. **Graph-based** [FSD22]. **Graphene** [DDP20, HC15, KHR+15, WLJC21, WZSC09]. **Graphene-Based** [WLJC21, WZSC09]. **green** [AMVG12, PG12]. **greener** [GD12]. **Grid** [ZGSA15]. **Guarantees** [GYM+17]. **Guarding** [DCSA22]. **Guest** [CLKG17, CFK22, HVB22, JHPG22, SCLW19a, SLCJ22, Shu09, SK16, TSB15, TSMCB17, ZLWB20, Ano18, CLSD18, FNO+19, GMGA23, SCLW19b]. **Guided** [MCH22, WDG+20].

H [HCTK08]. **Hack** [MLP+20]. **Hamming** [RSBA23, TT20]. **Hardening** [LBB+18]. **Hardware** [ASB+21, ABR+21, ALY+21, ASK23, AHS22, ATW+22, BBB+22, BSY+16, BGX+21, BHLD19, BWL+21, BVM+19, CRSSBMR21, CLKG17, CLSD18, CQL21a, CQL21b, CCWCC15, CKWK18, DBS+21, DRG21, DCSA22, EFRB22, FMP+21, GCC+23, GFZ13, HIH18, AML+23, IGGR19, KPM22, KKY+20, KRG+23, KCD15, KKNM22, LQYL19, LFDS22, LJL18, LCK19, MEHT21, MAC+21, MPR+22, MKG+23, PJSM17, SLC+17, SBR19, SCLW19b, SCLW19a, SLCJ22, WYZ+20, WHB+21, XLW+18, ZLGL21, TMM+07]. **Hardware-accelerated** [KKNM22]. **Hardware-Assisted** [MPR+22]. **Hardware-Aware** [SLCJ22].

Hardware-Based [LQYL19, MAC+21]. **Hardware-oriented** [AHS22]. **Hardware-Software** [IGGR19]. **Harvesting** [RSD+23a, RFDT15, ZSXY11, KP10, MCT10, WOW+10, WCSA10]. **Hashing** [JCK23]. **HBM** [ARD24]. **HDL** [OSLT06]. **HDLQ** [OSLT06]. **HDRLPIM** [RAC+24]. **Heart** [XYJ+21]. **Hermitian** [AHSZ16, HZSA14]. **Heterogeneous** [AAFM13, BHLD19, CTP14, HTMH18, IASK20, KHR+15, LGL15, LDP+20, MMD+20, SM19, VK18]. **Heterojunction** [KCWL+16]. **Heuristic** [BM15, PT12]. **Heuristics** [RPBA21]. **Hexagonal** [KDSD24]. **Hiding** [FHFK14]. **Hierarchical** [DBS+21, LFDS22, YXW+12]. **Hierarchy** [PHS+15, VSRR15]. **High** [ASP+18, BYHT18, BH17, CJ16, CRKP22, GN08, HRR19, LTKP16, LML+19, LZX+21, MTC+08, PAB+17, PSY+18, PAC+22, SC08, WL22b, XLL+18, ZM22, Bea11, BPH+11, CA11, LMC+11, MN06, PFOL07, RMBC12, WWJ09, ZS08, SM11]. **high-** [MP10]. **high-efficiency** [ZS08]. **High-level** [MTC+08, PAC+22, SC08, ZM22]. **High-Performance** [ASP+18, BH17, CJ16, CRKP22, PSY+18, HRR19, LML+19, Bea11, BPH+11, LMC+11, WWJ09, SM11]. **High-Speed** [BYHT18, LTKP16, PAB+17, XLL+18]. **high-throughput** [CA11, RMBC12]. **Higher** [ST20]. **Highlights** [DR11]. **Highly** [HN12, MGMU22]. **Highly-Efficient** [MGMU22]. **History** [Ko12]. **HMC** [HTMH18]. **Holistic** [BAT+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+19, HAV+22, HH11, LNL19, LQYL19, LWM+14, LWY22, NAY24, PHS+15, PAP+22, SMT21, WDW13, YLR+23, YYPK17, YYBK19, CB09, CJ14b, LBGR08, LMC+11, RT07, SCI+09, ZJS09a, ZJS09c, ZJS09b, ZJS10]. **Hyper** [RAC+24]. **Hyper-Dimensional** [RAC+24]. **Hypercolumn** [PSL+19]. **Hyperdimensional** [SBR19]. **Hypervectors** [SBR19].

IBM [NPS+20]. **IC** [BLKM23, CH14, SMZ+19]. **iConn** [LGL15]. **ICs** [ARLB18, BLKM23, CKC+18, CBK+22, FRB08, MRG22, RSBA23, SCL17, TZS14, XS14, ZCB+22]. **Identification** [KRP+21, SMZ+19, CWT14]. **identify** [PT12]. **Idle** [SLC+17]. **IEEE** [Shu09]. **IEEE/ACM** [Shu09]. **II** [ZJS09c]. **ILP** [ZMT13]. **Image** [BWL+21, CLZ+22, MGMU22, MCH22, PSR17, LM13]. **Images** [ATW+22, KBC+23, XZL+21]. **IMFlexCom** [PAF18]. **Impact** [BSS16, DNHL11, KAKSP14, KKC17, KMC+22, LZX+21, MGK18]. **Implantable** [BY12, HLH+12, Ko12, MGS+12, SSN12, SCZ+12]. **Implants** [MLP+20]. **Implementation** [VDK+21, CRSSBMR21, JOF+15, LFDS22, LLX+18b, LMM18, PCD+11, SSN12, XLW+18]. **Implementations** [BVM+19, DBG+14]. **Implementing** [SMR+12]. **Implicant** [PT14a]. **Implicant-Implicit** [PT14a]. **Implications** [KAB+21, VO06]. **Implicit** [PT14a]. **Improve** [HSZM17, OYLL24]. **Improved** [DRSR14, DRG21, PT14a, PSR17, ZJ11]. **Improvement** [RBHG21, XZR+22, YMWH21, ANR+14, FRB08]. **Improving** [AHPC21, CMM+18, MPZ21, ON15, RBHG21, SCL17, YWF18]. **In-Field** [BMB18]. **In-Memory** [HFLZ22, HHD+23, NHL+17, PAF18, RAC+24, TT20, KMC+22]. **In-storage** [ORC+24]. **Incoherent** [YLR+23]. **Incremental** [XLW+18]. **independent** [Tah06]. **indoor** [WOW+10]. **Induced** [PAC+22, VDB+16]. **Inductor** [TZS14].

Inductor-Based [TZS14]. **inductors** [SXL+12]. **Inexact** [KT14, MGMU22]. **Inference** [KWG+20, KKNM22, MZZ23, WWZ+22, ZCDD19]. **Information** [AAFM13, HLS14, PRV+20, DWL10]. **information-theoretic** [DWL10]. **Infrastructure** [LGL15, PB21, AMA+14]. **Inherently** [ABR+21]. **Initialization** [KKY+20]. **Injection** [DDR+16a, JCK23, JWJ+17, LDPPB21, PHS+23]. **Inkjet** [RHB+20]. **INspired** [VTKT22, CZQK15, DBS+21, BY18, CQZK14]. **instability** [KCC+14]. **Integer** [DBG+14, WL22a]. **Integer-arithmetic** [WL22a]. **integral** [KTW08]. **Integrated** [BS15, ISI+18, KKC17, KHC+22, LKK+22, MMAAK23, NLK+13, TJ13b, TW22, XC08, XLL+18, ZXC10, Bea11, BCT+13, HCTK08, MN06, WFCX09, XCF08]. **Integration** [AAFM13, KWWI17, MLK+08, SX11]. **Integrity** [CMZR23, PB21]. **Intel** [RBG+22]. **Intellectual** [Bis21]. **Intelligence** [Dea14, KBM21, XYJ+21]. **Intelligence-based** [XYJ+21]. **Inter** [CMK+21, CBK+22]. **Inter-Layer** [CBK+22]. **Inter-tier** [CMK+21]. **Interaction** [CV11]. **Interactions** [NPA+12]. **Interconnect** [BPS19, KMC+22, MN06, MTC+08]. **interconnection** [LJ10]. **Interconnects** [DDP20, KBT24, LLSO17, LKL+18, Bea11]. **Interface** [WKL16, XDX14]. **interference** [XHSC07]. **Intermittent** [RCYB22]. **Intermittently** [ZPL+20]. **Internet** [MPR+22]. **Interpolation** [ZCSG21]. **Interposer** [KBT24]. **Interpreting** [GCB14]. **interstitial** [SC06]. **Intracardiac** [ZBF+22]. **Introduction** [Ano18, AD14, BC08, Bah09, BY12, CLKG17, CLSD18, CQL21a, CQL21b, DR11, DHK+23, Edi14, FSDT23, FMP+21, FNO+19, GMGA23, Gui13, HN15, KK23, KP10, LC08, LZBW20, MPR+22, MSW14, PG12, PR13, SCLW19b, SCLW19a, SX11, SS15, SN11, TTS22, WDT14, WD22]. **Intrusion** [BYHT18]. **Investigating** [MLK+08]. **Investigation** [GCTF20]. **IoT** [EFRB22, KT20, LYEK22, RSD+23a, RDS24, STSG17, TFZ+21, TW22]. **IoT-based** [RDS24]. **IP** [ASMK22, GCC+23, OK22, SMZ+19]. **IP/IC** [SMZ+19]. **Iris** [TZR20, LMC+11]. **irregular** [LDL10]. **Irreversible** [HLS14]. **Issue** [BY12, CQL21a, CQL21b, DMYT15, DR11, DHK+23, FSDT23, FMP+21, GMGA23, Gui13, HN15, KK23, LZBW20, MPR+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+16]. **Junctionless** [BSS16].

Keeping [ABS+12]. **Kernels** [LCY19]. **Ket** [CD22]. **Key** [BBB+16, CKA23, MKMS22]. **Key-Sharing** [MKMS22]. **Kilobyte** [TFZ+21]. **Kilocore** [ACJ17]. **KNN** [MPZ21]. **Kogge** [BSL+18]. **Kronecker** [TFZ+21].

L2 [PAB+17]. **lab** [ZXC10]. **lab-on-chip** [ZXC10]. **labeling** [EWKNW07]. **Laboratories** [DHK+23]. **Language** [CTT+20, MMD+20, OBLD14]. **Large** [Bea11, KCD15, LGYC21, PDL15, SWK+16]. **Large-Scale** [KCD15, Bea11, LGYC21]. **Laser** [DDR+16a, LKL+18]. **Lasers** [FC18]. **Last** [NLW+20]. **Last-level** [NLW+20]. **Latency** [DKK+15, CA11]. **Layer** [BS15, VRBS16, CBK+22, DKK+15, KST+22, LLSO17, NVW+22, PRG+15, SS15, ZGSA15, KWC+20]. **layout** [RMBC12]. **LC** [SXL+12]. **LDPC** [LPW18]. **Leakage** [CMJ14, CJ16, MLW+23, CJ14b, GJ17, LSH14]. **Leakage/Delay** [CMJ14].

learnable [YYBK19]. **Learning** [ASB+21, ABM21, ASMK22, ARD24, ATW+22, AAO21, AMF+15, BWL+21, CLKG17, CLSD18, CZQK15, CQL21a, CQL21b, CMZR23, DCP+21, DDG+22, DJH+19, DCSA22, FMTP22, GCC+23, GGTG+20, GGHP+24, HON21, KPPB17, KRG+23, KSA+22, KPFM16, LDZ22, LGYC21, MEHT21, MS19, PSR17, PSY+18, RAC+24, Rez23, RBHG21, SAAR20, SCLW19b, SCLW19a, SLCJ22, SMR+21, SPR18, STNP21, TWLL19, WL22a, YLR+23, ZY18, ZK18, ZK19, CQZK14]. **Learning-Based** [ZY18]. **Learning-Part** [CQL21a]. **less** [HYA+20, RSD+23a]. **Level** [ARLB18, CCW18, CZW+19, DRL+19, JWJ+17, LLX+18b, LZX+21, LCY19, MTC+08, MP10, Moh12, NLW+20, PAC+22, SC08, ZM22]. **Leverage** [RPBA21]. **Leveraging** [PRV+20, SMR23]. **library** [LCJ14]. **life** [ZJT+14]. **light** [WOW+10]. **Lightweight** [ASMK22, LHHZ19, MKMS22, MAC+21, RDS24]. **like** [HMS+05]. **Limit** [LCK19]. **Limits** [RD22, GMM12]. **Linear** [ZCSG21]. **Links** [NVW+22]. **Literature** [AAFM13]. **LiwePMS** [LHHZ19]. **Loads** [ZSXY11]. **Localization** [CBK+22]. **Locally** [DNHL11]. **Lock** [ASMK22]. **Locking** [LZX+21, SMR+21]. **Log** [LH20]. **Log-Structured** [LH20]. **Logic** [AHSZ16, CJ14a, CJ16, CNH12, GCO+11, GUP11, GVRR17, KT20, LCSP14, LP17, LZX+21, LMM18, MS17, NLL+17, PT14a, SJKS20, SMR23, SSP14, SMR+21, SWK+16, VGZ11, ANR+14, CJ14b, DJ08, HMS+05, LJ14, LCT12, MTC+08, PT12, TR13, ZMT13]. **Logic-Based** [KT20, NLL+17, TR13]. **Loihi** [RBG+22]. **Long** [ZSPC19]. **Loop** [SSN12]. **LosPem** [LH20]. **Loss** [HLS14]. **Lotus** [LGYC21]. **Low** [AHHS21, BS20, CJ16, Che15, EFRB22, GBLD15, GLMG+15, HHD+23, IBO22, KZW+15, KHR+15, KR18, LTM22, LNL19, MGS+12, MMJ09, OYLL24, PRG+15, PSL+19, QGW20, RMW+17, SLC+17, STSG17, SGR+12, SM19, SSF+15, Tah09, TSB15, ZJS10, ZJ11, ZPL+20, ABS+12, CJ14b, CA11, ERGK21, GGTG+20, GJ17, KT14, LBGR08, LMC+11, MFA+13, WDH+09]. **Low-Cost** [LNL19, LBGR08]. **low-latency** [CA11]. **Low-overhead** [EFRB22, Tah09]. **Low-Power** [GBLD15, GLMG+15, KHR+15, KR18, OYLL24, PRG+15, PSL+19, QGW20, RMW+17, SGR+12, AHHS21, BS20, MMJ09, SM19, ZJS10, ABS+12, KT14, LBGR08, LMC+11, WDH+09]. **Low-Rank** [HHD+23]. **Low-Swing** [SSF+15]. **LTPS** [LBGR08].

Machine [ABM21, ARD24, BWL+21, CQL21a, CQL21b, DCSA22, GCC+23, GGTG+20, GGHP+24, HON21, KPPB17, KRG+23, KPFM16, LGYC21, MEHT21, MS19, Rez23, SCLW19b, SCLW19a, YP17]. **Machine-Learning** [KPFM16]. **Machines** [MDS21, NPS+20]. **Magnetic** [ATW+22, LBJ+16, VDB+16, XZR+22, AKW+13, DK09]. **Main** [YYBK19, YXD+17]. **majority** [HMS+05]. **majority-like** [HMS+05]. **Making** [AGD+20]. **Management** [CMK+21, DJH+19, HTMH18, LHW+17, LHHZ19, PHS+15, PRG+15, SHB+21, ZJ11, FRB08, GMM12, MP10, MCT10]. **manager** [AMVG12]. **Managing** [NPH18]. **Manufacturing** [CZW+19, MRG22]. **Manufacturing-Based** [CZW+19]. **Many** [DMYT15, KDMT22, KPFM16]. **Many-Core** [DMYT15, KDMT22, KPFM16, Rez23]. **Manycore** [CMK+21, CRKP22, HM21]. **Manycores** [PHS+15]. **Map** [RMG15]. **Mapping** [FC18, GCO+11, GUP11, KDSD24, MZZ23, TSÁ+24, ZMT13]. **March** [SN10]. **Markov** [GD12, KR18]. **Matching** [RDH14]. **MATE** [PHS+15]. **materials** [BPH+11]. **Matrix**

[DD14, GCO+11, GUP11]. **Maximum** [KAKSP14]. **means** [VOB19]. **Measure** [BS15]. **Measures** [HON21]. **mechanical** [LWH14, WCSA10]. **Mechanism** [MRG22, RSD23b]. **Mechanisms** [LBB+18]. **MEDA** [HRR19]. **MEDA-based** [HRR19]. **Medical** [SLCJ22]. **Medium** [RSD23b]. **Memcapacitive** [TT21]. **Memories** [CCWCC15, HH11, KWC+20, LBJ+16, SBT20, SCZ+12, YYPK17, GRS05, RYT+07]. **Memory** [AIK21, ANT22, DK21, GNY+22, GLMG+15, GG17, GIS+22, HTMH18, HVB22, HFLZ22, HC15, HHD+23, IASK20, JRJ22, KPPB17, KHR+15, KKKK18, KMS+20, KKK22, KHC+22, LKK+22, LHHZ19, LML+19, LH20, LFDS22, LYWW13, MDS21, MRR12, MSB+22, Mit17, NYL+20, NHL+17, PHS+15, PAF18, RAC+24, RMW+17, RCYB22, SMR23, SBZT20, SBR19, TT20, WWZ+22, WDW13, WRWW17, WHB+21, WZL16, WL22b, YYPK17, YYBK19, YXD+17, ZSPC19, ABS+12, AKW+13, CSKM13, KMC+22, KSG14, PR13, SKRX13, TCSV09, VMNI08, WYZ+20, ZLB+22, ZJS09a]. **Memory-bound** [KHC+22]. **Memory-Centric** [KPPB17, NYL+20, GNY+22]. **Memory-Efficient** [HHD+23]. **Memory-Storage** [YYPK17]. **Memristive** [ASB+21, ANT22, CZQK15, GLMG+15, KZL15, MRR12, NAY24, SAAR20, TT20, UMB+18, WKL16, YW13, ZJK22, ZK18]. **Memristor** [ASP+18, BYHT18, MZZ23, QGW20, ZLB+22, dLBHC22]. **Memristor-Based** [BYHT18, QGW20, ZLB+22]. **Memristor-CMOS** [ASP+18]. **Memristors** [CHA20]. **mesh** [EWKNW07]. **meshless** [KTW08]. **Metamaterial** [NVW+22]. **Metamaterial-enabled** [NVW+22]. **Method** [BBB+16, DDP20, DLL+19, GCO+11, MZZ23, PP21, XYM18, YYBK19, ZSXY11, MHM+08]. **Methodology** [AHHS21, CMJ14, CH14, MLW+23, CB09]. **Methods** [CZQK15, TSMCB17, CCTP08]. **metric** [SMR+12]. **Metrics** [HSZM17]. **MFNW** [AM18]. **MiC** [LCY19]. **Micro** [ABM21, ZLGL21]. **Micro-Architectural** [ABM21]. **Micro-ring** [ZLGL21]. **Microarchitectural** [GOGCK11]. **microarchitecture** [MLK+08]. **microarchitectures** [XCF08]. **Microarrays** [SKB13]. **Microdevices** [VMV13]. **Microfluidic** [BMB18, GCB14, HD14, LBB+18, MPM13, OGB18, DJRM09, DDM+06, RMBC12, RBGC14, SC08, XHSC07, XC08, YYC07, ZXC10]. **Microfluidics** [GHHW19, CZ05, SC06]. **microfluidics-based** [CZ05, SC06]. **Microscope** [ATW+22]. **Migration** [AIK21, IASK20]. **Millimeter** [MKW+14, KK12]. **Millimeter-Wave** [MKW+14]. **Million** [AVK16]. **Million-Qubit** [AVK16]. **Minimization** [CCH16, LJL18]. **Minimum** [LCSP14]. **MINLP** [BM15]. **Mitigate** [ZH20]. **Mitigation** [NLK+13, WYZ+20, ZLGL21]. **Mitigations** [ASK23]. **Mixed** [DRL+19, LPM+19]. **Mixed-Criticality** [DRL+19]. **mixing** [RBGC14]. **MLC** [AM18, LHW+17]. **MLC/TLC** [AM18]. **MN** [PHS+15]. **MN-MATE** [PHS+15]. **MNEMOSENE** [ZLB+22]. **mNoC** [PDL15]. **Mobile** [TWLL19, TSMCB17, YYPK17, WDH+09]. **Mode** [BSS16, PAF18]. **Model** [BM15, CCWCC15, FYJ+17, FCR23, MZR+14, MMD+20, REL+22, WHL+21, DLWW08, MHL08, MTC+08, ZC07]. **Modeling** [FMW+22, KBC+23, LYEK22, LTKP16, MN06, SSN12, SCT+22, TGCJ16, TKBM12, ZM22, ZF15, KCC+14, KSG14, PFOL07]. **Models** [ASMK22, KMS+20, KCD15, KKNM22, MHW14, WJWM23, FRB08]. **Modern** [MPZ21]. **Modular**

[FKM22, MHW14]. **Modularization** [FHFK14]. **Modulation** [MGK18, NVW+22]. **Modulator** [LZCX22]. **Module** [MPM13, LCJ14, ZS08]. **Module-Based** [MPM13]. **Modules** [TGCJ16]. **Modulo** [TSÁ+24]. **Molecular** [AGR+23, CNHL08, DPB11, GPW+15, PDL15, SCT+22, WDW13, KSG14, KTW08, MHL08, RYT+07]. **Molecular-Spin-Qubit** [SCT+22]. **Money** [BMTP24]. **Monitoring** [AUDS22, EFRB22, MGS+12]. **Monolayer** [RMW+17]. **Monolithic** [CKC+18, CMK+21, CBK+22, KKC17, LKK+22, TTS22, ZCB+22, BCT+13, XDX14]. **MOS** [KZW+15]. **Motion** [MGMU22]. **MRAM** [AKW+13, DSB16, NLW+20, PAF18, SFD17, SMT21, STSG17, VDB+16, ZCDD19]. **MRAM-Based** [VDB+16, ZCDD19]. **MRAMs** [MFA+13, PFRR17]. **MTJ** [MS19, MS20]. **MTJ-based** [MS20]. **Muller** [LJ14]. **Multi** [BRZ21, CMZR23, DJH+19, DRL+19, KBT24, LLSO17, LLX+18b, LCY19, PRG+15, Rez23, XZL+21, LM13]. **Multi-Abstraction-Level** [DRL+19]. **Multi-core** [DJH+19]. **Multi-Cycle-Consistent** [XZL+21]. **Multi-FPGA** [BRZ21]. **Multi-Layer** [LLSO17]. **Multi-level** [LCY19]. **Multi-Level-Optimization** [LLX+18b]. **multi-peak** [LM13]. **Multi-Processors** [PRG+15]. **Multi-tenant** [CMZR23]. **Multi-Terabit** [KBT24]. **Multi/Many** [Rez23]. **Multi/Many-Core** [Rez23]. **Multicast** [CDP17, VOB19]. **Multicast-Enabled** [CDP17]. **Multichannel** [KRP+21]. **multicomputer** [VMNI08]. **Multicore** [CDP17, HAV+22, PCD+11, WXW+17, ZMC15, KWFH12, SLS+14]. **multidiscipline** [Moh12]. **Multilayer** [HC15, MHM+08, BPH+11]. **Multilevel** [KST+22, MRR12, VSRR15, CWL+13, FGZ14]. **Multiparameter** [CJ16, GJ17]. **Multipath** [RNN+22]. **Multiple** [DDM+06, FMTP22, HZSA14, MMJ09]. **Multiple-Controlled** [HZSA14]. **Multiplexing** [XLL+18]. **Multiplication** [CRSSBMR21, ERGK21, GP17, HYA+20]. **Multiplication-less** [HYA+20]. **Multiplications** [GZZ+21]. **Multiplier** [GZZ+21, LNL19, LQYL19]. **Multipliers** [Mog14, SVA+18]. **Multiprocessor** [YXW+12, CJ14b, GMM12, LWX+14]. **multiprocessors** [BPH+11, CA11]. **multiPULPly** [ERGK21]. **Multistate** [KHR+15]. **multiwalled** [SXL+12]. **MV** [TWLL19]. **MV-Net** [TWLL19]. **mVLSI** [CKB20]. **mW** [WOW+10]. **MWSR** [HAV+22]. **MWSR/R** [HAV+22]. **MWSR/R-SWMR** [HAV+22].

N [AM18]. **NANA** [PDLS06]. **Nano** [GKT+18, YLF+17, CB09, LDL10, MP10, PDLS06, SCI+09, ZMT13, ZJS10, ZC07, MRR12, ZJS09c, ZJS09a, ZJS09b]. **nano-architectures** [ZMT13]. **nano-CMOS** [MP10, SCI+09, ZC07]. **Nano-Oscillator-Based** [YLF+17]. **Nano-Oscillators** [GKT+18]. **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+22]. **Nanocomputing** [AGR+23, WWG+19, WWJ09]. **Nanocrossbar** [GUP11]. **Nanodevice** [GCO+11, WZSC09]. **Nanodevice-Based** [GCO+11]. **Nanodevices** [CZQK15]. **Nanoelectronic** [LZBW20, TSMCB17, YL14]. **nanofabrics** [DMR06]. **Nanolectronic** [ZLWB20]. **Nanomagnet** [CNH12]. **Nanomagnetic** [VGZ11]. **nanometer** [CCTP08]. **nanometer-scale** [CCTP08]. **Nanophotonic** [BS20, ISI+18, LLSO17, LKL+18, NPA+12,

PDL15, XYM18, LMC+11, SX11]. **Nanopipelined** [PT14b]. **Nanoribbon** [HC15, KHR+15]. **Nanoribbon-CMOS** [KHR+15]. **Nanoribbons** [DDP20]. **Nanoscale** [BOAC+20, JRC+13, NLK+13, Shu09, CQZK14, EWKNW07, Nar05, RT07, RT08, WZSC09]. **nanostructures** [HYWA09]. **nanosystem** [TWL09]. **Nanotechnology** [KBM21]. **Nanotube** [GRPT13, HC15, LKK+22, DLWW08, HZY+12, MN06, SXL+12]. **Nanotube-Based** [GRPT13, MN06]. **Nanowire** [Deh05, RKM15]. **Nanowire-based** [Deh05]. **nanowires** [SRD+06]. **Navigating** [CTT+20]. **NBTI** [KCC+14, LSH14, SLS+14, YWH+13]. **NBTI-aware** [YWH+13]. **Near** [DK21, GVRR17, KXY16, Mit16, NPA+12, ORC+24, SCL17, TNWD20]. **Near-** [GVRR17]. **Near-Field** [NPA+12]. **Near-Memory** [DK21]. **Near-storage** [ORC+24]. **Near-Threshold** [Mit16, SCL17]. **negative** [KCC+14]. **Neighborhood** [KDSD24]. **NEMS** [HN12]. **Neoteric** [SMR23]. **NeRF** [LMZZ24]. **net** [BPB+12, HYA+20, TWLL19, WL22a]. **net-zero** [BPB+12]. **Nets** [DRG21]. **Network** [ABR+21, ASK23, ACM+20, BS21, BKJ19, Bis17, Bis21, CMM+18, CDP17, CCWCC15, DJ16, GMGA23, GCTF20, HFLZ22, HM21, IGGR19, KKKK18, KKK22, LDK+18, LQYL19, LMZZ24, LLX+18b, MZZ23, MKMS22, MSCS19, MCH22, MGST22, MSC+21, OK22, OYLL24, PDL15, PHS+23, PAP+22, RDS24, VK18, VSM19, WL19, XYM18, YMWH21, ZBF+22, ZSPC19, BPH+11, CDG+12, LMC+11, PDLS06, PT14b, WVGP13, ZFT13, YXW+12]. **Network-based** [ABR+21]. **network-enabled** [WVGP13]. **Network-on-Chip** [ASK23, BS21, BKJ19, Bis17, Bis21, CMM+18, DJ16, GMGA23, LDK+18, MSCS19, OYLL24, PDL15, VK18, VSM19, ACM+20, BPH+11, CDG+12, WVGP13, YXW+12]. **Network-on-chips** [PHS+23]. **Networks** [AHS17, BS20, VRBS16, BRZ21, BHLD19, BVM+19, CKC+18, CQZ+21, CTP14, DK21, Dea14, DEW+23, ERGK21, FNO+19, JCK23, KST+22, KRP+21, KCD15, KMC+22, LPB+15, LZXL22, LLX+18a, LNL19, LDP+20, LJL18, LPM+19, MS20, NAY24, ORC+24, PJSM17, PSL+19, PSY+18, Rez23, RBHG21, RBG+22, SBZT20, SM19, SPR18, TZR20, TT21, XLW+18, XZL+21, ZCDD19, ZH20, GD12, LJ10, LDL10, LWX+14, XPD12]. **Networks-on-Chip** [VRBS16, CTP14, FNO+19, KST+22, Rez23]. **Neural** [ABR+21, AHS17, BRZ21, BHLD19, BVM+19, CKC+18, CThG15, CQZ+21, CCWCC15, DK21, DEW+23, ERGK21, HFLZ22, HM21, IGGR19, JCK23, KRP+21, KKKK18, KKK22, KCD15, KMC+22, LZXL22, LLX+18a, LNL19, LQYL19, LDP+20, LMZZ24, LLX+18b, LJL18, LYL19, LPM+19, MZZ23, MS20, MSC+21, NAY24, ORC+24, OK22, PAP+22, PSL+19, RBG+22, SBZT20, SVA+18, SM19, SPR18, WL19, XLW+18, YMWH21, ZH20, ZBF+22]. **Neuro** [CZQK15, CQZK14]. **Neuro-Inspired** [CZQK15, CQZK14]. **Neuroevolution** [AAO21]. **Neuroevolutionary** [SMR+21]. **Neurogenesis** [ZK19]. **Neuromemrisitive** [ZK19]. **Neuromemristive** [KSA+22]. **Neuromorphic** [ASB+21, AMH+24, Ano18, AMF+15, BOAC+20, HN15, JRJ22, KZL15, KCD15, MKSW17, PSY+18, RMG15, SAAR20, SHB+21, SPR18, WKL16, ZWL+15]. **Neuron** [HIH18]. **Neurons** [VOB19, ZCDD19]. **Neutral** [LPB+15]. **Next** [GFZ13, KK23, XCS+19]. **Next-Generation** [KK23, XCS+19]. **NFIC** [AGD+20]. **NML** [DNHL11]. **NN** [ASMK22]. **NN-Lock** [ASMK22]. **NoC**

[ACJ17, AGD+20, DRL+19, HAV+22, KYEB15, MKW+14, VOB19, ZF15]. **NoC-Based** [ZF15]. **NoCArc** [GMGA23]. **NoCs** [FC18, GB18, LKC15, LCK19, RSD23b, SHAC19, ZY18, ZLGL21]. **Node** [PHS+15, GGTG+20, YWH+13]. **Nodes** [GVRR17, LWM+14, TGCJ16]. **Noise** [CLZ+22]. **Noise-Tolerant** [CLZ+22]. **Noisy** [DDG+22, SCT+22]. **Non** [GKT+18, MCT18, RCYB22, STSG17, WL22b, YYPK17, YXD+17, ZPL+20]. **Non-Boolean** [GKT+18]. **Non-Restoring** [MCT18]. **Non-Volatile** [STSG17, WL22b, YYPK17, YXD+17, ZPL+20, RCYB22]. **Nonhierarchical** [PPM+13]. **Noninvasive** [TFR23]. **Nonlinear** [KKKK18]. **Nonvolatile** [HC15, LBJ+16, SCZ+12, SKRX13]. **NORM** [RCYB22]. **Note** [WWG+19]. **Novel** [DJ16, FCR23, JDPH+23, LH20, MGMU22, SKB13, TZS14, ZSXY11, RT08]. **NP** [WWG+19]. **NP-complete** [WWG+19]. **NTC** [CV12]. **NTRU** [CRSSBMR21]. **NUCA** [PAB+17]. **Number** [HH11, LTKP16, WL19]. **Numbers** [GIS+22]. **NxTF** [RBG+22].

Obfuscation [CZW+19, GCTF20]. **Object** [KBC+23]. **Objectives** [DWK+16]. **Observing** [TGCJ16]. **OFDM** [GLL+21a]. **Off** [KK23, FSDT23, ZFT13]. **Off-Chip** [KK23, WXW+17, ZFT13]. **Offline** [BMTP24, LKL+18, MT14]. **offs** [CDG+12]. **Oligo** [VTKT22]. **On-Chip** [CLKG17, CZQK15, CKC+18, KDMT22, KK23, LWM+14, LWY22, SCLW19a, TZS14, WM24, XYM18, CLSD18, CWL+13, KMC+22, LWX+14, SCLW19b, CA11, LMC+11]. **On-Device** [ZK19]. **On-Interposer** [KBT24]. **on-node** [GGTG+20]. **On-the-fly** [IASK20]. **On/Off** [WXW+17]. **On/Off-Chip** [WXW+17]. **One** [HSZM17, WRWW17]. **One-Step** [WRWW17]. **One-Way** [HSZM17]. **Online** [AUDS22, LJL18, ZPL+20]. **Open** [BBR+23, FCR23]. **OpenQL** [KAS+22]. **Operation** [MPM13]. **Operations** [CVK15]. **Optical** [BPS19, VRBS16, DWK+16, GB18, HAV+22, JDPH+23, NPA+12, PAB+17, RDM+21, XLL+18, YLR+23, YXW+12, ZY18, ZLGL21, CA11, EDCL+22]. **Optical-Electrical** [YLR+23]. **Optical-Electronic** [YXW+12]. **Optimization** [DKK+15, DWK+16, LDK+18, LLX+18b, LCY19, LKL+18, NLW+20, PFRR17, Rez23, TGCJ16, YJ18, ZY18, ZGSA15, DLWW08, KKY+20, LWH14, WFCX09, ZJS09c]. **Optimizations** [SBR19, CWL+13]. **Optimize** [DJ16]. **Optimized** [CRSSBMR21, CCWCC15, KKKK18, MS17, MCT18, ON15, WGY21, WL22b]. **Optimizing** [WL22a, TR10]. **Optoelectronic** [PAP+22]. **Oracle** [GCJ17]. **Order** [CKWK18]. **Ordering** [WGY21]. **Organizing** [DK09, RMG15, LDL10, PDL07]. **oriented** [AHS22]. **Oscillation** [MSB+22]. **Oscillation-Based** [MSB+22]. **Oscillator** [FYJ+17, HON21, YLF+17, SXL+12, ZFT13]. **Oscillator-Based** [FYJ+17]. **Oscillators** [GKT+18]. **Outlook** [BWL+21]. **Outperforming** [LLX+18a]. **outputs** [TR10]. **Overhead** [LTM22, SLC+17, ZJ11, ZPL+20, EFRB22, Tah09]. **Overlay** [PAB+17]. **Overview** [AML+23].

p [DPB11]. **p-QCA** [DPB11]. **Packet** [BYHT18]. **Packets** [Bis17]. **Page** [AIK21, IASK20, KXY16]. **PANE** [VSM19]. **Papers** [SN10]. **paradigm** [LBGR08, WZSC09]. **Parallel** [BAT+22, Dea14, FSD22, ISI+18, DJRM09, STA+12]. **Parallelism** [DK21, JOF+15, GN08]. **parameter** [RYT+07]. **Parameterized** [REL+22]. **Parametric** [FRB08]. **Parasitic** [ZH20]. **Parasitics** [KCWL+16]. **Part**

[CQL21a, CQL21b, SCLW19a, LZBW20, ZJS09c, ZJS09b, ZLWB20]. **Partial** [KKK22, LKC15, MEHT21]. **Partial-Sum** [KKK22]. **Partially** [AGD+20]. **Parties** [BMTP24, FMTP22]. **Partitioning** [LRN05, PP21]. **Passive** [GSC17]. **Path** [Bis21, CKWK18, GB18, VAK18, WRWW17, CWT14, ZXC10]. **Path-based** [Bis21]. **Path-Setup** [GB18]. **Pathology** [CLZ+22]. **paths** [ANR+14]. **Pathways** [KBT24]. **Pattern** [HSZM17, NLW+20]. **Pauli** [HZSA14]. **PCA** [AHPC21]. **PCB** [JDPH+23, KBC+23, MLP+20]. **PCM** [KXY16, LHW+17]. **peak** [LM13]. **PEAL** [AHHS21]. **Peres** [DJ08]. **Performance** [AVK16, AHS22, ASP+18, BSS16, BH17, CDG+12, CKC+18, CJ16, CRKP22, DNHL11, HTMH18, KDMT22, LYWW13, MKW+14, ON15, PSY+18, RBHG21, SCL17, VAK18, VOB19, YWF18, Bea11, BPH+11, DLWW08, HRR19, LMC+11, LML+19, LCT12, MN06, PFOL07, RT07, STA+12, WWJ09, SM11]. **performance-aware** [STA+12]. **Performance-Temperature** [HTMH18]. **Permutation** [GCTF20]. **Persistent** [KMS+20, LHHZ19, LH20, WL22b]. **Perspective** [RSBA23]. **Perspectives** [BWL+21, TTS22]. **Phase** [FYJ+17, RNN+22, SMT+17, WZL16, JRC+13]. **Phase-Based** [RNN+22]. **Phase-Change** [WZL16]. **Photonic** [ACJ17, BS21, BPH+11, CDP17, DEW+23, EDCL+22, FC18, KST+22, KBT24, VK18]. **Photonics** [DCP+21, STNP21, XNK18, Bea11]. **Photonics-Based** [DCP+21]. **Physical** [DCSA22, LBB+18, NVW+22, TMG+21, UMB+18, BCT+13, HZY+12]. **Physically** [LTM22]. **PicoServer** [KSB+08]. **Piezoelectric** [RFDT15]. **pillar** [MFA+13]. **PIM** [REL+22]. **Pin** [WXW+17, XHSC07]. **pin-constrained** [XHSC07]. **Pipeline** [SM11]. **Piracy** [SMZ+19]. **PLA** [CNH12]. **Placement** [BM15, VRBS16, BKJ19, CKB20, LWH14, RHB+20, WWG+19, YYC07, LRN05]. **plane** [LDZ22]. **PLAs** [CHN09]. **Plasticity** [AMF+15, LYL19, WLJC21]. **Platform** [ZM22]. **Pluggable** [VSM19]. **Point** [LYWW13, NV14]. **Pointing** [LBJ+16]. **Points** [AUDS22]. **Polarity** [MGZ+17]. **Policies** [AIK21, ON15]. **Polyhedral** [HFLZ22]. **Polyhedral-Based** [HFLZ22]. **Polynomial** [CRSSBMR21]. **Polynomials** [LP17]. **Pooling** [ZMC15]. **portability** [GN08]. **Portable** [KAS+22]. **Post** [CKA23, GCC+23, MRG22, XS14]. **post-bond** [XS14]. **Post-Manufacturing** [MRG22]. **Post-processing** [GCC+23]. **Post-quantum** [CKA23]. **Potential** [SJKS20]. **Power** [BS21, CKC+18, CMK+21, Che15, DJH+19, FC18, GBLD15, GLMG+15, HN12, JRLR15, KZW+15, KHR+15, KR18, LBJ+16, LHW+17, LTO22, LWM+14, LKL+18, MGS+12, MGST22, MSC+21, OYLL24, PRG+15, PSL+19, QGW20, RMW+17, STSG17, SGR+12, TGCJ16, TW22, TSB15, WXW+17, ZJ11, ZSXY11, ZY18, ZGSA15, ZF15, ABS+12, ANR+14, AHHS21, BS20, ERGK21, GMM12, GGTG+20, KT14, KK12, LJ10, LBGR08, LMC+11, MMJ09, MP10, MFA+13, SM19, WDH+09, XDX14, ZS08, ZJS10, ZFT13]. **Power-based** [LTO22]. **Power-efficient** [BS21, MSC+21, ANR+14]. **Power-Gating** [HN12, ZF15]. **Power-Utility-Driven** [LHW+17]. **Powered** [JRLR15, ZPL+20, WCSA10]. **Powerful** [VMV13]. **PPU** [GYM+17]. **Practical** [GGHP+24, HAV+22]. **Pre** [FSDT23, XS14]. **pre-bond** [XS14]. **Pre-silicon** [FSDT23]. **Precise** [WDG+20]. **Precision** [HM21, LWY22]. **Predict** [BS20]. **Prediction** [MKSW17]. **Predictions** [SMT21]. **Predictive** [DKK+15, ZC07]. **Prefetching** [YYBK19]. **Pressure** [MGS+12]. **Prevent** [ASMK22].

Prevention [MLP+20]. **Primitive** [GRPT13]. **Primitives** [ABR+21, BSY+16, HMS+05]. **Principal** [AHPC21]. **Printed** [PB21, RHB+20]. **Privacy** [FMTP22]. **Proactive** [PRG+15]. **Probabilistic** [AHHS21, KSG14, ZCDD19, KT14]. **Probability** [VAK18]. **Probes** [SKB13]. **Probing** [RDM+21]. **problem** [EWKNW07]. **Problems** [AAO21]. **Process** [CMK+21, GPW+15, KAKSP14, LKK+22, MGK18, SCL17, XYM18, ZM22, XPD12]. **Process-Variation-Tolerant** [XYM18]. **Processing** [AL17, BH17, CLZ+22, KWG+20, KHC+22, MGMU22, RAC+24, XYJ+21, XCS+19, dLBHC22, GCC+23, Gla14, KT14, LM13]. **processing-in-wire** [Gla14]. **Processor** [GKT+18, GYM+17, KRP+21, KZL15, Mit17, STSG17, WXW+17, YJ18]. **Processors** [HAV+22, KAKSP14, KAB+21, PRG+15, SLC+17, WKL16, ZMC15, ZWL+15]. **productivity** [SMR+12]. **Products** [TFZ+21]. **Profiled** [RBHG21]. **Programmable** [AMF+15, DPB11, Deh05, WDH+09]. **Programming** [CD22, KAS+22, KMS+20]. **Programs** [WWC23]. **Project** [TMM+07]. **Projection** [DLTSNA20]. **Promises** [YW13]. **Propagation** [BMTP24]. **Propagation-of-Provenance** [BMTP24]. **Property** [Bis21]. **Prospect** [PFOL07]. **Prosthesis** [SSN12]. **Protecting** [LCK19]. **Protection** [Bis21]. **Protein** [PPM+13]. **Protocol** [RDS24, YWF18]. **Protocols** [BBR+23]. **PROTON** [VRBS16]. **Provenance** [BMTP24]. **Provide** [SLC+17]. **Providing** [KMS+20]. **ProWATCh** [PRG+15]. **Pruning** [AHS17]. **PUF** [AHPC21, BMTP24, DSB16, FMTP22, KT20, LYEK22, MKMS22, RDS24, TMG+21, VDB+16, XZR+22]. **PUF-based** [BMTP24, LYEK22]. **PUF-Cash** [FMTP22]. **PUFs** [AHS22, HON21, IGR+16]. **PVFS** [JOF+15]. **PVT** [CMJ14, CJ14a, CJ15, TGCJ16, YJ18].

QCA [CNHL08, CHN09, DPB11, DK09, Gla14, GPW+15, HMS+05, LRN05, MHL08, OSLT06, SWJ07, SDSS14, TCSV09]. **QCA-based** [CHN09]. **QCOR** [MMD+20]. **QLib** [LCJ14]. **QPSK** [LZCX22]. **Quality** [AHPC21, MEHT21]. **Quality-assured** [MEHT21]. **Quantifying** [HLS14, NPH18]. **Quantitative** [SPS+24]. **Quantization** [CQZ+21, KKK22, XLW+18]. **Quantized** [LNL19]. **Quantum** [AUDS22, AVK16, AHSZ16, ATW+22, BM15, BH17, CD22, CVK15, CV11, DD14, DPB11, GCJ17, HZSA14, HSZM17, KAS+22, KDSD24, LCSP14, LCJ14, MMD+20, MCT18, NV14, PSY+18, RDH14, SCT+22, ST20, TNWD20, VAK18, WD22, CKA23, CV12, DWL10, MTC+08, TR10, VO06, VMNI08, WDH+09]. **Quantum-Classical** [MMD+20]. **Quantum-Dot** [DPB11, TNWD20, DWL10]. **Quantum-Logic** [AHSZ16]. **Quasi** [LZCX22]. **Quasi-digital** [LZCX22]. **Quaternary** [SJKS20]. **Qubit** [AVK16, KDSD24, MCT18, NPS+20, SCT+22]. **QuickRecall** [JRLR15]. **Quit** [WGY21]. **QuTiBench** [BHLD19].

R-SWMR [HAV+22]. **Racetrack** [KWC+20]. **Radial** [SRD+06]. **Radio** [CFK22, EFRB22]. **Radio-Frequency** [CFK22]. **Radix** [GUP11]. **Rail** [DLTSNA20]. **RAM** [CWL+13, LPW18, RKM15, ZCX+17]. **Ramifications** [JMKM21]. **Random** [KR18, LTKP16, LBJ+16, MPZ21, AKW+13, CSKM13, SWJ07]. **Randomized** [SHAC19]. **Randomly** [CThG15]. **Ranging** [RNN+22]. **Rank** [HHD+23]. **Rate** [QGW20]. **Ray** [KBC+23]. **RCG** [ZBF+22]. **Read** [WRWW17, ZCX+17]. **Real**

[DRL+19, GSC17, JWJ+17, KR18, KPFM16, SPS+24, SM19, TWLL19, ZBF+22, LWX+14]. **Real-Time** [DRL+19, GSC17, JWJ+17, KR18, KPFM16, TWLL19, SM19, ZBF+22, LWX+14]. **Realization** [BSL+18, PP21]. **Realizing** [SDSS14]. **reasonable** [CNHL08]. **Recognition** [CKC+18, KSA+22, PSR17, TZR20]. **Reconciliation** [IASK20]. **Reconfigurable** [CEW+13, CCH16, CDP17, CNH12, GZZ+21, KPPB17, KZL15, NLL+17, VK18, WHL+21, EWKNW07, Sek07, SC06, Tah06, ZJS09a, ZJS09c, ZJS09b, ZJS10]. **Reconfiguration** [MEHT21]. **Reconstruction** [ZBF+22]. **Recorder** [SCZ+12]. **Recovery** [KCC+14, Sek07, ZXC10]. **Recurrent** [LZXL22, LJL18, SBZT20]. **Recycle** [BS20]. **REDELF** [LKC15]. **Redesign** [YXD+17]. **Reduced** [SGR+12]. **Reducing** [FC18, LBJ+16]. **reduction** [LSH14]. **Reductions** [MMAAK23]. **Redundancy** [ABR+21, WDW13, SC06, WWJ09]. **Redundant** [HH11]. **Reed** [LJ14]. **Reference** [AMH+24, MGK18]. **Reflection** [MGST22]. **ReG** [LDP+20]. **Register** [CZW+19, WX15, ZCX+17, TCSV09]. **Regular** [DDR+16b]. **Regularization** [YMWH21]. **Regulators** [IBO22]. **Reinforcement** [AAO21, DJH+19, FMTP22, RAC+24]. **rejuvenation** [AMA+14, CNPR14, MNT14, ZJT+14]. **Relativistic** [MJ11]. **Release** [HLH+12]. **Release-on-Demand** [HLH+12]. **Reliability** [ANR+14, BAT+22, HCTK08, KYEB15, LYWW13, LBB+18, SHB+21, CWT14, DJH+19, DK09, Edi14, TMM+07]. **Reliable** [CKA23, KT20, XZR+22, McK07, WWJ09]. **Rematerialization** [SBR19]. **Rendering** [LMZZ24]. **Repercussions** [SPS+24]. **Replacement** [ON15]. **replicating** [TMM+07]. **Representation** [BBR+23, WL19]. **ReRAM** [BOAC+20, FSD22, KKY+20, LKK+22, LDP+20, WL19]. **ReRAM-Based** [WL19, KKY+20, LDP+20]. **ReRAMs** [MSB+22]. **Research** [WWG+19]. **Reservoir** [BY18, LMM18]. **Residue** [HH11, PAP+22]. **Resilience** [ACM+20]. **Resiliency** [SFD17, WWZ+22]. **Resilient** [ALY+21, LCT12, LZX+21, OK22, RDM+21, RSD+23a]. **Resistance** [ZJ11, ZH20]. **Resistant** [VDK+21]. **Resistive** [BSL+18, DSB16, KKKK18, WRWW17, ZH20]. **resonant** [LM13]. **Resonator** [ZLGL21]. **Resource** [AVK16, NV14, OGB18, PHS+15, TZR20, TSÁ+24, TMG+21]. **Resource-Constrained** [OGB18, TSÁ+24, TMG+21]. **Resource-Efficient** [NV14, TZR20]. **Response** [CMJ14, MGST22]. **Restoring** [MCT18]. **Restricted** [YP17]. **Resulting** [SDSS14]. **Retail** [KK12]. **Rethinking** [WZL16]. **Retrieval** [BBB+16]. **Reuse** [CH14]. **Reverse** [BWL+21, CCW18, QCF+16]. **Reversible** [DRSR14, DBG+14, DDR+16b, DJ08, HM14, LCSP14, Mog14, NV14, SMZ+19, SZSS10, SDSS14, SSP14, SWK+16, WDT14, CW08, LJ14, PSM+06, TR10, TR13]. **Review** [JLL+17, PYSJ22]. **RF** [CFK22, BSS16]. **RF/Analog** [BSS16]. **RIMEP2** [HM14]. **Ring** [HON21, ZFT13, ZLGL21]. **Ripple** [MGZ+17, RSD+23a]. **Ripple-Carry** [MGZ+17]. **Ripple-less** [RSD+23a]. **RMDDS** [LJ14]. **RNNFast** [SBZT20]. **RNNs** [TFZ+21]. **RO** [AHPC21]. **RO-PUF** [AHPC21]. **Robust** [ASB+21, AMH+24, BMB18, CQZK14, GRPT13, GJ17, LZX+21, LDZ22, MGK18, NAY24, PPM+13, SAAR20, CB09, WVGP13]. **Robustness** [BS15]. **Root** [MCT18]. **Router** [Bis17, DRL+19, KPFM16, CA11]. **Routing** [VRBS16, DDP20, HRR19, LKC15, LDL10, MKW+14, PHS+23, RHB+20,

VOB19, WWG+19, RT07, XC08]. **RRAM** [JRJ22, NHL+17]. **RRAMs** [FMW+22]. **RT** [ZBF+22]. **RT-RCG** [ZBF+22]. **RTL** [LDPPB21, WJWM23]. **Rule** [OBLD14]. **Rule-Based** [OBLD14]. **runtime** [GMM12].

SaARSP [LZXL22]. **SABER** [VDK+21]. **SAF** [MZZ23]. **Safety** [SPS+24]. **Sampling** [QGW20]. **SAT** [TSÁ+24]. **SAT-Based** [TSÁ+24]. **Saviors** [ABM21]. **Scalable** [BPS19, BS21, Che15, DBS+21, GLL+21b, GB18, MT14]. **Scale** [KCD15, KWWI17, PDL15, Bea11, CCTP08, LDL10, LGYC21, PDLS06]. **scaled** [LBGR08]. **Scaling** [BSS16, JOF+15, LYWW13, WCSA10]. **SCALPEL** [RD22]. **Scan** [RSBA23, WFCX09, HCTK08, XS14]. **Scan-based** [RSBA23]. **Scan-chain** [WFCX09]. **ScatterVerif** [MGST22]. **Scheduling** [BM15, MSCS19, OGB18, SM19, TSÁ+24, STA+12, ZJT+14]. **Scheme** [CHA20, GLMG+15, GB18, MKMS22, MGK18, MSC+21, WRWW17, XS14]. **Schemes** [NVW+22, SMR+21, GD12]. **SCKVdd** [Che15]. **Scoring** [AAFM13]. **SCT** [RT08]. **Search** [ZBF+22]. **Searches** [MT14]. **Secret** [BBB+16]. **Section** [SCLW19b, Bah09, LC08, Moh12]. **Secure** [ALY+21, CFK22, FKM22, MKMS22, RDS24, SK16]. **Securing** [EFRB22, PHS+23, RSBA23]. **Security** [AHS22, BSY+16, BGX+21, EDZ+23, FSDT23, FMP+21, GSC17, IGR+16, KRG+23, LTM22, LYEK22, MAC+21, MPR+22, NVW+22, PRV+20, PAC+22, RNN+22, SMR+21, WYZ+20, WJWM23]. **Segment** [KXY16]. **Segment-Based** [KXY16]. **Segmentation** [CLZ+22, MCH22, WL22a]. **Seizure** [SGR+12]. **Self** [CBK+22, Che15, DLL+19, IBO22, LCK19, MRG22, MGK18, RMG15, TMM+07, YYBK19, LDL10, PDL07, WCSA10]. **Self-aware** [DLL+19]. **Self-learnable** [YYBK19]. **Self-Organizing** [RMG15, LDL10, PDL07]. **Self-Protecting** [LCK19]. **Self-Reference** [MGK18]. **Self-replicating** [TMM+07]. **Self-Stabilized** [Che15]. **Self-Test** [CBK+22, MRG22, IBO22]. **self-timed** [WCSA10]. **Semantic** [JDPH+23]. **Semi** [ZK18]. **Semi-Trained** [ZK18]. **Sense** [SFD17]. **Sensing** [MGK18, ZLGL21]. **Sensitive** [ZY18]. **Sensitivity** [LDK+18, WDG+20]. **Sensitivity-based** [LDK+18]. **Sensor** [LPB+15, LWM+14, MKMS22, MGS+12, RDS24, GD12, LWX+14, WOW+10]. **Sensors** [GGTG+20]. **Separable** [HYA+20, KRP+21]. **Separation** [KR18]. **Sequence** [PPM+13]. **Sequences** [MT14]. **Sequential** [NLL+17, CW08, TR10]. **SerDes** [XLL+18]. **serial** [Gla14]. **Series** [MKSW17]. **server** [MNT14]. **servers** [ABS+12, KSB+08]. **Setup** [GB18]. **SFQ** [GGHP+24, PP21]. **Share** [BS20]. **Shared** [HAV+22, PAB+17, VK18]. **Sharing** [CDP17, MKMS22, SSP14]. **SHARP** [VK18]. **Shielding** [ZCX+17]. **Shift** [VSRR15, TCSV09]. **Shift-Based** [VSRR15]. **shift-register-based** [TCSV09]. **shifter** [MP10]. **Short** [ZSPC19]. **Short-Term** [ZSPC19]. **ShuntFlowPlus** [GLL+21b]. **Si** [HCTK08, KAB+21]. **Side** [ABM21, ASK23, VDK+21, DDG+22, DCSA22, MLW+23, PYSJ22, PRV+20, RPBA21, RBHG21]. **Side-Channel** [ABM21, PRV+20, ASK23, DDG+22, DCSA22, MLW+23, RPBA21, RBHG21]. **Side-Channel-Resistant** [VDK+21]. **Sign** [FSDT23]. **Sign-off** [FSDT23]. **Signal** [LPM+19]. **Signaling** [KST+22]. **Signals** [YLR+23]. **Signature** [TW22, XZR+22]. **Signatures** [DDG+22]. **Signed** [GZZ+21]. **Silicon** [CDP17, KDMT22, MLW+23, STNP21, TZS14, XNK18, BPH+11, FSDT23].

Silicon-correlated [MLW+23]. **Silicon-Photonic** [CDP17]. **SILVerIn** [PB21]. **SIMD** [PDL07]. **Similarity** [KSA+22]. **Simple** [DDR+16b]. **Simplified** [FYJ+17]. **simplifying** [PSM+06]. **Simulated** [MPZ21]. **Simulation** [CJ14a, CJ15, FYJ+17, GHHW19, KKNM22, MLW+23, SWJ07, YLF+17, FGZ14]. **Simulation-based** [KKNM22]. **Simulator** [AVK16, RAC+24, VAK18, VSM19, ZLB+22, HYWA09, LJ10]. **Simulators** [ZF15, KCC+14]. **Single** [VRBS16, CEW+13, CCH16, WHL+21, SXL+12]. **Single-Electron** [CEW+13, CCH16, WHL+21]. **single-walled** [SXL+12]. **Situ** [MS19, ZK18]. **sizing** [LSH14]. **Sketching** [AL17]. **Skew** [NPA+12]. **SkyBridge** [BLKM23]. **Skyrmion** [KWC+20]. **Slicing** [LDZ22]. **Small** [MKW+14]. **Small-World** [MKW+14]. **SNE** [MPZ21]. **Sneak** [WRWW17]. **Sneak-Path** [WRWW17]. **SNN** [KWG+20]. **SoC** [GSC17, HLH+12]. **soft** [LWX+14, SKRX13]. **soft-error** [LWX+14]. **Software** [ASK23, AMA+14, BGX+21, IGGR19, KKY+20, LDPPB21, WZL16, ZJT+14, CNPR14, MNT14]. **Software-driven** [BGX+21]. **Solar** [RSD+23a]. **Solution** [BAT+22, BM15, KHC+22]. **Solutions** [FSDT23, FMP+21, LYEK22, LCK19, Rez23, VGZ11, ZCB+22, MN06, Moh12]. **solver** [KTW08]. **Sort** [GUP11]. **Sorting** [ANT22, MSC+21]. **SOT** [PAF18]. **SOT-MRAM** [PAF18]. **Source** [Bis17, KR18]. **Sources** [BGX+21]. **Space** [LDK+18, ZJK22, TJ13a, XLBB06, ZJS09a]. **SPARCNet** [PJSM17]. **Spare** [BKJ19]. **Sparse** [HIH18, HYA+20, PJSM17, RMG15]. **Sparsification** [PSL+19]. **Sparsity** [YMWH21]. **Spatial** [KWFH12, LTO22]. **Spatio** [MMAAK23]. **Spatio-Temporal** [MMAAK23]. **Special** [BY12, CQL21a, CQL21b, DMYT15, DR11, DHK+23, FSDT23, FMP+21, GMGA23, Gui13, HN15, KK23, LZBW20, Moh12, MPR+22, 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+15, FC18]. **Specification** [MMD+20, OBLD14]. **spectrally** [KTW08]. **Speech** [CKC+18]. **Speed** [BYHT18, LTKP16, PAB+17, XLL+18]. **Speedup** [KAKSP14]. **SPICE** [KCC+14]. **SPICE-compatible** [KCC+14]. **Spike** [AMF+15, LYL19, MSC+21, ZWL+15]. **Spike-Time-Dependent** [ZWL+15]. **Spike-Timing-Dependent** [AMF+15]. **Spike-timing-dependent-Plasticity** [LYL19]. **Spiking** [ASB+21, BVM+19, CThG15, HIH18, JRJ22, KCD15, LZXL22, LMZZ24, LJL18, LYL19, MSC+21, NAY24, RBG+22, SPR18, VOB19, LMZZ24]. **Spiking-NeRF** [LMZZ24]. **Spin** [AKW+13, MS17, SCT+22, VSRR15, WYZ+20, YLF+17, CSKM13, CWL+13, EWKNW07, MFA+13, XZR+22]. **Spin-based** [WYZ+20]. **Spin-Torque** [YLF+17]. **Spin-transfer** [AKW+13, XZR+22, CWL+13, MFA+13]. **spin-transfer-torque** [CSKM13]. **spin-wave** [EWKNW07]. **SpiNNaker** [PCD+11]. **Spintronic** [AMH+24, IGR+16, SBT20]. **Spintronic-based** [AMH+24]. **Spintronics** [KZW+15]. **Split** [CZW+19]. **Splitters** [DWK+16]. **Square** [MCT18]. **SRAM** [GJ17, KHC+22, RKM15, TFR23]. **SRAMs** [RMW+17]. **SSS** [DLL+19]. **Stabilized** [Che15]. **stacked** [KWFH12, MHM+08, SKRX13, ZS08]. **stacked-Vdd** [ZS08]. **stacking** [KSB+08, MHM+08]. **Stage** [ZGSA15]. **Stand** [RFDT15]. **Stand-By** [RFDT15]. **Standard** [CMJ14, KCWL+16, MS17].

STAP [dLBHC22]. **State** [MDS21, ABS+12]. **Static** [DLL+19]. **Static-dynamic** [DLL+19]. **Statistical** [LTKP16, YJ18]. **STDP** [SAAR20, SPR18]. **STDP-based** [SAAR20, SPR18]. **Stealthy** [CMZR23]. **Step** [WRWW17]. **STIFT** [MMAAK23]. **Stitch** [MDS21]. **Stochastic** [ACH+17, AL17, EDCL+22, GIS+22, KKNM22, LNL19, LQYL19, LP17, LMM18, MZR+14, MKSW17, MS19, MS20, NLL+17, NPH18, PHS+23, ZCDD19]. **stochastically** [GRS05]. **Stone** [BSL+18]. **Storage** [SCZ+12, VSRR15, VTKT22, YYPK17, ORC+24]. **strain** [LWH14]. **Strategies** [SFD17, FRB08, GRS05]. **Strategy** [MSCS19]. **Stream** [GLL+21b]. **Streaming** [GYM+17, KR18, QGW20]. **Streams** [GGTG+20]. **stretching** [MRH12]. **Structure** [DDR+16b, YYPK17]. **Structured** [AHS17, LH20]. **structures** [PSM+06]. **STT** [AKW+13, LPW18, NLW+20, PFRR17, SFD17, SMT21, VDB+16, ZCX+17]. **STT-MRAM** [AKW+13, SMT21]. **STT-MRAM-based** [NLW+20]. **STT-RAM** [LPW18]. **STTRAM** [GG17, MGK18, WX15]. **STTRAM-Based** [GG17, WX15]. **studies** [CNPR14]. **Study** [DDR+16a, KWC+20, KST+22, PPM+13, PSY+18, SCT+22, YLF+17, CB09, HCTK08]. **styles** [CJ14b]. **Sub** [GVRR17, ON15, RFDT15, WOW+10]. **Sub-** [RFDT15]. **Sub-10nm** [GVRR17]. **Sub-Block** [ON15]. **sub-mW** [WOW+10]. **Subcrossbar** [YL14]. **Substrate** [PAB+17]. **Success** [NPS+20]. **Suite** [XCS+19]. **Sum** [KKK22]. **Super** [GVRR17]. **Super-Threshold** [GVRR17]. **Supercapacitor** [LPB+15]. **Supercapacitor-Based** [LPB+15]. **Superconducting** [GGHP+24, PP21]. **Supervised** [CZQK15, LYL19]. **Supervision** [EFRB22]. **Supply** [EFRB22, LWM+14, MLP+20, MMJ09]. **Support** [CTT+20, KMS+20]. **Surface** [CMJ14, KDMT22, KTW08]. **Surface-Wave** [KDMT22]. **Surgical** [XYJ+21]. **Survey** [BVM+19, EDZ+23, GBLD15, GNY+22, KAB+21, KK12, KRG+23, Mit16, Mit17, QCF+16, SFD17, STNP21, CNPR14]. **sustainability** [KMD12]. **Sustainable** [RSD+23a, RSD23b, PG12]. **SW** [JRLR15]. **SWIFTNoC** [CDP17]. **Swing** [SSF+15]. **Switched** [GB18]. **Switching** [BSL+18, DRG21, MKG+23]. **SWMR** [HAV+22]. **Symbol** [GLL+21a]. **Symmetric** [DDR+16b]. **Symposium** [Shu09]. **Synapse** [LWY22]. **Synapses** [WKL16, WLJC21, JRC+13]. **Synaptic** [BOAC+20, KZL15, WKL16]. **Synchronous** [RFDT15]. **Synthesis** [AHSZ16, CEW+13, CH14, CCH16, CW08, DRSR14, DWK+16, DDR+16b, GCJ17, HSZM17, HD14, LCSP14, MPM13, PT14a, PAC+22, SMZ+19, SSP14, SKB13, CCTP08, DJ08, LJ14, MMJ09, PT14b, SZSS10, SC08, XC08, ZXC10, VTKT22]. **Synthetic** [Dea14, FHFK14, HD14, MHW14, MSW14, OBLD14, VMV13]. **System** [ASB+21, ARLB18, BY18, CJ15, DEW+23, DLL+19, HH11, AML+23, JWJ+17, KSA+22, LBJ+16, LWM+14, MKSW17, PAP+22, QCF+16, RSD+23a, SS15, SN11, SCZ+12, TZR20, TSMCB17, WXW+17, CB09, MP10, YW13, ZJS09c, ZJS09b, PCD+11, YXW+12]. **System-Level** [ARLB18, JWJ+17, MP10]. **System-on-chip** [DLL+19, PCD+11, YXW+12]. **Systematic** [PB21]. **Systems** [ACJ17, ARD24, BAT+22, CMZR23, DMYT15, DRL+19, EDZ+23, FKM22, FYJ+17, GBLD15, HIH18, IASK20, KZW+15, KDMT22, MSCS19, MGMU22, MAC+21, RMW+17, RNN+22, REL+22, SAAR20, SPS+24, TWLL19, TTS22, TSB15, TKBM12, TV17, WZL16, XNK18, ZSXY11, GMM12, LBGR08, LWX+14, Moh12, MCT10, PG12, STA+12, SLS+14, WOW+10,

WCSA10]. **systems-on-chip** [GMM12, LWX+14]. **Systolic** [LZXL22]. **Systolic-Array** [LZXL22].

T [MCT18]. **T-count** [MCT18]. **Tag** [RD22]. **Tag-enforced** [RD22]. **Taming** [AGR+23]. **Targeting** [CKC+18, HSZM17, MKG+23]. **tasks** [STA+12]. **Taxonomy** [SFD17]. **TCAMs** [dLBHC22]. **Technique** [CCW18, Che15, HRR19, HLH+12, TFR23]. **Techniques** [Bis17, EDZ+23, GBLD15, KPFM16, Mit16, Mit17, RBHG21, TJ13b, WYZ+20, BCT+13, KP10]. **Technologies** [DLTSNA20, FNO+19, GBLD15, TSB15, BC08, Edi14, PR13, PUBV07, VO06, GN08]. **Technology** [BLKM23, BSY+16, CTP14, FCR23, GMM12, GVRR17, KZW+15, MGMU22, TGCJ16, TTS22, KSB+08, MHM+08, SX11, XDX14, ZC07]. **Technology-Agnostic** [CTP14]. **Technology-Based** [BSY+16]. **Technology-driven** [GMM12]. **Telementoring** [XYJ+21]. **Temperature** [HTMH18, PRG+15, KCC+14, LWH14]. **Template** [RDH14]. **Templates** [SM11]. **Temporal** [LFDS22, MDS21, MMAAK23, KWFH12]. **tenant** [CMZR23]. **Terabit** [KBT24]. **Term** [ZSPC19]. **Ternary** [GG17]. **Test** [AUDS22, CBK+22, FMW+22, MRG22, MSCS19, MKG+23, TJ13b, ZCB+22, IBO22, XS14]. **Testability** [DDR+16b]. **Testable** [SDSS14, XDX14, LBGR08]. **Testing** [BMB18, AML+23, KKC17, DJRM09, RT08, XS14, ZJT+14]. **TFET** [DLTSNA20, KCWL+16]. **TFT** [HCTK08, LWH14]. **TFTs** [LBGR08]. **Their** [KAB+21]. **theoretic** [DWL10]. **Theory** [RBGC14]. **Thermal** [ARLB18, DJH+19, KDMT22, MSCS19, TJ13b, ZY18, ZLGL21, KWFH12, XS14]. **Thermal-aware** [MSCS19]. **thermal-driven** [XS14]. **Thermal-reliability-aware** [DJH+19]. **Thermal-Sensitive** [ZY18]. **thing** [RSD+23a]. **Things** [MPR+22]. **Third** [FMTP22]. **Thread** [LML+19]. **Threats** [ASMK22, GSC17]. **three** [MLK+08, WFCX09, XS14]. **three-dimensional** [MLK+08, WFCX09, XS14]. **Threshold** [GVRR17, Mit16, PT14a, SCL17, MMJ09, PT12, PT14b, WDH+09]. **Through-Silicon-Via** [TZS14]. **Throughput** [WL22b, CA11, RMBC12]. **tier** [CMK+21]. **Tile** [HMS+05, WWG+19, ZLB+22]. **Tile-based** [HMS+05, WWG+19]. **Tiled** [DPB11]. **Time** [DRL+19, GSC17, JWJ+17, KR18, KPFM16, LMM18, MDS21, MKSW17, NVW+22, SPS+24, SHAC19, TWLL19, XLL+18, ZWL+15, AMH+24, LWX+14, MNT14, SM19, SPR18, ZBF+22]. **Time-based** [MDS21]. **Time-Randomized** [SHAC19]. **Time-varying** [NVW+22]. **timed** [WCSA10]. **Timing** [ASK23, AMF+15, CRSSBMR21, TMG+21, LYL19]. **Timing-aware** [TMG+21]. **Timing-based** [ASK23]. **Timing-Optimized** [CRSSBMR21]. **TLC** [AM18]. **TODAES** [BC08]. **Tolerance** [SLC+17, WDW13, DWL10, LSH14, SCI+09, Tah06, Tah09, XC08]. **Tolerant** [BKJ19, CLZ+22, CVK15, DJ16, GYM+17, HH11, LCK19, MGZ+17, XYM18, ABR+21, LWX+14, PDL07, TWL09, YYC07, ZMT13]. **Tolerating** [MZZ23]. **Tomography** [XYJ+21, XZL+21]. **Tool** [VRBS16, dLBHC22, HZY+12]. **Topology** [LGYC21]. **Torque** [XZR+22, YLF+17, AKW+13, CSKM13, CWL+13, MFA+13]. **Torus** [YXW+12]. **Torus-Based** [YXW+12]. **Tracking** [ZPL+20]. **trade** [CDG+12]. **trade-offs** [CDG+12]. **Tradeoffs** [HTMH18, SFD17]. **Trading** [ACH+17]. **Traditional** [KMS+20]. **Trained** [WL19, ZK18]. **Training**

[HHD+23, LDP+20, LWY22, MS19]. **Transfer** [CZW+19, AKW+13, CSKM13, CWL+13, MFA+13, XZR+22]. **Transfer-Level** [CZW+19]. **Transferable** [HMP+22]. **Transfers** [BMTP24]. **Transform** [DBG+14]. **Transformations** [GOGCK11, BCT+13]. **transient** [ZFT13]. **Transiently** [JRLR15]. **Transistor** [CEW+13, CCH16, GLMG+15, HC15, RMW+17, WHL+21, DLWW08, HZY+12]. **Transistors** [HN12, KAB+21, MGZ+17, WDH+09]. **Transparent** [KMS+20]. **Transporters** [PPM+13]. **Tree** [CH14, GCJ17, MMAAK23, YYC07]. **Trends** [LZBW20, TGCJ16, ZLWB20]. **Triangle** [KPM22]. **Triangle-based** [KPM22]. **Trojan** [ATW+22, CKWK18, DRG21, GCC+23, MKG+23, OK22, RSD+23a, WHB+21]. **Trojans** [ZFT13, ZLGL21]. **True** [LTKP16]. **Truly** [KHC+22]. **Trust** [BWL+21, IGR+16]. **Trusted** [FMTP22]. **Trustworthy** [JHPG22, SK16]. **TSV** [AGD+20, KYEB15, MRG22]. **TSVs** [ARLB18]. **Tumor** [WL22a]. **Tunable** [GKT+18, WLJC21]. **Tunnel** [VDB+16]. **tunneling** [LM13]. **Tutorial** [BWL+21]. **Two** [BMTP24, GUP11]. **Two-Dimensional** [GUP11]. **Type** [YJ18].

U [GGHP+24, WL22a]. **U-Net-based** [WL22a]. **U-SFQ** [GGHP+24]. **ULS** [MP10]. **Ultra** [CJ16, CJ14b, ERGK21, GGTG+20, GJ17, KZW+15, KT14, MGS+12, STSG17, TSB15]. **Ultra-Low** [TSB15]. **Ultra-Low-Leakage** [CJ16, CJ14b, GJ17]. **Ultra-Low-Power** [KZW+15, MGS+12, STSG17, ERGK21, GGTG+20]. **Uncertainty** [RPBA21]. **Unclonable** [LTM22, TMG+21, UMB+18]. **Underlapped** [GVRR17]. **UNet** [CLZ+22]. **Unified** [YYPK17]. **Uniform** [SMT+17]. **Unipolar** [LP17]. **Unit** [KHC+22]. **Units** [BH17, Gla14]. **Universal** [CZQK15, CVK15, MP10]. **Unsupervised** [ASB+21, ATW+22, KSA+22, LYL19, SPR18]. **Updates** [FKM22]. **Use** [KMS+20]. **Using** [AVK16, ALY+21, ATW+22, Bis21, CHA20, CJ16, CKWK18, DSB16, DPB11, DLL+19, EDCL+22, GKT+18, GOGCK11, GGTG+20, GGHP+24, GUP11, GSC17, GJ17, HZSA14, HLH+12, JRJ22, KPM22, KR18, KSA+22, KWWI17, LBJ+16, LQYL19, LP17, LMM18, MDS21, MSB+22, Mit17, MGST22, MSC+21, NPS+20, PFRR17, PT14a, PAF18, PB21, RBHG21, RDS24, SCL17, SBZT20, SPS+24, TZR20, TFZ+21, TNWD20, VSRR15, WM24, YLR+23, YJ18, ZCDD19, BSL+18, BPH+11, CMJ14, DRSR14, HMS+05, JRC+13, KRP+21, KT14, KK12, KCD15, LBGR08, LSH14, MMJ09, MHM+08, PAP+22, RBGC14, SZSS10, SPR18, SXL+12, SC06, YYC07, ZFT13, ZJT+14, KSB+08]. **Utility** [LHW+17]. **Utilizing** [LDZ22, OYLL24, WDH+09].

Validation [SSN12]. **Variability** [GPW+15, NLK+13, VDB+16]. **Variable** [DKK+15]. **Variable-Latency** [DKK+15]. **Variation** [GLMG+15, MZZ23, MGK18, XYM18, ZM22, MRH12, ZMT13]. **Variation-Aware** [GLMG+15]. **variation/defect** [ZMT13]. **variation/defect-tolerant** [ZMT13]. **Variations** [CMK+21, CMJ14, CJ14a, CJ15, DSB16, KAKSP14, SCL17, TGCJ16, YJ18, RYT+07, XPD12]. **Various** [KBT24]. **varying** [NVW+22]. **Vdd** [ZS08]. **Vector** [KHC+22]. **Vectors** [MKG+23]. **Vehicular** [LTM22]. **Verification** [EDZ+23, MGST22, PB21, ZM22]. **Versus** [DDR+16a, AGD+20]. **Vertical** [BLKM23, KCWL+16, LKC15]. **Via** [KBC+23, TZS14, PHS+23, WWJ09, YWF18, ZLGL21]. **Vias** [CBK+22]. **vibration** [WCSA10]. **Victims** [ABM21].

Video [QGW20]. **Viewpoint** [GFZ13]. **virtual** [Sek07]. **virtualized** [MNT14]. **Virtualizing** [WWC23]. **Vision** [AML+23]. **VLIW** [SLC+17]. **VLSI** [AMF+15, DKK+15, MRH12, YP17]. **Volatile** [KHR+15, RKM15, STSG17, WL22b, YYPK17, YXD+17, ZPL+20, RCYB22]. **Voltage** [Che15, EFRB22, IBO22, JOF+15, KKKK18, MSB+22, SCL17, SXL+12]. **Voltage-Controlled** [MSB+22]. **voltages** [MMJ09, WDH+09]. **vs** [CJ14a, DWK+16, KWC+20]. **Vulnerabilities** [PAC+22]. **Vulnerability** [BGX+21, HON21, SKRX13].

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