

A Complete Bibliography of *ACM Transactions on Design Automation of Electronic Systems*

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22 March 2019
Version 1.68

Title word cross-reference

1 [AGM01]. 2 [FWCL05, GH00, RL13]. 2.5 [WCB15, WWCT18]. 3 [ADDM⁺13, CLT⁺15, DLC⁺17, JGM14, KK11, KKHK16, KLE18, LLKC13, LDD⁺18, LHZ⁺06, LHC16, LW17, LS17, OS03, SYX12, THM15, TMDF10, WYC10, YHH09, ZYS12]. 4 [JCGP05]. *dd* [MLMM08]. **DDX** [SW04]. **Fmax** [PMB10]. $GF(2^m)$ [RMPJ08]. *H* [CLT⁺15]. *k* [CLH12]. *k/m* [CHY05]. μ [DHZ⁺11]. *N* [Pom16b, CLH12, Pom17a]. $o(\min(m, n))$ [LM05]. *t/t* [CH13]. V_i [KOS09].

-Ary [CLH12]. **-based** [SW04]. **-Cubes** [CLH12]. **-D** [OS03, WYC10]. **-Detection** [Pom17a, Pom16b]. **-Diagnosability** [CH13]. **-distinguishability** [AGM01]. **-domain** [FWCL05]. **-driven** [MSD06]. **-geometry** [JCGP05]. **-macrocell-based** [CHY05]. **-Matrix-Based** [CLT⁺15].

0.35V [ACF⁺11]. **0.35V-Optimized** [ACF⁺11].

2-stage [KSA⁺10]. **2.0** [CLYP09, HWGY16, LLL⁺18]. **2009** [GK09]. **252Kgates** [CCC⁺09a]. **252Kgates/4.9Kbytes** [CCC⁺09a].

36 [DHZ⁺11].

4.9Kbytes [CCC⁺09a]. **40nm** [ACF⁺11]. **45-degree** [CT13, TP08]. **45nm** [BFL10].

71mW [CCC⁺09a].

90nm [CFD⁺16].

A3MAP [JP12]. **aberration** [KPSW09]. **absence** [SPA⁺03]. **Abstraction** [HZS⁺19, CMNQ08, CLM⁺10, HMB98]. **abstraction/refinement** [CLM⁺10]. **ABW** [CIX15]. **Accelerated** [LD17, BHDS09, MLC08]. **Accelerating** [HW14, LS11, SKS12]. **acceleration** [GPK⁺09]. **Accelerator** [LYL⁺19, AHL⁺08]. **Accelerators** [SV11, LSPC14, YLP⁺13]. **Access** [GSD⁺18, OKC08, XYG⁺16, Cha01, KLS11, KCKG13]. **Accesses** [KCKG16]. **Accurate** [DKZ⁺15, LJ18, SV16, SKCM06, TWL16, TEK18, MFS09, RCD07, SGD10, XK97]. **Achieving** [KJT04, STL⁺13]. **ACM** [GK09, BC08, CH10a, KLSZ09, QS11, SN10, CPX14]. **acoustic** [FIR⁺97]. **acquisition** [NR03]. **across** [LBV⁺06]. **action** [KC98]. **Active** [LKC⁺18, VEO16]. **Actively** [PCT⁺17]. **Activity** [GFJ16, KOO18, PR11, SXX⁺06]. **Actor** [RGT⁺14]. **Actor-Oriented** [RGT⁺14]. **acyclic** [LKTD98]. **Adaptable** [CRC15, KKK12, SHN12]. **Adaptation** [LYHL14, MDR15]. **Adapting** [SSO16]. **Adaptive** [BM11, CB17, CIX15, EW18b, JM14, KKH16, LLKY13, SOS15, TZ17, WTR12, WQC⁺16, ZLY⁺15, CCYC14, CR12, CLQ12, DP04, FS13, HCK13, LMB⁺12, LSL⁺13, RL13, RAKK12, SCB01]. **Adaptively** [KLK⁺17, DL11]. **ADC** [EO19]. **ADCs** [HWCL15, PKP⁺03]. **Add** [LWZ⁺19]. **Adders** [KKK12]. **Address** [LP03, SR12]. **addressing** [SSP04]. **adjustable** [KSA⁺10, LLHT12]. **ADL** [MSD06]. **Admission** [DZCD15]. **advanced** [DDFR13]. **Advances** [CO18]. **Affine** [WKL⁺18, BC11]. **after** [XFJ⁺16]. **Against** [DZS⁺18, DFM15, GDTF17, ZLQ15].

AGENTS [dW97]. **Agglomerative** [LLLC13]. **Agglomerative-based** [LLLC13]. **Aging** [FYCT15, GC18, OT15, HTCP13]. **Aging-** [FYCT15]. **Aging-Aware** [OT15]. **Agnostic** [BDBB19]. **ahead** [CSAHR07]. **Airgap** [HS19]. **algebra** [GK07, GK09]. **algebraic** [ARLJH06]. **Algorithm** [DHVW18, GDPRG11, GYT12, HCRK11, HLG⁺15, KLSZ09, KLSZ11, MA16, TZ17, YVC14, ZLG⁺19, BDB98, CD09, CT13, CSL⁺07, CCW08, EK97, GBC07, JHL02, KT96, KL05, LM05, MBB01, MKBS05, MLMM08, MWG97, SCB01, SGJ96, VKKR02, XTW05, YMC⁺13, YWW10, Zho08]. **Algorithmic** [AMO05, KRH18]. **Algorithms** [ACFM12, GMN⁺13, SV16, SZB17, TCP97, Das04, Das09, EMO03, GMSSS02, JLF⁺12, LKM04, LIA00, OWH08, PB14, PW99, TC98, YW09, YCHT00, ZSZ10, ZS02]. **Aligned** [XYG⁺16]. **Allocating** [KAKSP16, YHH09]. **Allocation** [ABC⁺17, BK00, BM11, CET16, CARH18, KK14, KKL15, SCK18, ZYS12, AOC02, CLM⁺10, CL99b, LCK⁺09, SM00]. **Alternative** [KRL15, SYZ08]. **among** [DK08]. **AMS** [CVMP19, DDNAV04, MDM⁺12, MPDG09]. **Analog** [BBEM15, CFD⁺16, DZ18, LHJ12, LCYN18, SHD17, STGR15, SOS15, TZ17, WJYZ11, ZSY18, BC05, DC07, DDNAV04, LON08, LFG⁺09, LCKT12, LTPR⁺13, ST99, SCJ01, WV02]. **Analog/Mixed** [STGR15]. **Analog/Mixed-Signal** [STGR15]. **Analog/RF** [BBEM15]. **Analyses** [BFG17b]. **Analysis** [BS14b, CZW⁺03, CLT⁺15, CB17, CH17, CYH19, CLMZ10, DKZ⁺15, GLY⁺12, HKL⁺15, HHL14, JM14, KM97, KOO18, KC13, LJ18, LV14, MAS16, NSCM17, OM08, PHKW12, Pie16, PEPP06, QBTM16, STWX12, THT12, WL12, XT16, ZFLS11, ZYW⁺18, ZS16, ZKS⁺16, ZBPF18, AC06, APB⁺08, BWB14, BK10, CPR⁺02,

DCK10, Das04, DH06, FZKS11, GM08, GGBZ02, GDG⁺⁰⁸, IBMD07, JB98, JT98, KPR06, KVMH08, LWC07, LCHT02, LON08, LTPR⁺¹³, MDG98, MFS09, MCMW08, NM13, QSK12, RMB10, ST99, VMP⁺⁰⁰, WYC10, YWGI09, ZHM07]. **Analytic** [AMM⁺¹⁸, JP12]. **Analytical** [HHL14, MA16, SV16, XLL⁺¹⁶, GG04, LON08]. **analyzing** [LH13]. **Android** [THC⁺¹⁴]. **Annealing** [VLH04]. **Annotating** [BD05]. **ant** [WGDK07]. **anti** [HTCP13]. **anti-aging** [HTCP13]. **Application** [CYV⁺¹⁴, HKL⁺¹⁵, HCZ⁺¹⁶, LPD⁺¹⁷, LYHL14, LHF12, LF12, MDR15, RCK⁺¹⁵, STJG16, TCL14, VA17a, XLL⁺¹⁶, XT16, YP10, ZYDP08, ZYPC17, CSC08, HLKN07, Hsi00, JCGP05, LM96, MMP00, MP07, SXZV13, WKR09, WSEA99, ZMTC13]. **Application-aware** [ZYDP08]. **Application-Driven** [YP10]. **application-oriented** [Hsi00]. **Application-Specific** [HKL⁺¹⁵, HCZ⁺¹⁶, LPD⁺¹⁷, LHF12, LF12, RCK⁺¹⁵, TCL14, VA17a, CSC08, WKR09]. **Applications** [ACF⁺¹¹, BFV15, ETAV18, EO19, HC17, HAB⁺¹⁷, MLH⁺¹⁷, NTSA18, RS18, SBR⁺¹⁷, SVK17, SESN15, WDZG16, ZLL⁺¹⁶, CCC^{+09a}, DCK09, DCK10, DPNB02, DSH12, DVA02, HG07, KSS⁺⁰⁹, KCA04, KFH⁺⁰⁸, MHD⁺⁰⁴, NT05, PDN97, Ped96, SR12, VCLD03, VMP⁺⁰⁰, WLL⁺¹¹, WG11, ZHM07, ZAZ13]. **Applying** [CHBK15]. **Approach** [DZS⁺¹⁸, FG18, GVJ15, HS19, KRH18, LHF12, LMA⁺¹⁶, LTW⁺¹⁶, MDR15, ORGD⁺¹⁵, Pom18a, SHD17, SGGR14, ADS⁺⁰⁹, BD08, BMJ13, CBHK11, CHHL96, DDNAV04, DVA02, ETR07, GG04, GABP00, KSS⁺⁰⁹, KJKK03, LFG⁺⁰⁹, LCKT12, MSR09, MR96, NR01, SSP04, Vah02]. **approaches** [KTKO13, LCOM07, Tes02, WAZ98]. **approximability** [BCC08]. **Approximate** [NRDB19, PMP17]. **Approximation** [DHVW18, HWCL15, HCS01, YWK⁺⁰³]. **Arbiter** [NSCM17]. **Arbitration** [IHM15]. **Architecting** [SABSA15]. **Architectural** [BRCS18, MA16, MLH⁺¹⁷, APB⁺⁰⁸, CL99b, MSD06, VS12b]. **Architecture** [BMdG17, CIB01, DK16, HLG⁺¹⁵, JP12, LWZ⁺¹⁹, LYL⁺¹⁹, LYLW17, MD13, MSD06, MRL⁺¹⁹, MS17, PCT⁺¹⁷, SSL17, WKL⁺¹⁸, WWCT18, YKCG14, YMB15, YLP⁺¹³, CHY05, GM03, LCOM07, LTPT10, SCCH08, WTL⁺¹³, XZC09, ZYZ⁺¹³, RJL⁺⁰⁹]. **Architecture-aware** [JP12]. **Architecture-level** [CIB01, LTPT10, WTL⁺¹³]. **Architectures** [AMM⁺¹⁸, CPS16, HWX⁺¹⁴, LLK⁺¹⁴, VS12a, ACT13, BD08, Cha01, CKAP07, CCL03, DP04, FS13, FRS97, GBK07, JBC⁺¹⁰, JLF⁺¹², Kan06, KLSP11, LP03, LLKY13, LYCP13, OCRS07, PPDK09, QM12, WH05, ZM07, ZHTC09]. **Area** [EO19, HS18, HCW⁺¹⁶, KKK12, KKLG15, SY07, SS14, TRM⁺¹⁶, TCL14, Yan16, DK08, GS00, HCS01, KL05, KNRK06, LC13, LCL08, MS00, SPMS02, SSP04, XPSE12, ZYZ⁺¹³, ZHTC09]. **area-array** [LC13, LCL08]. **Area-Aware** [HCW⁺¹⁶]. **Area-Efficient** [EO19, SS14]. **Area-I** [Yan16]. **Area-I/O** [Yan16]. **arithmetic** [CCL03]. **ARM** [LLH⁺¹⁷]. **ARM-Based** [LLH⁺¹⁷]. **ARM2** [HV98]. **Array** [CFD⁺¹⁶, KCKG16, SPC⁺¹⁵, AOC02, CZW00, LC13, LCL08, WV02, ZYZ⁺¹³]. **array-based** [CZW00]. **Array-Style** [CFD⁺¹⁶]. **Arrays** [HCW⁺¹⁶, TRM⁺¹⁶, AC06, CH02, CD96, LMB⁺¹², PWY05, WAZ98]. **Ary** [CLH12]. **ASIC** [KLV15, THL⁺¹³]. **ASICs** [PW99]. **ASIPs** [SM00]. **ASP** [YMB15]. **ASP-Based** [YMB15]. **aspects** [AMO05]. **assembled** [BC05]. **assembly** [AMR00]. **assertion** [BZ08, MPDG09, TBZ13]. **assertion-based** [TBZ13]. **assertion-checker** [BZ08]. **Assertions**

[MDM⁺12]. **Assessed** [LLLL18].
Assignment
 [CK16, KLE18, LYCP17, LMS16, SV16, Yan16, Yan17, BDB98, CCX06, CHH09, CPW04, CLYP09, KNDK96, Kuc03, LJV02, LCC11, LT11, VJBC07, WWG08, WLCJ09, XTW05, Yan11]. **Assisted**
 [GFJ16, PTC⁺15, CSL⁺07, MBB01].
Assistive [MVK⁺18]. **Assurance**
 [XLY⁺18]. **Asymmetric**
 [SBR⁺17, RAKK12]. **Asynchronous**
 [PMS15, WWW⁺12]. **At-Speed**
 [PTC⁺15, TPC⁺17, SXZV13]. **ATM**
 [RFYL98]. **ATPG** [HCC01, MT02, SGK08].
Attack [Che18, DDFR13]. **Attacks**
 [DZS⁺18, DHB16, MLH⁺17, ZLQ15, LWK11].
Attestation [CRT19]. **Attributed**
 [PRCK08]. **Authentication**
 [HRK18, MPM⁺17, YFT17]. **Authorization**
 [MPM⁺17]. **Autogenerated** [APD⁺11].
Automata [BZ08, KT01].
Automata-based [BZ08]. **Automated**
 [BPTB17, IE12, KLV15, GWR13].
Automatic [BFV15, CK96, CJLZ11, MS08, SHD17, SRTG19, WKR09, ADS⁺09, KSS⁺09, LFG⁺09, TDE08, WWC04].
automating [HA05, RSR01]. **Automation**
 [CH10a, CPX14, CO18, DZS⁺18, GHYR19, KLSZ09, DTC⁺09, LOC12]. **Automotive**
 [HK18, LZSSV15, LMS16, MPM⁺17, SRTG19, XLY⁺18]. **Autonomous**
 [ML09, STL⁺13]. **Auxiliary**
 [BDC08, CCQ98, Pie16]. **Available**
 [TEK18]. **Average** [ZLW⁺15]. **Averaging**
 [TWL16]. **Avoiding** [HLG⁺15, HGLC16, LLLL18, WSRH16, XPZ⁺18, LYKW09].
award [GK09, QS11]. **Aware**
 [AKAKP18, BDBB19, CMP10, CET16, DZ18, FYCT15, GVJ15, HHK⁺17, HC17, HCW⁺16, KPF16, KW16, LHW⁺17, LLL⁺18, LHK⁺15, LZSSV15, LNG⁺16, LMS16, MT15, OT15, PBZM19, RS18, RCK⁺15, SYX12, TBCH17, WSH⁺18, WLLH16, YYG⁺16, ZYPC17, ADP⁺07, CHH09, CLQ12, DD02, ETR07, FS13, GM08, GKM05, JHL02, JP12, JCS⁺08, KPSW09, KJKK03, LC14, MJM11, MHQ07, MKW08, PPK09, RGM09, SSG12, SBC08, SMYH07, SKS12, SNL12, WH05, WPHL08, WLL⁺11, YYLL09, ZYDP08, ZYP09].
awareness [RL13].

B* [WCC03]. **B*-trees** [WCC03]. **back**
 [CCK⁺18, GABP00]. **back-end** [GABP00].
Backward [BS14b]. **balanced** [LLHT12].
Balancing [MT15]. **Band** [WTR12].
Bandwidth
 [KLK⁺17, BD08, GM03, LLKC13]. **bank**
 [CPW04, Kan06, SM00, Wu09]. **banked**
 [OK08]. **Based**
 [APDC17, ASAP17, AVG19, AAA15, BHK17, BS14a, BD14, CPS16, CCH⁺15a, CLT⁺15, DLC⁺17, ETAV18, EO19, GDTF17, GHYR19, HCL⁺14, HWX⁺14, HLG⁺15, JHMGS18, JPHL16, JM14, KC10, KLK⁺17, KMO⁺12, LLH⁺17, LG18, LS11, LHK⁺15, LLLL18, LH11, LGGJ14, LCC⁺15, LKC⁺18, MCZ⁺16, MA16, MCD12, PSNC18, PG15, Pom17a, Pom18b, QBTM16, RS18, SV16, STGR15, TZ17, VEO16, WCB15, WQC⁺16, WWCT18, WC10, WL12, XS16, XCF18, YMB15, ZS16, ZHC⁺18, AHAKP08, AM10, ADDM⁺13, BLM00, BPRR98, BC11, BBD00, BOC00, BH10, BZ08, CLM⁺10, CNQ13, CGN96, CZW00, CFHM09, CH02, CBR⁺05, CD96, CHY05, CFX09, CM13, CCL04, DP02, DCK09, DDNAV04, DVA02, EMO03, EY12, FS13, GK14, GG99, GPH⁺09, GBC07, GDF09, GPK⁺09, GH00, HCK13, HWCL13, JLF⁺12, KBN09, KK11, KNRK06, KSA⁺10, LC13, LB00, LKM04, LWC07].
based
 [LCC11, LWZ⁺19, LDK99, LCHT02, LOC12, LWK11, LLC13, MP07, MLC08, OM08, OKC08, OK08, PDN00, PRCK08, PMB10, PR09, Pom14b, RL13, RS98, SW04, SGK08, SOC06, SC06, TN99, TBZ13, VKT02, WWC04, WC06, WSEA99, Yan00, Yan08,

YYC09, ZHM07, AA17, PBZM19, CCQ98, CH00, MW97, MHT14, MWG97, PBSV⁺⁰⁶. **basic** [VMP⁺⁰⁰]. **Batch** [LYL⁺¹⁹]. **Battery** [MRL⁺¹⁹, NSS⁺¹⁶, Rak09, SKM⁺¹⁶, CSAHR07, LCZ⁺⁰⁸]. **battery-powered** [CSAHR07]. **Bayesian** [BLR06]. **BDD** [CCQ98, VKT02]. **BDD-based** [CCQ98, VKT02]. **BDDs** [BC16]. **Beam** [LZ17]. **Behavior** [CLMZ10, HXC⁺¹⁸, RGT⁺¹⁴, KRS06]. **Behavior-Level** [CLMZ10]. **Behavioral** [APD⁺¹¹, AA17, CLMZ10, KHP05, Sch17, TN99, WV02, WHRC12, Fuj05, HLKN07, KSS⁺⁰⁹, MRC06, VKR02]. **behaviors** [BG01, KW02]. **benchmark** [PSK08]. **Benchmarking** [JBC⁺¹⁰]. **Benders** [ETAV18]. **best** [GK09, QS11, SSS10]. **between** [Fuj05, YRH11]. **Beyond** [CPX14]. **Biased** [JCK⁺¹⁸]. **biasing** [CFHM09]. **BICS** [RM09, RMB10]. **BIFEST** [LTH99]. **Bifurcation** [HHL14]. **Binary** [SV07, BCR⁺⁰⁸]. **Binding** [CET16, KK14, LHF12, ZLQ15, BD97, CLM⁺¹⁰, CFX09, DS06, HLKN07, MKK13, MJM11, XK97]. **Biochemical** [RCK⁺¹⁵]. **Biochips** [GHYR19, LHC16, LKC⁺¹⁸, MGR⁺¹⁵, RCK⁺¹⁵, SKS⁺¹⁸, SOC06, SC06]. **biomedical** [APB⁺⁰⁸]. **Bipartitioning** [RTNL05, DPNB02]. **bipolar** [ZYZ⁺¹³]. **BIST** [BBEM15, JNS⁺¹⁷, LWC07, PKP⁺⁰³, PGB01, SSGS03]. **Bit** [HHK⁺¹⁷, LYCP13, NdLCR03, RMPJ08, RM09, RMB10, SBH⁺⁰⁶]. **bit-width** [LYCP13, SBH⁺⁰⁶]. **Bits** [SSO16]. **black** [LAS01]. **BLAS** [CCYC14]. **Block** [CCYC14, CCK⁺¹⁸, DK16, ZLG⁺¹⁹, KRS06, LPP00, MHD⁺⁰⁴, MS00, WCC03]. **Block-level** [CCYC14]. **block-processing** [LPP00]. **Blockage** [JD18]. **Blocks** [AFM14, DK08, FLWW02, FLWC07, MHD⁺⁰⁴, MS00]. **BNF** [WWC04]. **BNF-based** [WWC04]. **Board** [MW97]. **Board-level** [MW97]. **Boards** [GDTF17, BPRR98, OW06]. **body** [CFHM09]. **body-biasing** [CFHM09]. **BonnRoute** [GMN⁺¹³]. **Boolean** [PRCK08, BR12, BD97, BC11, CCQ98, GPK⁺⁰⁹, SGJ96]. **Boosting** [CMNQ08]. **borrowing** [LCHT02]. **bottleneck** [NM13]. **Bound** [JLJ15, LC96, LTPR⁺¹³, YWK⁺⁰³]. **Boundary** [Pom19a]. **Boundary-Functional** [Pom19a]. **Bounded** [CKKT98, LLLL18]. **Bounded-skew** [CKKT98]. **bounds** [TC98]. **boxes** [LAS01]. **BoxRouter** [CLYP09]. **branch** [CBHK11]. **branch-and-cut** [CBHK11]. **Breaking** [Che18]. **breakpoint** [KRK98]. **Breakpoints** [KRK98]. **bridges** [LLQ⁺⁰³, EBR⁺⁰⁹]. **bridging** [LTH99, TCP97]. **Broadside** [Pom15a, Pom16a, Pom16c, Pom18b, Pom19a, Pom13, Pom14a, Pom14b]. **BSP** [SYHL14]. **BTI** [GC18]. **BTI-Aging** [GC18]. **bubble** [Yan00]. **bubble-sorting-based** [Yan00]. **Budgeting** [CXH⁺¹⁶, STGR15, HLHT08, LCHT02]. **Budgeting-Based** [STGR15]. **Buffer** [LYLW17, MB04, SAL19, TCL14, WHRC12, CW01, FHHG12, JHL02, LLHT12, LT11, XTW05]. **Buffered** [Yan16, CM08]. **buffering** [KRS06, KC13]. **Buffers** [CK16]. **Buildings** [ZHC⁺¹⁸]. **Built** [EO19, Pom13, SBB⁺¹⁸, WCB15, LTH99]. **Built-In** [EO19, SBB⁺¹⁸, WCB15, Pom13, LTH99]. **bump** [DVA02]. **bump-and-refit** [DVA02]. **Burst** [CHBK15, CIX15]. **Burst-Writes** [CIX15]. **Bus** [GG99, JWL⁺⁰³, LCOM07, LV02, OW06, SCJ01, YW09]. **Bus-based** [GG99]. **Buses** [Yan17, YGZ04]. **Butterfly** [ZYPC17]. **Bypass** [YKCG14].

C [LWC18, RMPJ08]. **C-Mine** [LWC18]. **C-testable** [RMPJ08]. **C2RTL** [ZLL⁺¹⁶]. **Cache** [BFG⁺¹⁹, CPS16, GG04, HWX⁺¹⁴, JZYZ15, JLK15, KLJ14, LYLW17, MACV14, Mit16, NTSA18, SSS⁺¹⁹, SABS15, SAL19, WDL17, YPCF17, Giv06, JS13, LMW99,

LSL⁺13, PDN97, SLXZ12, TKVN07, TY97, VS12b, ZYDP08, NTSA18].

cache-coherence-enabled [LSL⁺13].

Cacheline [PBL⁺17]. **Caches** [CB17, SYX12, CXK⁺13, LSDV10, ZP08].

Caching [WQC⁺16, HCK13]. **CAD** [KLSZ09, KLSZ11, SB98, Vah02].

calculation [RCD07]. **calibration** [PMB10].

Call [Ano13, CH10a, Ped11, KLSZ09].

CALM [ZYPC17]. **Cameras** [YMB15].

CAN [LMS16]. **Cancellation** [LTYW12, FIR⁺97]. **Cap** [HC17].

Capability [EW18b]. **Capacitance** [XLS15]. **capacitive** [LXCH04]. **Capacitor** [HWCL15, HWCL13]. **Capacitors** [SCK18].

Capture [PTC⁺15, XCW12]. **Carbon** [WSH⁺18]. **Carbon-Nanotube** [WSH⁺18].

Care [TPC⁺17]. **cares** [CBMM10, SGK08].

Carlo [GLY⁺12]. **Carrying** [IPWW17].

CASCA [DZS⁺18]. **Cascade** [YYL⁺15].

Case [APDC17, CH17, LLP⁺16]. **Cases** [LWC18, KFH⁺08]. **caused** [SHLL98].

Cayley [CCH15b]. **CCM** [TWL16]. **CDTA** [YFT17]. **Cell** [ACF⁺11, DBK⁺18, JZYZ15, KRL15, TRM⁺16, WC10, XNZ⁺15, JCS⁺08, KBN09, LCZ⁺08, MRB⁺11, MS00, RS03, SSCS10, dW97]. **Cells** [HWGY16, JCK⁺18, SKM⁺16, GH00, TS96].

cellular [KT01]. **Centric** [WGS16, XLNB17, ZHOM08]. **Centroid** [WLLH16, HWCL13]. **Chain** [LHC16, Pom17b, YFT17, YSF⁺18, YFT18, YBS⁺18, GKM05, RMKP03, TYH08, WPHL08].

chained [KC13]. **Chains** [Pom16b].

Challenges [BRCS18, MRL⁺19, XLNB17, Ped11, RBA⁺12]. **Change** [JSA18, LLP⁺16]. **changes** [LG12].

Channel [BDBB19, DZS⁺18, JM14, PPP⁺15, ZBPF18, FLWC07, HSA⁺04, LLKY13, Yan00, YCHT00]. **Channels** [JLJ15, DSKB04]. **Characteristics** [CFD⁺16, JLF⁺12]. **Characterization** [KRL15, SRC15, BW00, JCS⁺08]. **Charge** [VA17b]. **Chassis** [APD⁺11]. **check** [CL13, YCHT00]. **checker** [BZ08].

checkerboard [GC96]. **Checking** [AA17, KW16, AGM01, BK10, CNQ13, Fuj05, HMB98, KMS12, YWGI09].

Chemical [LTW⁺16]. **chief** [Ano13]. **Chip** [ALL17, BHK17, BD14, BDBB19, GSD⁺18, HAB⁺17, HZS⁺19, IHM15, JLJ15, JNS⁺17, JZYZ15, JGM14, KBV⁺15, LDD⁺18, LW17, PGCB16, SCK18, STWX12, SGR14, WLT08, XS16, XCF18, Yan16, YKCG14, ZYS12, ZYPC17, AYM05, APB⁺08, ADS⁺09, BMJ13, Cha01, CKAP07, CSC08, CXK⁺13, CBR⁺05, CCL04, HDL⁺12, JP12, KP13, KYN⁺12, LCOM07, LLKY13, LLKC13, LH13, LC13, MD13, NR03, OM08, PDN00, PPDK09, PTC05, TDE08, Yan11, YLP⁺13, ZSZ10, ZMTC13, ZM07, WLL⁺11, AHL⁺08].

Chip-Multiprocessors [HAB⁺17].

chip-package [LC13]. **Chipless** [YBS⁺18].

Chips [HCZ⁺16, SOS15, HGBH09, VS12a].

choice [SBGD13]. **choose** [DNA⁺12].

ciphers [LWK11]. **circadian** [GS13].

Circuit [BBEM15, BZWZ17, BFL10, CM18, GBR07, GDTF17, HS18, HS19, JK10, LH11, RJBS09, SMYH07, TWL16, WSH⁺18, WKC12, ADM⁺13, AJM13, BDB98, CSC08, CBMM10, CSX⁺05, DL11, GMSSS02, HRP00, LLQ⁺03, OW06, RCD07, SPMS02, YH97, YMC⁺13].

Circuit-Averaging [TWL16].

Circuit-simulated [SMYH07].

circuit-switched [CSC08]. **Circuits** [BJX15, KKS16, LD17, PB12, Pom16b, RGM15, SHD17, WTR12, ZSY18, BLM00, BLR06, BC05, BASB01, CSKR05, CLLK06, CACS05, Che96, CPR⁺02, DC07, DD02, EMO03, HVF⁺01, HH09, HWCL13, KJKK03, KOS09, KVMH08, LH09, LON08, LFG⁺09, LTPR⁺13, NS03, PL98, PSK08, PR98, PR09, RTNL05, SNH02, ST99, WV02, ZCG06, SSCS10]. **Clamp** [VEO16]. **class** [SB98]. **Classification** [MS17, RAKK12].

Classifiers [ALL17]. **cleaning** [JS13].

client [dW97]. **client-server** [dW97]. **CLIP**

[GH00]. **Clock** [EK16, HN07, HYN15, KK14, KK11, KKS16, LLL⁺18, LNG⁺16, LT11, LS17, WCCC14, WKC12, WWW⁺12, BDM⁺99, BDB98, CGN96, CM08, CHH09, CKKT98, GHW⁺12, GWR13, HTCP13, LLHT12, LLLC13, PL98, SSGS03, TDF⁺09, wATkK02]. **Clock-Aware** [LLL⁺18]. **Clock-Gating** [WKC12, BDM⁺99]. **Clock-Tree** [KKS16]. **Clock-Tree-Aware** [LNG⁺16]. **clocked** [BD00]. **Clocking** [BPTB17, MR05]. **Cloning** [JNCS19, Vah99]. **Close** [Pom18b]. **Close-to-Functional** [Pom18b]. **Closed** [CW01]. **closure** [LC14, YYC07]. **Cloud** [BD14]. **Cluster** [DD02, LJV02, SB98, KJR⁺07, LWC07]. **Cluster-aware** [DD02]. **Cluster-cover** [SB98]. **Clustered** [CMP10, GBK07]. **Clustering** [XLL⁺16, CC06, HLCH07, MLMM08, SPMS02]. **clusters** [OWH08]. **CMAPS** [Hsi00]. **CMOS** [ACF⁺11, CFD⁺16, GH00, LTH99, PHKW12, WSS⁺18]. **CMP** [CXK⁺13, WGS16]. **CMPs** [SYX12]. **Co** [CVMP19, Hua01, SKM⁺16, WWFT12]. **Co-Simulation** [SKM⁺16, WWFT12, CVMP19]. **Co-synthesis** [Hua01]. **coarse** [KLSP11]. **coarse-grained** [KLSP11]. **cocurrent** [KI01]. **Code** [AMR00, AM98, CL99a, MLH⁺17, TY97, BH10, DHV⁺00, KMS12, KNDK96, KH10, LP03, LB00, LKTD98, LDK99, OKC08, SR12, SBH⁺06, SM00, VMP⁺00, VLGG01]. **Code-Injection** [MLH⁺17]. **code-motion** [DHV⁺00]. **codes** [RM09, WHXZ13]. **Codesign** [BM11, CMM00, FIR⁺97, GABP00, GGB97, HKL⁺07, SCV06]. **Coefficient** [APDC17]. **Coexistent** [BDBB19]. **Coffeee** [RJL⁺09]. **Cognition** [HXC⁺18]. **Coherence** [HWX⁺14, LSL⁺13, ZYDP08]. **coherency** [VS12b]. **Collection** [GSD⁺18, HCL⁺14, ZLW⁺15]. **Collection-Induced** [GSD⁺18]. **colony** [WGDk07]. **Coloring** [ZLY⁺15, CML98]. **Combinational** [CD96, LD17, EMO03, KT96, KOS09, PR98, RJS09, TN99]. **Combinatorial** [AM05, VLH04]. **Combining** [ETAV18, SPG⁺08]. **CoMETC** [ANR13]. **commercial** [MPDG09]. **Common** [DHB16, LWC18, WLLH16, ZYZ⁺13, HWCL13]. **Common-Centroid** [WLLH16]. **common-centroid-based** [HWCL13]. **Common-source-line** [ZYZ⁺13]. **Communication** [CARH18, KPF16, SRTG19, YP10, ADS⁺09, GBK07, GG99, LCOM07, MOZ06, PPDK09, PBSV⁺06, ZM07]. **Compact** [LJ18, MAS16, WTR12, XCW12, HVF⁺01, YHL07]. **Compacting** [PL03]. **Compaction** [Pom15a, Pom15b, EMO03, MHD⁺04, TBZ13, XLCL13]. **comparative** [MLG12, PB14]. **compatible** [SGK08, WWC04]. **compensation** [CFHM09]. **Compilation** [SBH⁺06, YHL07, KLSP11, MSR09, VLGG01]. **Compile** [KNRK06]. **Compile-time** [KNRK06]. **compiled** [PHM00]. **Compiler** [LPD⁺17, LLHT03, SYHL14, WKL⁺18, XPSE12, BD08, GGDN04, HG07, KRS06, SSG12]. **compiler-directed** [HG07]. **Compiler-in-the-loop** [XPSE12]. **Compilers** [YLL06]. **Compiling** [Edw03]. **Complementary** [QSW⁺15]. **Complementation** [Pom15a]. **Complete** [PDS12, AGM01]. **complete-** [AGM01]. **completeness** [LLYW10]. **Complex** [WTR12, TYH08]. **Complex-Valued** [WTR12]. **Complexity** [ASAP17, LTYW12, WYC10, BCC08, YCCG03]. **Compliance** [HC18, BGM04]. **Component** [LH14, PG15, RSR01]. **Component-Based** [PG15]. **Component-Composition** [LH14]. **Composable** [WTL⁺13, HGBH09]. **Composition** [LH14]. **Compositions** [NSCM17]. **compound** [FLWC07]. **Comprehensive**

[GSFT16, JNS⁺17, YFT17, ZBPF18]. **Compress** [XCW12]. **Compressed** [PBL⁺17]. **Compression** [BLNK14, EK16, BH10, JCS⁺08, LCT03, LDK99, NT05, OKC08]. **CoMPSoC** [HGBH09]. **Computation** [BFG17a, CV17, CARH18, KCKG16, MOZ06, Pom17a, BLM00, GMSSS02, HLCH07, HW00, Kag05, WYIG07, YH97]. **Computational** [BCC08]. **computations** [ARLJH06, LPP00, PGB01]. **compute** [TCP97]. **Computer** [MFHP12, CSL⁺07, MBB01]. **computer-assisted** [CSL⁺07, MBB01]. **Computing** [BMdG17, CDB11, NRDB19, SN10, CLQ12, LC96, NR01]. **Concept** [AM10]. **Concept-based** [AM10]. **Concurrency** [SSG12, Sen11]. **Concurrency-aware** [SSG12]. **Concurrency-oriented** [Sen11]. **Concurrent** [SOC06, Edw03, EY12, HCLC98, LC13, RBA⁺12]. **Conditional** [CLH12, CCH15b, KW02]. **conditions** [HN07, YH97]. **Confidence** [JT98]. **Configurable** [LSPC14, BD08, LCD07, SPG⁺08]. **Configurations** [HABS15, BHS11]. **Conflict** [GSD⁺18]. **Congestion** [RGM15, SYL09, YWK⁺03, LCJ⁺10, RL13]. **Congestion-Free** [RGM15]. **connection** [Yan11]. **connections** [YCCG03]. **conquer** [HPK99, SW12]. **Conscious** [LLP⁺16]. **Consecutive** [Yan17]. **Consideration** [JD18, LYLW17]. **considered** [HN07]. **Considering** [CCK⁺18, GC18, JOH17, WCCC14, KPR06, LH13, LTPR⁺13]. **Consistency** [YP10]. **Consolidated** [HC17]. **Constant** [CHC⁺16, GYT12]. **Constant-Cost** [CHC⁺16]. **Constrained** [LLM01, LLLL18, Yan18, BG01, GOC02, LSDV10, MMP00, NG06, NR01, OKC08, SCB01, WG11, WLCJ09, YWW10, ZHOM08]. **Constraint** [KKK12, MRMP08, RS18, VMP⁺00, YRH11, Das09, PR96, TP08]. **Constraint-Based** [RS18]. **Constraint-driven** [MRMP08]. **Constraints** [DBK⁺18, Kuc03, MN17, Pom16a, Yan17, BD05, CSAHR07, Hua01, QS09, SSP04, wATkK02, VLH98, WWG08, ZAZ13, ZW98]. **Constraints-driven** [Kuc03]. **Constructing** [DSRV02, JYZ15]. **Construction** [EK16, HGLC16, LLLL18, CM08, LH09, LYKW09, Yan08, ZCG06]. **Consumption** [FG18, Kan06, TKVN07]. **Contact** [YLZ⁺17]. **Contact-Hole** [YLZ⁺17]. **Containing** [WWW⁺12, LAS01]. **Content** [HHK⁺17, MLC08]. **Content-Aware** [HHK⁺17]. **content-based** [MLC08]. **Contention** [KLJ14, ZYPC17]. **Contention-Aware** [ZYPC17]. **context** [BDC08, JHL02]. **context-aware** [JHL02]. **context-triggered** [BDC08]. **Contiguous** [KKLG15]. **Control** [AVG19, BDB12, JK10, PCT⁺17, QSW⁺15, ADDM⁺13, BMJ13, CXK⁺13, CR12, FRS97, KSA⁺10, MWG97, OM08, SHLL98, ZAJ⁺12]. **control-dominated** [FRS97, MWG97]. **Controlled** [TRM⁺16, DL11]. **COntroller** [KMR18, SSL17, GF06, HMLL11, LC14]. **Controllers** [LVS16, PDS12, BDM⁺99, Fuj05, NCP01]. **Controlling** [KYL16]. **controls** [YHL07]. **conversion** [ZLL13]. **Converter** [SGGR14, ADS⁺09]. **Converters** [SBB⁺18, TWL16, WGT⁺17, JR97]. **cooling** [ANR13]. **Cooperative** [LHF12]. **cooptimization** [ZLL13]. **Coordinated** [ANR13, GGDN04]. **coprocessor** [GDTG07]. **coprocessors** [SCV06]. **Core** [CYH19, ETAV18, LHLP16, SESN15, WMT⁺16, CCL04, LBV⁺06, RAKK12, SEN05, SZV⁺12, XZC09]. **core-based** [CCL04]. **core-external** [XZC09]. **Cores** [WGS16, GG04, LV02, SSGS03, XZC09]. **CoreSight** [LLH⁺17]. **Corner** [KQP⁺19, MHD⁺04, Meh98]. **correct**

[ADS⁺09]. **Correcting** [PGCB16]. **Correction** [DZ18, RM09, WHXZ13]. **correlated** [SXZV13]. **cosimulation** [FLPP09]. **Cost** [ABC⁺17, CHC⁺16, JPHL16, MHT14, QS09, BPRR98, BWB14, Giv06, HCK13, LG12]. **Cost-Effective** [JPHL16, MHT14]. **cosynthesis** [Hsi00, Wol96]. **Counterfeit** [YFT17]. **Countermeasures** [DZS⁺18]. **Counting** [PB12]. **coupled** [LMB⁺12]. **coupling** [KJKK03, LXCH04, SKCM06]. **coupling-aware** [KJKK03]. **covariance** [KPR06]. **cover** [SB98]. **Coverage** [AKAKP18, CYV⁺14, CM13, IE12, DSH12, FZKS11, GF06, Sen11, SDP⁺09, TCP97, WPHL08]. **Coverage-Directed** [IE12, CM13]. **Coverage-Driven** [CYV⁺14]. **Covering** [BZWZ17]. **CPU** [SEN05, ZBPF18]. **CRA** [LLH⁺17]. **Crash** [WL12]. **Creation** [NRZ⁺18]. **criteria** [CGN96]. **Critical** [AKAKP18, FYCT15, GC18, IGN18, KMR18, LC14, STJG16, ETR07, HKB⁺07]. **Critical-path-aware** [LC14, ETR07]. **Criticality** [BB17, CV17, CYH19, SZB17, ZABGZ17]. **Cross** [XNZ⁺15]. **Cross-Point** [XNZ⁺15]. **crossbar** [THL⁺13]. **crossbar-switch** [THL⁺13]. **crossing** [SW99]. **Crosstalk** [LWH06, HR06, JPCJ06, LCC11, MCMW08, Mut09, ZW98]. **crosstalk-driven** [JPCJ06]. **cryptographic** [DP04]. **Cubes** [CLH12, WC10]. **cuboidal** [WYC10]. **Current** [CH10b, MN17, WLLH16, HLCH07, HCN09]. **Current-Ratio** [WLLH16]. **Custom** [KAKSP16, LW17, LHF12, LF12, TDF⁺09, AMR00, HMVG13, TS96]. **customizable** [MPSJ07]. **customization** [CBMM10, MKK13, MSB⁺09, YLP⁺13]. **cut** [CBHK11]. **Cutting** [LVS16]. **Cyber** [SKM⁺16]. **Cyber-Physical** [SKM⁺16]. **Cyberphysical** [PGCB16]. **Cycle** [LVS16, LS11, Das04, Pom14a]. **Cycle-Level** [LS11]. **cycled** [JSG09]. **Cycles** [KAKSP16]. **Cyclic** [BR12, Che18].

D [GH00, WCB15, ADDM⁺13, CLT⁺15, DLC⁺17, JGM14, KK11, KKHK16, KLE18, LLKC13, LDD⁺18, LHZ⁺06, LHC16, LW17, LS17, OS03, RL13, SYX12, THM15, TMDF10, WYC10, WWCT18, YHH09, ZYS12]. **D-ICs** [LS17]. **D-NoC** [ADDM⁺13]. **D-Stacked** [SYX12]. **daisy** [KC13]. **daisy-chained** [KC13]. **Dark** [HAB⁺17]. **DARP** [CRC15]. **DARP-MP** [CRC15]. **Data** [CPS16, DZCD15, JLK15, KW16, LWC18, NTSA18, PCD⁺01, Pom16c, PAV17, SPC⁺15, SUC01, XCW12, XPZ⁺18, BHW⁺13, BK00, BWB14, BHS11, FWCL05, GFC⁺09, GMN⁺13, GDF09, IBMD07, JCS⁺08, KMS12, KI01, KCA04, LSPC14, LCT03, Meh98, NR03, PDN97, PDN00, PGB01, RMKP03, SM00, VCLD03, YGZ04]. **data-dominant** [VCLD03]. **Data-Driven** [DZCD15]. **data-flow-driven** [KMS12]. **Databases** [HCL⁺14]. **Dataflow** [ASAP17, BMdG17, BFG17b, BFG17a, CH17, HPB11, JOH17, SS14, HKB⁺07, MHF96, MB04]. **Datapath** [JR97, CL99b, GDTG07, MR05, XPSE12]. **datapaths** [Fuj05, GK07, GK09, NCP01]. **DC** [CFD⁺16, SBB⁺18, TWL16, WGT⁺17]. **DC-DC** [WGT⁺17]. **DCM** [TWL16]. **deadlock** [LM05, TDE08]. **deadspace** [SY07]. **Debug** [EW18b, LHL16, HW14]. **Debugging** [Ali12, BHK17, RPKC05]. **Decade** [XFJ⁺16]. **decap** [LCL08]. **decode** [TKVN07]. **decoder** [CCC⁺09a]. **decoders** [KHW06]. **Decomposition** [ETAV18, GBR07, HCW⁺16, KHW06, LZ17, YLZ⁺17, ZLY⁺15, CHHL96, CH00, EMO03, LM96, WSEA99]. **decomposition-based** [EMO03]. **Decompression** [PBL⁺17]. **Decoupling** [SCK18, XLS15]. **deduction** [DP02]. **Deep** [LYL⁺19]. **defect** [ACT13, JT98]. **defect-level** [JT98]. **Defective** [PB12]. **defects** [XLCL13].

Defending [YFT18]. **deficiency** [ZCG06]. **Defined** [JHMGS18]. **Definition** [BC16, Pom15c, ZLG⁺19, CCC⁺09a, VCLD03]. **Deflection** [LLKC13]. **degree** [CT13, TP08]. **Delay** [FYCT15, JLJ15, JK10, JOH17, MCD12, STJG16, XCW12, ZK15, BDB98, CFHM09, GS00, GMSSS02, HR06, KJKK03, LLHT12, MT02, MKW09, PT06, PMB10, PR98, PR96, RCD07, SC00, SSP04, TD03, WVYG99, XLCL13, XPSE12, YH97, YHL⁺11]. **delay-area** [XPSE12]. **delay-sensitivity-based** [PMB10]. **Delivery** [XLS15, ZFLS11, ZLL13]. **Demand** [AAA15, SKS⁺18, WQC⁺16]. **Demand-Based** [WQC⁺16]. **Demand-Driven** [SKS⁺18]. **demonstrable** [JW08, LP07]. **density** [FLWC07, OWH08, ZYP09]. **dependence** [DH06]. **Dependencies** [BR12]. **dependent** [BLM00]. **depth** [CH00, LH09, ZCG06]. **depth-optimal** [CH00]. **depth-size** [LH09]. **derive** [GS00]. **derived** [CACSO5, Zho08]. **Describing** [RHA08]. **description** [MSD06, PHM00, SSG12]. **descriptions** [Fuj05, MWG97]. **Design** [ABC⁺17, AFM14, BJX15, BS14a, BZWZ17, BS14c, CD09, CH10a, CH10b, CPX14, CHC⁺16, CRC15, CO18, DZS⁺18, DHB16, EAP17, GCZ⁺15, GHYR19, HCRK11, HLG⁺15, JWL⁺03, JLK15, KKL15, KLSZ09, KLSZ11, KLV15, KKS16, LLP⁺16, LW17, LF12, LHK⁺15, LZSSV15, OT15, PDS12, Pom14a, Pom16a, Pom18a, RS18, Sch17, SDP⁺09, SGR14, SHN12, SESN15, SYX12, STGR15, TCL14, VA17a, VEO16, WWCT18, WSS⁺18, XLS15, XNZ⁺15, YPCF17, YD16, ZLG⁺19, ZYS12, ACT13, AHL⁺08, APB⁺08, AMM⁺06, ADP⁺07, BC05, BW00, BFP08, BASB01, CWW96, CIB01, CSL⁺07, DRG98, DTC⁺09, EK97, FLWW02, FLWC07, FW00, FRS97, GPH⁺09, GM03, GABP00, HV07, HA05, HJ08, HLCH07, JB98, JP08, KSS⁺09, KG99, KCA04, LC13, LSL⁺13, LFG⁺09, LCL08, MOZ06, MBB01, MP07, MLG12, OCRS07, PB14, Ped96, Ped06, PBSV⁺06, PW99, RFYL98]. **design** [RS98, SW12, SGD10, SYL09, SCS10, SUC01, SS11, SZV⁺12, TW96, THL⁺13, VAAH⁺98, Voe01, WAZ98, WKR09, ZHM07]. **Design-for-Testability** [Pom16a, Pom18a, Pom14a]. **design-specific** [ACT13]. **Designed** [KMO⁺12, SPT⁺17]. **Designer** [SS11]. **Designing** [BLNK14, DZS⁺18, HBC⁺08]. **Designs** [EK16, MACV14, PHKW12, WWW⁺12, YVC14, Yan16, Yan17, ZK15, CH00, GM08, GOC02, HMB98, KI01, KK11, KHW06, LHW97, LCHT02, LLHT12, LAS01, LCKT12, MS00, MR96, RMKP03, Sen11, SCS10, SNL12, WTL⁺13, Yan11, ZMTC13]. **Destination** [RL13]. **Destination-based** [RL13]. **detailed** [CBHK11, PWY05]. **Detection** [CBO⁺18, KOO18, Pom16b, Pom17a, YFT17, ZHC⁺18, CR12, DHZ⁺11, FNP09, KI01, KRK98, KSA⁺10, LM05, PR07, RM09, SCCH08, TDE08]. **Determined** [Pom18a]. **Deterministic** [EY12, KBV⁺15, LB11, KT01]. **detour** [YW09]. **developing** [SMSB05]. **Development** [THT12]. **developments** [Lin97]. **Device** [GHYR19]. **Device-Based** [GHYR19]. **Devices** [Kha12, LKH19, SVK17, JCS⁺08, ZYZ⁺13]. **DFT** [DDFR13, PTC⁺15]. **Diagnosability** [CLH12, CCH15b, CH13, LH14]. **Diagnosing** [BDBB19]. **Diagnosis** [Pom17b, SBB⁺18, CML98, KI01, TYH08]. **Diagnostic** [HVF⁺01]. **diagonal** [DSKB04]. **diagrams** [KC98]. **dictionaries** [LCT03]. **dictionary** [HH09]. **difference** [Das09]. **differentiable** [Con06]. **Differential** [JD18, LLP⁺16, DDFR13]. **differentiated** [WHXZ13]. **Digital** [CM18, DZCD15, LHC16, LKC⁺18, MFHP12, MGR⁺15, PGCB16, RCK⁺15, SKS⁺18, SOS15, CPW04, RS03, SR12, SOC06]. **Digitally** [ZK15]. **Dilution** [GHYR19].

Dimension [BC11]. **Dimension-reducible** [BC11]. **Dimensional** [RGM15, KQP⁺19, YYC07, YYC09]. **Directed** [IE12, QM12, CM13, HLCH07, HG07, LKTD98, MD08]. **Direction** [Yan18]. **Direction-Constrained** [Yan18]. **discharging** [HLCH07]. **Discrete** [HLG⁺15, LGGJ14, MLG12, SV16]. **Disjunctive** [WYIG07]. **disk** [CD09, SLXZ12]. **Dispatching** [WHRC12]. **Displacement** [BFG⁺19]. **Distance** [HRK18]. **distinguishability** [AGM01]. **Distributed** [EAP17, HXC⁺18, MVK⁺18, SCK18, YMB15, CFX09, LC14, PEPP06, Wol96, dW97]. **Distribution** [JCK⁺18, SSO16, KSA⁺10, SW99]. **Distributions** [KYL16, STJG16]. **Disturbance** [SBB⁺18]. **Disturbance-Free** [SBB⁺18]. **Divide** [SW12, HPK99]. **divide-and-conquer** [HPK99]. **Divided** [TMDF10]. **DME** [wATkK02]. **DNUCA** [DK16]. **domain** [FWCL05, IAI⁺09, JBC⁺10, LTPR⁺13, SCV06]. **domain-specific** [SCV06]. **Domains** [WWW⁺12, LBV⁺06]. **dominant** [VCLD03]. **dominated** [FRS97, KI01, MWG97]. **domino** [KJKK03, ZS02, CLLK06, NTSA18]. **Don't** [TPC⁺17, CBMM10, SGK08]. **don't-cares** [CBMM10, SGK08]. **Double** [XYG⁺16]. **DPRTM** [ADDM⁺13]. **DRAM** [BLNK14, LYLW17, LMA⁺16, SSS⁺19, SAL19, ZZCY17]. **DRAM/PCM** [BLNK14, LYLW17]. **DRDU** [IBMD07]. **DReAM** [LMA⁺16]. **Drive** [CCS15, VA17b]. **Driven** [AMM⁺18, CYV⁺14, DKT⁺16, DZCD15, EAP17, HWGY16, HWCL15, LVS16, LHJ12, LNG⁺16, SKS⁺18, Yan16, YP10, ZFLS11, ZSY18, CSAHR07, CZW00, DRG98, EK97, GK14, HW00, JPCJ06, KMS12, Kuc03, KSA⁺10, LOC12, MPSJ07, MD08, MRMP08, WY06, WLC02, XK97, Yan08, ZSZ10, MSD06]. **drives** [CCYC14]. **Droplet** [LKC⁺18]. **DSA** [YLZ⁺17]. **DSP** [AFM14, CL99a, LP03, SXX⁺06, SESN15]. **DSPs** [AM98]. **Dual** [BLNK14, BPTB17, HS18, KKS16, CT13, HLHT08, MLMM08, SM00, WGDK07, WYC10]. **Dual-Edge** [BPTB17]. **Dual-Edge-Triggered** [HS18]. **Dual-Mode** [KKS16]. **Dual-Phase** [BLNK14]. **dual-scanline** [CT13]. **dual-Vdd** [HLHT08]. **duplication** [CC06, WY06]. **During** [TPC⁺17, EW18b, HR06, MRC06, PTC⁺15, RGM09, XPSE12, YWK⁺03, YWW10, ZMTC13]. **duty** [JSG09]. **duty-cycled** [JSG09]. **DVFS** [CXK⁺13]. **Dynamic** [ADDM⁺13, BMJ13, BHS11, HKL⁺15, HRP00, IAI⁺09, LHW⁺17, LV14, MDR15, ORGD⁺15, PBL⁺17, SV11, WMT⁺16, WGS16, AHAKP08, ADM⁺13, AMM⁺06, BLR06, CMNQ08, GK14, GPH⁺09, KJT04, KSA⁺10, LTPT10, LLHT12, MR05, VJBC07, KMR18]. **Dynamically** [CRC15, JPHL16, Pom18a, ARLJH06, WLC02, YLL09]. **dynamics** [WHXZ13]. **DYNASCORE** [KMR18].

E-Beam [LZ17]. **Early** [PBL⁺17, SZB17, MKBS05, SYL09]. **Early-Release** [SZB17]. **Easy** [VS12a]. **EBL** [YYG⁺16]. **ECC** [KRH18]. **ECDSA** [DHB16]. **ECG** [APB⁺08]. **echo** [FIR⁺97]. **ECO** [DVA02, LG12]. **ECR** [LTYW12]. **EDA** [JHMGS18]. **EDF** [GDG⁺08, SZB17, WDZG16]. **Edge** [BPTB17, HS18, RS98]. **edge-based** [RS98]. **editor** [Ano13]. **editor-in-chief** [Ano13]. **Editorial** [CH10b, CPX14, Dut05, Dut06, Dut07, Dut08c, Dut08a, Dut08b, Irw00, MD13, Ped08, TK18, SJ02, Mar00]. **Effect** [LHW⁺17, NSS⁺16, WCCC14, WSH⁺18, WSRH16, LTH99]. **Effective** [DS06, JPHL16, LCJ⁺10, LTW⁺16, LCL08, PCT⁺17, XLY⁺18, YVC14, YLZ⁺17, LPP00, LSPC14, MHT14, SBC08, WSV⁺14, XLCL13]. **effectiveness** [WAZ98]. **Effects** [BDB98, BFL10, GC18, MRB⁺11, RJBS09].

Efficiency

[KKLG15, LWC18, TCL14, KJT04, ZAZ13].

Efficient[AKAKP18, BS14a, BHDS09, BW00, CYV⁺14, DMR10, EO19, GFJ16, HMB98, HAB⁺17, HKB⁺07, HCS01, HG07, HWX⁺14, JLK15, KBN09, KC10, KW02, LHLP16, LJ18, LDD⁺18, LHZ⁺06, LWZ⁺19, LF12, LHCT05, LM96, LB11, NTSA18, PMP17, RM09, RGM15, SV16, SPC⁺15, SPMS02, SS14, SRC15, TLCF16, WKL⁺18, WJY⁺07, WWFT12, YPCF17, YCHT00, YP10, ZYW⁺18, ZLG⁺19, ARLJH06, CD09, Das09, FNP09, GM03, GBC07, IBMD07, JS13, JP08, KL05, LCD07, LH13, MR96, MR05, MP07, MWG97, SGD10, SLXZ12, SHN12, SZV⁺12, VKKR02, Wu09, ZSZ10, ZYZ⁺13, Zho08].**Efficiently** [RCG⁺08, TY19, ADM⁺13]. **Eh**[DKT⁺16, DBK⁺18]. **Elastic**[LYL⁺19, SZB17]. **Electric** [VA17b].**Electron** [HCW⁺16]. **Electronic**[CH10a, KLSZ09, HV07]. **Electronics**[CPX14, CH10a]. **Electrostatics** [LCC⁺15].**Electrostatics-Based** [LCC⁺15]. **Element**[CLT⁺15, ZK15]. **elements** [HMVG13].**eliminate** [Mut09]. **Eliminating** [SHLL98].**Elimination** [LHF12]. **Elite** [ZKS⁺16].**Embedded** [BmG17, BD14, BS14c, BM11, DFM15, EAP17, HCL⁺14, IGN18, KC10, LL15, LHLP16, LHK⁺15, NSH⁺16, PG15, SPT⁺17, SL18, WHRC12, XPZ⁺18, YP10, AM10, BPRR98, BH10, CSAHR07, CMM00, CSL⁺07, CM13, DCK07, DCK09, DRG98, GDTG07, GPH⁺09, GG04, GABP00, HKL⁺07, HV07, HCK13, IAI⁺09, JS13, KNDK96, LJV02, LCZ⁺08, LSDV10, LB00, LMW99, LDK99, MBB01, MDG98, ML09, NG06, NR03, PDN97, PDN00, PCD⁺01, PHM00, PEPP06, QS09, RSR01, SR12, SUC01, TKVN07, WAZ98, Wo196, XZC09, ZYDP08, ZP08]. **Embedding** [CM18].**Emerging** [BRCS18, SN10, YPCF17, BC08].**Employing** [GS13, ZK15]. **emulated**[THC⁺14]. **emulation**[ADP⁺07, HMVG13, KRK98, MW97].**Enabled** [YSF⁺18, LSL⁺13, YFT18].**Enabling** [JS13, ZHOM08]. **Encoder**[QSW⁺15]. **Encoding** [MDR15, OT15, PMP17, YMB15, ZLG⁺19, KJT04, LCD07, LWC07, NT05, RTNL05, YGZ04].**Encryption** [Che18]. **end** [GABP00].**Endurance** [CHC⁺16, CCK⁺18, HHK⁺17].**Energy** [BFL10, DMR10, GFJ16, HXC⁺18, JPHL16, KC10, LDD⁺18, LF12, LWC18, LMA⁺16, MR05, NTSA18, PMP17, SPC⁺15, TLCF16, TBCH17, WH05, WKL⁺18, XPZ⁺18, YPCF17, YP10, ZHTC09, ANR13, CSAHR07, CLQ12, GBC07, HG07, HW00, JS13, JCS⁺08, KSK⁺05, KRS06, Kan06, KC13, KJR⁺07, LSL⁺13, LC07, MRC06, OK08, SLXZ12, SHN12, WLL⁺11, Wu09, ZAZ13]. **Energy-** [YP10]. **Energy-Aware** [TBCH17, WH05, JCS⁺08]. **Energy-Efficient** [DMR10, GFJ16, KC10, LDD⁺18, LF12, NTSA18, PMP17, SPC⁺15, TLCF16, WKL⁺18, YPCF17, MR05, SLXZ12, SHN12, Wu09].**energy/thermal/cooling** [ANR13].**Engine**[LLL⁺18, TMDF10, CNQ13, DP02, DP04].**Engineering**[CM18, EAP17, GDTF17, WSS⁺18].**Engines** [HKL⁺15]. **Enhance**[DLC⁺17, GS13]. **Enhanced** [CYH19,

LKH19, Pom15a, TWL16, FWCL05].

enhancement [HWCL13, LCKT12].**Enhancements** [Che18, ZAZ13].**Enhancing** [CCK⁺18, NRDB19, PPP⁺15].**Enlarged** [ZS16]. **Ensemble** [WB16].**Enterprise** [DKZ⁺15]. **entries** [LCT03].**enumerative** [STJG16]. **Environment**[RHN00, HKL⁺07, Hsi01, SCV06].**Environmentally** [YBS⁺18]. **EPGAs**[YTHC97]. **EPIC** [AMR00]. **ePlace**[LCC⁺15]. **Equipment** [GCL⁺16].**Equivalence** [AA17, Fuj05, AGM01,HMB98, HCC01, KMS12]. **equivalent**[MCMW08]. **Era** [HAB⁺17]. **ERfair**

[NSH⁺16]. **Error**
 [LTYW12, LD17, LWC18, PB12, PHKW12, PGCB16, TLCF16, KI01, KSA⁺10, RM09, SCCH08, VAAH⁺98, WHXZ13].
Error-Correcting [PGCB16]. **Errors**
 [DFM15, RJBS09]. **Escape**
 [JD18, Yan17, Yan18]. **ESL** [KSS⁺09].
Establishing [GSFT16]. **establishment**
 [AJM13]. **Estimate** [LMA⁺16]. **estimates**
 [GS00]. **Estimating** [Meh98]. **Estimation**
 [APDC17, APS18, BZWZ17, LD17, PB12, SNH02, TC98, ZLG⁺19, CIB01, DTC⁺09, FLPP09, HKV⁺07, JT98, KCA04, KNRK06, LMW99, MHF96, ZSZ10]. **estimators**
 [XK97]. **evaluating** [JBC⁺10]. **Evaluation**
 [BBEM15, EBR⁺09, GQW19, HBPW14, QBTM16, CHY05, JLF⁺12, LCOM07, PB14, SGJ96, WSV⁺14]. **Event** [KRL15, MCD12, RCD07, YH97, ZKS⁺16, CBR⁺05, HW00].
event-based [CBR⁺05]. **event-driven**
 [HW00]. **Evolution** [PSK08]. **EWD**
 [MPSJ07]. **Exact**
 [EKS⁺14, Sch17, FLWC07, FNMS01, NR01].
Excitation [SOS15]. **exclusive** [DK08].
Execution [APDC17, NRDB19]. **EXFI**
 [BPRR98]. **exhaustive** [CMB07].
Expansion [MS17]. **experiment** [FIR⁺97].
Experimental [Das04, AYM05].
Experiments [LHK⁺15, BCC08, CIB01].
Experts [TEK18]. **Explaining** [YYL⁺15].
explicit [EK97]. **exploitation** [GFC⁺09].
Exploiting [GSD⁺18, JLK15, OT15, WKC12, WHXZ13, DSRV02, FW00, Kan06].
Exploration [LLLL18, MA16, RS18, Sch17, APB⁺08, CSL⁺07, EK97, JP08, KSS⁺09, LCOM07, MBB01, MSD06, PB14, PPDK09, RJL⁺09, SW12, SUC01, VCLD03, XPSE12].
Exploring [TLCF16, WGDK07, YPCF17].
Exponential [APS18]. **Express** [JSA18].
expressions [SGJ96]. **Extended**
 [WWFT12, CK96, YTHC97]. **Extensibility**
 [SGC⁺14]. **Extensible** [KAKSP16, MP07].
Extension [LF12]. **extensions** [WKR09].
extensive [CBMM10]. **External**
 [KG09, CBMM10, XZC09]. **Extra**
 [CVMP19, KAKSP16]. **Extra-Functional**
 [CVMP19]. **Extreme** [Pom15b].
fabric [MSB⁺09]. **fabrication** [WLT08].
factorization [BOC00]. **Factory** [DZCD15].
FACTS [VMP⁺00]. **Fail** [PAV17, BWB14].
Failure [XNZ⁺15]. **Failures** [YYL⁺15].
False [AKAKP18, GGBZ02, SHLL98].
False-noise [GGBZ02]. **family** [BD05]. **fan**
 [LH09]. **fan-out** [LH09]. **Fast** [CPW04, DK16, GLY⁺12, HGLC16, IHM15, JZYZ15, KKL15, LH11, SGD10, STWX12, Tes02, TZ17, CCW08, GMN⁺13, GBC07, JHL02, KT96, LC14, LCKT12, NR01, SBGD13, SGJ96, YTHC97, LCC⁺15, OS03, QSK12].
fastest [Das04]. **Fault** [CYH19, EKS⁺14, GVJ15, LW17, XCF18, YYL⁺15, BPRR98, BH03, CEB06, DNA⁺12, HH09, JLF⁺12, LTH99, LLQ⁺03, SC06, TCP97, TD03].
Fault-Aware [GVJ15]. **Fault-Tolerant**
 [CYH19, LW17, XCF18, SC06]. **Faults**
 [BDBB19, MCD12, Pom17b, Pom19b, HVF⁺01, LTH99, LIA00, MT02, PT06, PR98, PR09, TYH08, XZC09]. **Faulty**
 [JCK⁺18]. **featuring** [EK97]. **feedback**
 [LWK11]. **fetches** [KTKO13]. **FFT**
 [TMDF10]. **FH** [HGLC16]. **FH-OAOS**
 [HGLC16]. **Field**
 [WSH⁺18, CH02, CD96, PWY05, WV02].
field-programmable [CH02, PWY05].
FIFO [BK00, ZLL⁺16]. **File**
 [TLCF16, CFX09, GF10, ZYP09]. **Files**
 [WKL⁺18]. **Fill** [LTW⁺16, LIA00]. **Filling**
 [TPC⁺17]. **Filter**
 [EO19, PCT⁺17, FS13, TKVN07]. **filtering**
 [CL13, ZYDP08]. **finding** [KL05]. **Fine**
 [LG18]. **Fine-Grain** [LG18]. **FinFET**
 [WLLH16]. **Finite** [CLT⁺15, SRC15, CK96, CHHL96, GK07, GK09].
Finite-Element-Based [CLT⁺15].
Finite-Point [SRC15]. **Firmware**
 [KC10, RGT⁺14]. **first** [MR96].
first-time-right [MR96]. **Fixed** [ALL17,

WDZG16, AM98, CPW04, LCT03, MHQ07]. **fixed-length** [LCT03]. **Fixed-Point** [ALL17, AM98, CPW04]. **Fixed-Priority** [WDZG16, MHQ07]. **Flash** [CCK⁺18, HCL⁺14, KC10, PPP⁺15, WQC⁺16, WL12, ZLW⁺15, HCK13, JCS⁺08, Wu09]. **Flash-Based** [HCL⁺14, KC10]. **flash-memory** [Wu09]. **Flattened** [ZYPC17]. **Flexible** [BHK17, IGN18, LKC⁺18, RS18, CL99b, MS00]. **FlexRay** [SGC⁺14]. **Flip** [HS18, KMO⁺12, XCW12, Yan16, KOS09, KSA⁺10, LLLC13, Yan11, ZMTC13]. **Flip-Chip** [Yan16, Yan11, ZMTC13]. **Flip-Flop** [KMO⁺12, XCW12, LLLC13]. **Flip-Flops** [HS18, KOS09, KSA⁺10]. **Floating** [BS14a, SKCM06, WG11]. **floating-point** [WG11]. **Floorplan** [KQP⁺19, YVC14, YCCG03, HCS01, LCL08, MRMP08, SY07]. **Floorplan-Guided** [YVC14]. **Floorplanning** [HCRK11, HCZ⁺16, KLE18, HMLL11, LHZ⁺06, LCC11, LLM01, SYZ08, WLCJ09, YYC07, YYC09]. **floorplanning-based** [LCC11]. **floorplans** [DSK01, MSKBD07, MS00, WYC10]. **Flop** [KMO⁺12, XCW12, LLLC13]. **Flops** [HS18, KOS09, KSA⁺10]. **Flow** [HMO⁺14, IGN18, KW16, PDS12, QSW⁺15, RJ14, BFP08, DTC⁺09, GDF09, KMS12, LC13, OM08, WC06]. **Flows** [JLJ15]. **Fluid** [GHYR19]. **Fluids** [RCK⁺15]. **FOLD** [Pom15b]. **Folded** [AFM14, HS18]. **Folding** [Pom15b, BHS11, TS96]. **footprint** [AMM⁺06]. **Forced** [RSR01]. **form** [CW01, PR09]. **Formal** [Ali12, BGM04, EW18a, KMS12, KG99, SSS⁺19, SGGR14, VS12a, ADS⁺09, CMM00, MR96, RFYL98, SMSB05, VS12b, Zho08]. **Formally** [KRH18]. **formats** [AMR00]. **Forming** [PR07]. **FORTIS** [GSFT16]. **Forward** [GSFT16, GS00]. **Four** [HGCL16]. **Four-Step** [HGCL16]. **Fourier** [LCC⁺15]. **FPGA** [AMM⁺18, ACT13, BS14c, BHS11, CWW96, CZW⁺03, CH00, DP02, EW18b, FW00, GPK⁺09, GVJ15, HABS15, HLHT08, HW14, JLF⁺12, KT96, KL05, KFH⁺08, LKM04, LLL⁺18, MW97, MA16, MP07, PL98, PSNC18, TW96, ZLQ15, ZHTC09]. **FPGA-based** [MW97, PSNC18, DP02, GPK⁺09]. **FPGA/FPIC** [CZW⁺03]. **FPGAs** [CZW00, CEB06, CHY05, DVA02, GDG⁺08, KNRK06, LB11, MCZ⁺16, MLMM08, SPMS02, Tes02, VKT02, WG11, WLC02, WSEA99, YGH⁺10, YYLL09]. **FPIC** [CZW⁺03]. **Framework** [DK16, GDTF17, JPHL16, LL15, SKM⁺16, THT12, WWFT12, YP10, ZLL⁺16, ADP⁺07, HR06, HV07, KKJ⁺08, KH10, MPSJ07, MP07, RPKC05, SB98, SBH⁺06, SS11, ZM07]. **Free** [RGM15, SBB⁺18, BLR06]. **frequencies** [PL03]. **Frequency** [GC18, JPHL16, WTR12, WGS16, GM08, JDT⁺08, LTPR⁺13, ML09]. **frequency-** [LTPR⁺13]. **Frequent** [YGZ04]. **FSM** [AGM01]. **FSMs** [CK16]. **fuel** [LCZ⁺08]. **fuel-cell-battery** [LCZ⁺08]. **Full** [STWX12, HDL⁺12]. **Full-Chip** [STWX12]. **fully** [FW00]. **Functional** [CVMP19, DCK07, FRS97, PR98, Pom15b, Pom15c, Pom16a, Pom16c, Pom18a, Pom18b, Pom19a, VLH98, WSEA99, XLY⁺18, CMB07, CK96, LOC12, MT02, Pom13, Pom14b, Vah99]. **Functionality** [BFV15, HLCH07]. **functionality-directed** [HLCH07]. **functions** [BC11, CCQ98, TW96]. **Fundamental** [XLNB17, Voe01]. **FUNI** [LIA00]. **Future** [HAB⁺17, KBV⁺15, ZZCY17]. **FuzzRoute** [RGM15]. **GALS** [SS11]. **GALS-Designer** [SS11]. **game** [HR06, RJL⁺09]. **game-theoretic** [HR06]. **Garbage** [GSD⁺18, HCL⁺14, ZLW⁺15]. **Gate** [CDB11, Che96, HMO⁺14, KKS16, LGGJ14, SV16, SRC15, CCW08, CH02, CD96, CH00,

HH09, LG12, LLYW10, PWY05, RGM09, SC00, WY06]. **Gate-Level** [CDB11, HMO⁺14, Che96]. **gated** [CM08]. **Gates** [WSS⁺18, KOS09]. **Gateway** [HXC⁺18, JSG09]. **Gating** [CMP10, CLMZ10, KKHK16, WKC12, XLS15, BDM⁺99, ETR07, HTCP13, KBN09, SSCS10, YHL07]. **Gaussian** [ZYW⁺18]. **GBDD** [YTHC97]. **General** [CH02, wATkK02]. **Generalized** [Pom15c, DS06]. **Generated** [CCH15b]. **Generating** [MFS09, MN17, KT01]. **Generation** [BKW15, BFV15, CYV⁺14, IE12, LCY12, LV14, LCYN18, MFHP12, MCD12, PCT⁺17, Pom17a, Pom17b, Pom18b, SHD17, STJG16, SOS15, WWW⁺12, YLZ⁺17, YD16, AM98, CK96, Che96, CL99a, CCW08, GF06, HRP00, KKMB02, KJR⁺07, KNDK96, KH10, LTH99, LP03, LKTD98, MMP00, MSD06, MD08, PR98, PR07, Pom13, QM12, SR12, SNL12, SM00, TBZ13, VMP⁺00, dW97]. **generator** [BCR⁺08, WWC04]. **generic** [FLWW02, FLWC07]. **Genetic** [MA16]. **Genetic-Algorithm-Based** [MA16]. **Geometric** [CM18, WJYZ11]. **geometry** [JCGP05]. **Global** [AOC02, BM11, RGM15, WSH⁺18, CLYP09, DHV⁺00, SPA⁺03, ZHTC09]. **Global/Local** [BM11]. **Globally** [PMS15]. **GMDF** [FIR⁺97]. **good** [GMN⁺13, YWK⁺03]. **GP** [APS18]. **GPGPU** [SBR⁺17]. **GPGPUs** [HIW15, TLCF16]. **GPlace3.0** [AMM⁺18]. **GPU** [CDB11, HCRK11, LLK⁺14, LH11]. **GPU-Based** [LH11]. **GPUs** [SABSA15, TY19, WKL⁺18, ZWD11]. **Gradient** [SV16, GBC07]. **gradient-based** [GBC07]. **grading** [PT06]. **Grain** [LG18]. **grained** [KLSP11]. **Grammar** [JHMGS18]. **Graph** [CH17, JHMGS18, JOH17, LB00, SS14, WYC10, WC06]. **Graph-based** [LB00]. **Graph-Grammar-Based** [JHMGS18]. **graphene** [YMC⁺13]. **graphical** [BLR06]. **Graphs** [ASAP17, BFG17b, CM18, CCH15b, HPB11, LH14, CH13, DSK01, HKB⁺07, LKTD98, MHF96]. **Gravity** [OS03]. **Grid** [HXC⁺18, MN17, SCK18, ZS16, MFS09]. **gridless** [LCC11]. **Grids** [BS14b]. **GRIP** [JHMGS18]. **Ground** [LHJ12, YHH09]. **Grouping** [XCW12, KSA⁺10]. **Guarantee** [MN17]. **Guaranteed** [PMS15]. **Guest** [CH10b, Mar00, SJ02]. **Guidance** [ZKS⁺16]. **Guided** [YVC14]. **Guiding** [EW18a]. **Hamming** [HRK18]. **Handling** [DH06]. **Hard** [CHBK15, WDZG16, PW99, QS09]. **hard/soft** [QS09]. **Hardened** [BS14c]. **hardness** [WYC10]. **Hardware** [BS14a, BM11, CMM00, DZS⁺18, GFJ16, GQW19, IPWW17, KTKO13, LG18, LHF12, LF12, MFHP12, MRL⁺19, TY19, XFJ⁺16, YSF⁺18, YGH⁺10, ZLG⁺19, AMO05, BHDS09, BGM04, FNP09, GGB97, GPK⁺09, HKL⁺07, HBC⁺08, JW08, KSK⁺05, KG99, LP07, LVL03, MSB⁺09, MLC08, ML09, RHA08, SSG12]. **hardware-accelerated** [MLC08]. **Hardware-Assisted** [GFJ16]. **Hardware-Based** [BS14a]. **Hardware-Efficient** [ZLG⁺19]. **Hardware-Enabled** [YSF⁺18]. **Hardware-Software** [BM11, GGB97, HKL⁺07, LVL03]. **Hardware/Software** [LHF12, CMM00, KTKO13, YGH⁺10, AMO05, ML09]. **Harvesting** [SAL19, XPZ⁺18]. **hash** [YTHC97]. **Hashing** [JCK⁺18]. **hazards** [HA05]. **Heaps** [KLK⁺17]. **heartbeat** [DHZ⁺11]. **heartbeat-detection** [DHZ⁺11]. **Heterogeneous** [ETAV18, RS18, SPT⁺17, SVK17, SSL17, SAL19, TBCH17, BWB14, CL99a, HV07, KJR⁺07, LLKY13, PTC05, QS09, SCB01, SKS12]. **Heterogeneously** [ZP08]. **Heuristic** [AKAKP18, HGLC16, CLM⁺10, LCKT12, OCRS07, SBGD13]. **heuristics** [TN99]. **Hierarchical**

[CV17, LMB⁺12, LJ18, MSKBD07, TZ17, WMT⁺16, XT16, BG01, HKV⁺07, VKKR02, ZM07]. **hierarchy** [FW00]. **High** [AKAKP18, Ali12, CET16, CK16, DKT⁺16, DBK⁺18, DLC⁺17, GHW⁺12, HIW15, JD00, LLL⁺18, LYKW09, MACV14, PTC05, RJ14, Sch17, SS14, VAAH⁺98, WMT⁺16, ZYW⁺18, ZLG⁺19, ACT13, AYM05, BHW⁺13, BD00, CCC⁺09a, GDTG07, GF06, GGDN04, GWR13, HJ08, JP08, KW02, KJT04, LJV02, LC14, Lin97, LFG⁺09, MKBS05, MJM11, MLMM08, NS03, OW06, OWH08, PB14, RFYL98, SW12, SLXZ12, TC98, VKKR02, XK97, YWW10]. **high-density** [OWH08]. **High-Level** [CET16, RJ14, Sch17, SS14, JD00, PTC05, VAAH⁺98, AYM05, BD00, GGDN04, HJ08, JP08, KW02, LC14, Lin97, MKBS05, MJM11, MLMM08, PB14, RFYL98, SW12, TC98, VKKR02, XK97, YWW10]. **High-Performance** [DKT⁺16, DLC⁺17, LLL⁺18, WMT⁺16, GHW⁺12, LYKW09, GDTG07, GWR13, LJV02, LFG⁺09, NS03, SLXZ12]. **high-quality** [BHW⁺13]. **high-speed** [OW06]. **High-Throughput** [HIW15]. **Higher** [BS14a, XPSE12]. **History** [JM14]. **History-Based** [JM14]. **Hits** [SAL19]. **Hmap** [YTHC97]. **HMP** [SPT⁺17]. **hold** [KSA⁺10]. **hold-driven** [KSA⁺10]. **holding** [Pom14a]. **Hole** [YLZ⁺17]. **Holistic** [RGT⁺14]. **HoPE** [PBL⁺17]. **Hot** [PBL⁺17]. **Hot-Cacheline** [PBL⁺17]. **Huffman** [BH10, NT05]. **Huffman-based** [BH10]. **huge** [HCK13]. **huge-scale** [HCK13]. **HW** [ADP⁺07, FLPP09, WWFT12]. **HW-SW** [ADP⁺07]. **HW/SW** [FLPP09, WWFT12]. **Hybrid** [BLNK14, GCL⁺16, KKK12, LZ17, LYLW17, LV14, LGGJ14, MACV14, SLXZ12, WSS⁺18, CLYP09, KT01, KKMB02, LCZ⁺08]. **Hypercube** [TMDF10]. **I/O** [LC13, Wu09, Yan16]. **IC** [ABC⁺17, EK97, KK11, KKHK16, LCJ⁺10, Ped96, WCB15, WSS⁺18, ZLL13]. **IC/MCM** [EK97]. **ICOS** [HCLC98]. **ICs** [CM18, CLT⁺15, GSFT16, LHJ12, LS17, THM15, WWCT18, YHH09]. **IDDQ** [TCP97]. **identification** [DNA⁺12, JDT⁺08]. **identify** [LIA00]. **Idle** [LC07]. **Idleness** [GSD⁺18]. **IDs** [SOS15]. **II** [JW08]. **ILA** [HZZ⁺19]. **illegal** [LIA00]. **ILP** [GBK07, MRC06, MWG97, OCRS07, OK08, SR12]. **ILP-based** [MWG97, OK08]. **image** [WYIG07]. **Impact** [GBK07, MDR15, TY19, XNZ⁺15, KTKO13]. **implement** [ADM⁺13]. **Implementation** [ALL17, HCRK11, JM14, KKLP15, MAS16, ORGD⁺15, ZABGZ17, CD09, JWL⁺03, KYN⁺12]. **Implementing** [HKL⁺15, KBA08]. **implication** [WC06]. **implications** [BLM00, DNA⁺12, GGBZ02, ZLL13]. **Implicit** [PT06]. **imprecise** [PKP⁺03]. **Improve** [KKLG15, Pom19b, WHXZ13]. **Improved** [HWGY16, KKLP15, LWC18, Giv06, LV02, PDN97, Vah99]. **Improvement** [JGM14, KMO⁺12, THM15, DD02]. **Improvements** [KAKSP16, VLH98]. **Improving** [CL13, CHC⁺16, KRS06, KYL16, RAKK12, WDL17, WSH⁺18]. **In-Cache** [BFG⁺19]. **In-network** [CXK⁺13]. **In-Order** [ZBPF18]. **in-place** [KCKG13, YWW10]. **In-Scratchpad** [DFM15]. **In-Situ** [SL18]. **Incomplete** [Pom19b]. **Inconsistency** [XPZ⁺18]. **Increase** [KMR18]. **Increasing** [HW14]. **Incremental** [BS14b, EO19, HKV⁺07, LYCP17, LNG⁺16, SGGR14, DVA02, LG12, LLM01, SMSB05]. **Independent** [Pom16b, VEO16]. **Index** [BC16, HCL⁺14, HCK13]. **index-based** [HCK13]. **Index-Resilient** [BC16]. **indexed** [AC06]. **indexing** [Giv06]. **indices** [LCT03]. **indirectly** [AC06]. **Indoor**

[MVK⁺18]. **Induced** [CIX15, GSD⁺18]. **Inductive** [IPWW17, HMLL11, LXCH04]. **Information** [HMO⁺14, ZBPF18]. **Informative** [TEK18]. **Initializability** [CPR⁺02]. **Initialization** [WL12]. **Injection** [MLH⁺17, BPRR98]. **Input** [JK10, LV14, Pom16a, Pom16c, SRC15, BD05, BH03, CCW08, KM97]. **Inputs** [Pom18a]. **Insertion** [HS19, LTW⁺16, CW01, JHL02, LXCH04, LLHT12, LCL08]. **insertion/sizing** [CW01]. **Instinctive** [MVK⁺18]. **Instruction** [HKL⁺15, HZS⁺19, KKMB02, LPD⁺17, LCD07, LHF12, LF12, OT15, SEN05, AMR00, Hua01, KSK⁺05, KTKO13, KHW06, LP03, LLHT03, LYCP13, LMW99, WH05]. **Instruction-Level** [HZS⁺19, SEN05]. **Instruction-Set** [HKL⁺15, LP03]. **Instructions** [KAKSP16]. **Instrumenting** [MPDG09]. **Integer** [ETAV18, TZ17, GH00]. **integer-programming-based** [GH00]. **Integrate** [LLH⁺17]. **Integrated** [HMLL11, HWX⁺14, HS19, JNCS19, KK14, KLE18, NCP01, RGM15, SHD17, BWB14, LFG⁺09, XTW05]. **Integrating** [BMdG17]. **Integration** [APD⁺11, BPTB17, BRCS18, IGN18, JHMGS18, TMDf10, YD16, DL11, LHZ⁺06, SSP04]. **integrity** [XZC09, YHH09]. **intellectual** [KHP05]. **Intelligence** [MVK⁺18]. **intelligent** [HCLC98]. **intensive** [KCA04]. **intent** [SDP⁺09]. **interacting** [NCP01]. **interactive** [SCV06]. **intercluster** [GBK07]. **Interconnect** [HCZ⁺16, MSB⁺09, WTR12, XS16, HR06, HLHT08, JPCJ06, SY07]. **interconnection** [CFX09]. **interconnections** [KM97]. **interconnects** [CML98, CH96, XZC09]. **Interface** [LHLP16]. **Interfaces** [PMP17]. **Interference** [CIX15]. **Interleaving** [SPC⁺15]. **intermediate** [LTH99]. **Internal** [BDB12]. **Internet** [DP04, TK18]. **interpolation** [CMNQ08, YHL⁺11]. **Interposer** [WCB15, WWCT18].

Interposer-Based [WCB15, WWCT18]. **Interrupt** [JP08]. **Interrupts** [Ali12]. **interval** [ST99]. **intrasignal** [KCKG13]. **Intrinsic** [HRK18, SCJ01]. **Introducing** [PGB01]. **Introduction** [BC08, BJX15, CO18, CLQ12, Har05, HJ08, JW08, LP07, Ped06, RW03, RBA⁺12]. **Introspection** [KI01]. **Intrusive** [LL15, SL18]. **Invariant** [Pom18b, PL03]. **Invariants** [IPWW17]. **Inversion** [LHW⁺17]. **Inversion-Aware** [LHW⁺17]. **inverted** [DH06]. **Inverter** [VEO16]. **Investigation** [XLNB17]. **IO** [Yan11]. **IoT** [CARH18, XLNB17, YFT17, YFT18]. **IP** [BFV15, JHMGS18, SSGS03]. **IP-Integration** [JHMGS18]. **IPs** [GSFT16, LLH⁺17, LG18, Sch17]. **Irregular** [KCKG16, KCKG13]. **ISAs** [SBH⁺06]. **Island** [LCY12, GM08]. **Islands** [JPHL16]. **Isolation** [CCS15]. **Issue** [BJX15, TK18, BC08, LP07, Ped06, Ped11]. **Iterative** [KLV15, DD02]. **iTimerM** [LJ18].

Java [BHDS09, PSL⁺98]. **JETC** [BC08]. **JETC/TODAES** [BC08]. **joint** [BC08]. **Jointly** [CCK⁺18, GYT12, ZLW⁺15]. **Journal** [SN10]. **JPEG2000** [GFC⁺09].

kEP [BCC08]. **kEP-SOPs** [BCC08]. **kernel** [WKR09]. **Kernels** [MLH⁺17]. **knapsack** [SBGD13]. **Knowledge** [EO19]. **Knowledge-** [EO19].

L [LM96, Meh98]. **L-shaped** [Meh98]. **L-shapes** [LM96]. **L0** [KJR⁺07]. **L2** [SYX12]. **Lab** [PGCB16]. **Lab-on-Chip** [PGCB16]. **Lagrangian** [LGGJ14]. **language** [MSD06, MLC08, PHM00, RHN00]. **languages** [BGM04, Edw03, SSG12]. **Large** [CSX⁺05, JZYZ15, LYL⁺19, YVC14, AM10, DD02, HH09, MRB⁺11, SCB01]. **Large-Scale** [LYL⁺19, YVC14, CSX⁺05]. **Last** [KLJ14, SABS15, SAL19, CXK⁺13].

Last-Level [KLJ14, SABS15, SAL19].
Latch [JNCS19, LCHT02]. **latch-based** [LCHT02]. **late** [LG12]. **Latencies** [Sch17].
Latency [QBTM16, YKCG14, ZYPC17, WHXZ13].
Latency-Minimal [ZYPC17]. **Lattices** [GSS14, HMO+14]. **Launch** [PTC+15, WWW+12, XCW12, WPHL08].
launch-off-shift [WPHL08].
Launch-on-Capture [XCW12].
Launch-On-Shift [PTC+15, WWW+12].
Launch-to-Capture [PTC+15]. **Layer** [LYCP17, WL12, Yan17, CLYP09, DDNAV04, OW06, Yan00]. **Layout** [CFD+16, DZ18, LZ17, LCYN18, RCK+15, SPC+15, WPHL08, XK97, YLZ+17, ZLY+15, GS00, GH00, KG09, WJYZ11].
Layout-Aware [RCK+15, WPHL08].
Layout-driven [XK97]. **layouts** [GFC+09, LM96]. **Lazy** [ZLW+15, ZLW+15].
Lazy-RTGC [ZLW+15]. **LDOs** [SCK18].
leaf [dW97]. **Leak** [PCT+17]. **Leakage** [CFHM09, DHB16, HYN15, JK10, STWX12, SYHL14, XT16, YLL09, ZBPF18, CS07, CCW08, KOS09, MLG12, YLL06].
Leakage-aware [YYLL09]. **Learned** [XFJ+16]. **Learning** [EW18a, HXC+18, IE12, LG18, LYHL14, PJJ14, TEK18, ZKS+16, ZHC+18, STL+13].
Learning-Based [LG18]. **Least** [JLJ15].
Legalizer [DBK+18, DBK+18]. **length** [CCC09b, Con06, LCT03]. **Lens** [KPSW09].
Lessons [XFJ+16]. **Level** [CDB11, CET16, CLMZ10, DKZ+15, HKL+15, HMO+14, HZS+19, KLJ14, LL15, LG18, LS11, PDS12, Pie16, RJ14, SABS15, Sch17, SS14, SAL19, WDL17, AYM05, BdM00, BD00, CCYC14, CIB01, CXK+13, Che96, GM08, GG99, GS00, GGDN04, HJ08, JD00, JR97, JP08, JT98, KI01, KRK98, KW02, LC14, LLQ+03, LTPT10, Lin97, MW97, MOZ06, MKBS05, MT02, MJM11, MLMM08, OCRS07, PB14, PPK09, PTC05, Ped06, PBSV+06, RFYL98, SW12, Sen11, SEN05, TC98, TJ99, Vah99, VAAH+98, VKKR02, VS12b, WTL+13, XK97, YWW10, ZHM07, ZLL13].
Leveling [CCH+15a, CHC+16, Kha12, CD09].
levelized [KPR06]. **Levels** [BFL10]. **LFSR** [KJT04, Pom17a, Pom18b]. **LFSR-Based** [Pom17a, Pom18b]. **Libraries** [ACF+11].
Library [KRH18, KKS16, MCZ+16, BD97, DDNAV04, JD00]. **Library-Based** [MCZ+16, DDNAV04]. **lifecycle** [HDL+12].
Lifetime [AAA15, DLC+17, WDL17, MHT14].
Lightweight [MPM+17, NSCM17].
limitations [Voe01]. **limited** [LLKC13].
line [SNH02, ZYZ+13]. **Linear** [ACFM12, ETAV18, MFHP12, TZ17, DSRV02, KC98, LWK11, ST99]. **Links** [KQP+19]. **list** [HCS01, MHD+04].
list-approximation [HCS01]. **lists** [HVF+01]. **Lithography** [LZ17, ZLY+15].
liveness [MS08]. **LLC** [PBZM19]. **LLCs** [PBL+17]. **Load** [LLHT12, Pom19a, Pom14b].
Load-balanced [LLHT12]. **Local** [BM11, KC13]. **Locality** [MT15, ZFLS11, GFC+09, Kan06].
Locality-Aware [MT15]. **Locality-Driven** [ZFLS11]. **Localization** [YYL+15].
localized [CMNQ08]. **Locally** [PMS15, KC13]. **Locking** [Mit16]. **Logic** [BFL10, CBMM10, Che18, ETAV18, EKS+14, HS18, HIW15, KKH+02, KMO+12, LWZ+19, LWC18, WB16, WKC12, ZWD11, ARLJH06, BLM00, BDM+99, BOC00, CSKR05, CD96, GGBZ02, KJKK03, KMC97, KVMH08, LWH06, MW97, RJBS09, TW96, TN99, TJ99, VKT02, WVYG99, ZS02, PRCK08].
Logic-Based [ETAV18]. **logics** [BD05].
long [SSP04]. **long-path** [SSP04].
Longevity [KBV+15]. **lookup** [CH02, WSEA99]. **Loop** [AA17, EO19, SXX+06, HKV+07, PCC09, XPSE12]. **loops** [BG01, CL99a, KNDK96, SHLL98]. **Lose** [KBV+15]. **Loss** [WSRH16, KC13]. **Low**

[ACF⁺¹¹, ALL17, BPTB17, CH10b, CM08, CHHL96, CLMZ10, GBR07, HLKN07, HTCP13, LTYW12, LSL⁺¹³, LS17, MKK13, MACV14, PMB10, Pom14b, RFB10, SESN15, TWL16, TMDF10, WGT⁺¹⁷, YKCG14, ZK15, BD00, BPRR98, CH10a, CCX06, DS06, GOC02, HLCH07, HCK13, JWL⁺⁰³, KBN09, KKH⁺⁰², KJR⁺⁰⁷, KHW06, KYN⁺¹², LLHT03, LYCP13, LHW97, ML09, RTNL05, SUC01, TJ99, YGZ04, ZYDP08, ZP08].

Low-Complexity [LTYW12]. **low-cost** [BPRR98, HCK13]. **Low-energy** [LSL⁺¹³]. **Low-Latency** [YKCG14]. **Low-overhead** [PMB10]. **Low-Power** [ALL17, BPTB17, CH10b, CLMZ10, GBR07, LS17, TWL16, TMDF10, WGT⁺¹⁷, ZK15, CM08, HTCP13, MKK13, Pom14b, RFB10, BD00, CH10a, DS06, GOC02, HLCH07, JWL⁺⁰³, KBN09, KKH⁺⁰², KHW06, KYN⁺¹², LYCP13, ML09, RTNL05, SUC01, ZYDP08, ZP08]. **lower** [LC96, TC98]. **lower-bound** [LC96]. **Lowering** [JLK15]. **LUT** [CD96, CH00, KNRK06, LKM04, VKT02]. **LUT-based** [CH00, KNRK06, LKM04, VKT02]. **LVS** [LBV⁺⁰⁶].

MAC [BS14a]. **Machine** [EW18a, HXC⁺¹⁸, IE12, LYHL14, ZHC⁺¹⁸, CK96, KMC97, MMP00, PHM00, MSR09]. **Machine-Learning** [ZHC⁺¹⁸]. **Machines** [DMR10, BDC08, CHHL96, MS08, BHDS09]. **Macro** [LJ18]. **macrocell** [CHY05]. **Macromodel** [SHD17]. **MAESTRO** [RGT⁺¹⁴]. **Main** [AAA15, BLNK14, PBZM19]. **Making** [XLNB17]. **Managed** [KLK⁺¹⁷]. **Management** [ABC⁺¹⁷, BM11, CHBK15, DLC⁺¹⁷, DMR10, GCL⁺¹⁶, HC17, HXC⁺¹⁸, KKL15, LHW⁺¹⁷, MDR15, PJJ14, PBZM19, VA17b, WMT⁺¹⁶, AHAKP08, ADDM⁺¹³, AMM⁺⁰⁶, ANR13, BHDS09, BMJ13, CLQ12, DS05, FHHG12, GK14, HCK13, IBMD07, LMB⁺¹², STL⁺¹³].

Managing [TY19, BD08]. **Manhattan** [DSKB04]. **Manhattan-diagonal** [DSKB04]. **manipulation** [CCQ98, Zho08]. **Many** [SESN15, WMT⁺¹⁶]. **Many-Core** [SESN15, WMT⁺¹⁶]. **Manycore** [KLK⁺¹⁷]. **Manycore-Based** [KLK⁺¹⁷]. **mapper** [YTHC97]. **Mapping** [CPS16, ETAV18, HABS15, HAB⁺¹⁷, ZYPC17, CSL⁺⁰⁷, CH02, CH00, CHY05, JP12, JD00, KL05, LKM04, MBB01, PL98, SKS12, WY06, WSEA99, ZS02]. **Marching** [CCH^{+15a}]. **Marching-Based** [CCH^{+15a}]. **Markov** [CB17]. **Massively** [ZWD11]. **Matched** [LCYN18]. **Matching** [MS17, THM15, WLLH16, ZLG⁺¹⁹, BD97]. **MATLAB** [LPD⁺¹⁷]. **matrices** [KVMH08]. **Matrix** [CLT⁺¹⁵, LKC⁺¹⁸]. **Matrix-Based** [LKC⁺¹⁸]. **Maximizing** [HHK⁺¹⁷]. **Maze** [LLLL18, JCGP05]. **MCC** [YYG⁺¹⁶]. **MCEmu** [THT12]. **MCM** [EK97]. **MCMM** [EK16]. **McPAT** [LLK⁺¹⁴]. **MCUs** [MRB⁺¹¹]. **MDE** [ORGD⁺¹⁵]. **mean** [Das04]. **Measurement** [APDC17, CRT19, JB98, LG12]. **Measurement-Based** [APDC17]. **measuring** [WAZ98]. **Mechanical** [LTW⁺¹⁶]. **Mechanism** [QSW⁺¹⁵, SVK17, WQC⁺¹⁶, ZLW⁺¹⁵, ZK15, Wu09]. **Mechanisms** [CBO⁺¹⁸, GBK07]. **memetic** [LFG⁺⁰⁹]. **Memories** [AAA15, DFM15, JSA18, JD00, MRB⁺¹¹, NR03, OK08, RMB10, SPG⁺⁰⁸]. **Memory** [BLNK14, BD14, CPS16, CCK⁺¹⁸, CIX15, DFM15, JCK⁺¹⁸, KLSP11, KKL15, LLP⁺¹⁶, LWZ⁺¹⁹, PDN97, PPP⁺¹⁵, PBZM19, SSL17, TLCF16, TRM⁺¹⁶, TMDF10, WQC⁺¹⁶, WDZG16, WGS16, XNZ⁺¹⁵, ZLW⁺¹⁵, ZZCY17, AMM⁺⁰⁶, BD08, BHDS09, BGN⁺⁰⁷, CPW04, CJLZ11, HKV⁺⁰⁷, IBMD07, JCS⁺⁰⁸, Kan06, KG09, LSPC14, MB04, NdLCR03, OKC08, PDN00, PCD⁺⁰¹, SUC01, SM00, WH05, Wu09, ZYZ⁺¹³, ZP08]. **Memory-Based** [BD14, CPS16, LWZ⁺¹⁹].

memory-constrained [OKC08]. **MEMS** [Kha12]. **Merging** [ASAP17, TCL14, LLLC13, MB04]. **Mesh** [JM14, KK14, GHW⁺12, RL13]. **message** [DSH12, EY12]. **message-passing-based** [EY12]. **metamodeling** [MPSJ07]. **Method** [AKAKP18, BZWZ17, LCC⁺15, RGM15, SRC15, STGR15, WTR12, WMT⁺16, YLZ⁺17, ZYW⁺18, CGN96, CL99b, HW00, Kag05, LH13, LDK99]. **methodologies** [BW00, CEB06, MD13, SSCS10]. **Methodology** [BFV15, EAP17, KKL15, KJR⁺07, KMO⁺12, LW17, LZSV15, LLLL18, VA17a, VEO16, AMM⁺06, DRG98, FLPP09, HDL⁺12, HCLC98, Hsi00, KYN⁺12, NR03, PW99, SEN05, SMSB05, SZV⁺12]. **Methods** [EW18a, GDF09, KRL15, ZHC⁺18, FZKS11, SW04, ZAJ⁺12]. **Metric** [YRH11]. **Microarchitectural** [GOC02, LS11, HMLL11]. **Microarchitecture** [ZBPF18, CFX09]. **microcontrollers** [CD09]. **MicroFix** [YHL⁺11]. **Microfluidic** [GHYR19, LHC16, LKC⁺18, MGR⁺15, PGCB16, RCK⁺15, SKS⁺18]. **microfluidics** [SOC06, SC06]. **microfluidics-based** [SOC06, SC06]. **Microgrid** [VA17a]. **Microprocessor** [OT15, BPRR98, HV98, LBV⁺06, WAZ98, WWC04]. **microprocessor-based** [BPRR98]. **Microprocessors** [Ali12, WMT⁺16, LTPT10, MKW09, VAAH⁺98, WTL⁺13]. **Migration** [DK16, Kha12]. **Migration-Resistant** [Kha12]. **million** [HH09]. **million-gate** [HH09]. **Min** [HS18, SSP04]. **Min-Area** [HS18, SSP04]. **min-delay** [SSP04]. **Mine** [LWC18]. **Minimal** [MCD12, ZYPC17, KL05]. **minimal-area** [KL05]. **Minimization** [HYN15, WB16, AMR00, CSAHR07, CGN96, CCC09b, HPK99, HCS01, HCN09, KC13, LXCH04, LKM04, LDK99, LWH06, LC07, MRC06, OK08, Ped96, PR96, QS09, SXX⁺06, TJ99, ZYP09]. **Minimizing** [GSD⁺18, KOS09, TPC⁺17, WDZG16, WC10, KT96]. **Minimum** [BFL10, HYN15, JLK15, KJKK03, FNMS01, MS00, ZCG06]. **minimum-area** [MS00]. **Minimum-Energy** [BFL10]. **Mining** [LWC18]. **miss** [TY97]. **Mistakes** [DHB16]. **Mitigate** [MDR15, RJBS09]. **Mitigating** [MRB⁺11]. **Mitigation** [BFL10, KRL15, HMLL11]. **Mixed** [BB17, CYH19, IGN18, KMR18, SZB17, YVC14, ZABGZ17, ZSY18, AM05, KOS09, MS00, YWGI09]. **mixed-** [KOS09]. **Mixed-Critical** [IGN18, KMR18]. **Mixed-Criticality** [BB17, CYH19, SZB17, ZABGZ17]. **Mixed-Signal** [STGR15, ZSY18]. **Mixed-Size** [YVC14, AM05]. **Mixture** [RCK⁺15, SKS⁺18]. **MLC** [JSA18, KYL16, PPP⁺15]. **MM*** [LH14]. **Mobile** [JYZY15, LKH19, YPCF17, ISE08, JBC⁺10]. **MoC** [MPSJ07]. **Mode** [EK16, JOH17, KKS16, LC07]. **Model** [AVG19, CLH12, CCH15b, CB17, EAP17, GFJ16, GGB97, KW16, LH14, LJ18, LOC12, SZB17, XLNB17, YWGI09, YMB15, BLR06, BK10, BH03, CNQ13, CH13, CK96, LLQ⁺03, MP07, MCMW08, PWY05, RS98]. **model-based** [MP07]. **Model-Centric** [XLNB17]. **Model-Driven** [EAP17, LOC12]. **modeled** [ARLJH06]. **Modeling** [BKW15, CVMP19, GS00, GCZ⁺15, LG18, LLK⁺14, PSL⁺98, QBTM16, RGT⁺14, SSS⁺19, TWL16, WTR12, WGT⁺17, BBD00, JP08, LMW99, LON08, LVL03, MPSJ07, PTC05, RHN00, RFYL98, Rak09, SKCM06, VAAH⁺98, VLGG01, WTL⁺13, WJY⁺07, ZM07]. **Models** [APD⁺11, APS18, BBEM15, BFG17a, HHL14, MA16, ZABGZ17, GMSS02, LTPT10, MRC06, SGD10, SMSB05]. **Modern** [DKT⁺16, NTSA18].

Modification [JK10, PAV17]. **Module** [LCYN18, SC06, CCX06, SCJ01, TW96]. **modules** [CWW96, CZW⁺03, KT96, OWH08]. **Modulo** [PG15]. **Monitoring** [FYCT15, LL15, LHLP16, LLH⁺17, SL18, APB⁺08, CXK⁺13, CBR⁺05, KP13, WJY⁺07]. **Monolithic** [LDD⁺18]. **Monotone** [DPNB02]. **Monte** [GLY⁺12]. **morphing** [RAKK12]. **MOS** [ZK15]. **MOSFET** [BFL10]. **notes** [RFB10]. **Motion** [FG18, ZLG⁺19, DHV⁺00, KMS12]. **Movement** [HWGY16]. **MP** [CRC15]. **MPSoC** [BGN⁺07, GK14, KKJ⁺08, KH10, SGD10]. **MPSoCs** [ADP⁺07, MHT14, RGT⁺14, SKS12, SSL17, YP10]. **MRAM** [JZYZ15]. **MSG** [WY06]. **MTCMOS** [HLCH07]. **Multi** [BS14c, CYH19, ETAV18, HC17, JOH17, KLE18, ZLY⁺15, CNQ13, HGBH09, HMB98, KOS09, MPSJ07, PB14, Pom14a, RAKK12, SZV⁺12, Wu09]. **multi-** [KOS09]. **multi-bank** [Wu09]. **Multi-Core** [CYH19, ETAV18, RAKK12, SZV⁺12]. **multi-cycle** [Pom14a]. **multi-engine** [CNQ13]. **Multi-FPGA** [BS14c]. **multi-MoC** [MPSJ07]. **Multi-Mode** [JOH17]. **Multi-Objective** [KLE18, PB14]. **multi-phase** [HMB98]. **multi-processor** [HGBH09]. **Multi-Start** [ZLY⁺15]. **Multi-threaded** [HC17]. **multibank** [WH05]. **Multicast** [WWCT18, XS16, XCF18]. **multichip** [OWH08]. **Multicore** [BM11, CRC15, DFM15, HWX⁺14, JPHL16, KLSZ11, LS11, LHK⁺15, LMA⁺16, QBTM16, SPT⁺17, SAL19, THT12, WDZG16, BHW⁺13, CNQ13, DSH12, HDL⁺12, KP13, LTPT10, Ped11, QM12, SNL12, WTL⁺13]. **Multicycle** [Pom15a, Pom13]. **multidimensional** [SBGD13]. **multidomain** [AM10, BMJ13]. **multifunctional** [AM10]. **Multiharmonic** [WGT⁺17]. **Multilayer** [KKHK16, LLLL18]. **Multilevel** [HBPW14, JZYZ15, PJL14, JCS⁺08, SGK08]. **multilevel-cell** [JCS⁺08]. **multimedia** [HKL⁺07, ZHM07, ZHOM08]. **multimetric** [HR06, RGM09]. **Multimode** [SSGS03]. **multiplane** [AJM13]. **Multiple** [BM11, GYT12, KRL15, Pom16b, SRC15, WC06, YLZ⁺17, CH96, GM08, JR97, KFH⁺08, LBV⁺06, LLHT12, MRB⁺11, MR05, NdLCR03, PT06, PMB10, RMKP03, RM09, SBGD13, WLT08, WLCJ09, WSEA99]. **multiple-bit** [RM09]. **multiple-choice** [SBGD13]. **multiple-output** [WSEA99]. **multiple-project** [WLT08]. **Multiple-Supply** [BM11]. **Multiple-Transient** [KRL15]. **Multiplexed** [LHC16]. **Multiplexer** [Pom18a]. **Multiplication** [GYT12]. **Multiplierless** [ACFM12, AFM14]. **multipliers** [RMPJ08]. **multiprocessing** [ZM07]. **Multiprocessor** [CHBK15, CH17, JOH17, KFH⁺08, NSH⁺16, APB⁺08, DCK07, DCK09, DCK10, HCLC98, Kan06, MOZ06, WLL⁺11, WG11, ZAJ⁺12]. **Multiprocessors** [HAB⁺17, JGM14, KBV⁺15, PJL14, IAI⁺09, PTC05, ZYDP08]. **Multirate** [ZABGZ17]. **multistage** [LON08]. **multistandard** [CCC⁺09a]. **Multitarget** [SKS⁺18]. **multitasking** [NG06, PW99]. **multiterminal** [JCGP05, MW97]. **Multithread** [SYHL14]. **Multithreaded** [HPB11]. **Multiversion** [HCL⁺14]. **multivoltage** [CCX06]. **Multiway** [FW00]. **mutually** [DK08]. **N** [PR07]. **N-detection** [PR07]. **NAND** [PPP⁺15, WQC⁺16, ZLW⁺15]. **Nanometer** [BFL10, BPTB17, STWX12]. **nanoribbon** [YMC⁺13]. **Nanotube** [WSH⁺18]. **Navigation** [MVK⁺18]. **NBTI** [BDB12, CMP10]. **NBTI-Aware** [CMP10]. **Near** [KCKG13, SHN12]. **Near-optimal** [KCKG13]. **near/sub** [SHN12]. **near/sub-threshold** [SHN12]. **Nested**

[AA17, CL99a]. **Nesterov** [LCC⁺15]. **net** [LXCH04, MW97]. **nets** [JCGP05].

Network
 [CARH18, Hcz⁺16, HXC⁺18, KLK⁺17, LDD⁺18, LW17, MT15, XS16, XCF18, YKCG14, ZYS12, CSC08, CL13, CM08, CXK⁺13, CCL04, HW14, KMC97, LCOM07, LLKY13, LLKC13, OCRS07, RFB10].

Network-on-Chip [LDD⁺18, LW17, XS16, XCF18, YKCG14, ZYS12, CSC08, LCOM07, LLKY13, LLKC13]. **Network-on-Chips** [HCZ⁺16]. **Networked** [KC10]. **Networks** [BKW15, BDBB19, IHM15, JLJ15, LYL⁺19, MPM⁺17, SRTG19, XLS15, YMB15, ZFLS11, ZYPC17, ZMP16, BLR06, CXK⁺13, CBR⁺05, GWR13, HVMG13, JP12, JSG09, MD13, MDM07, OM08, RL13, TDE08, VS12a]. **Networks-on-Chip** [BDBB19, IHM15, JLJ15, CXK⁺13, JP12, OM08]. **Networks-on-Chips** [VS12a].

Neumann [KT01]. **Neural** [LYL⁺19]. **Neuron** [ZK15]. **Neuron-MOS** [ZK15].

Next [YD16]. **NoC** [ADDM⁺13, HWX⁺14, MHT14, QBTM16, TCL14, SPT⁺17]. **NoC-based** [MHT14, HWX⁺14, QBTM16].

Noc-HMP [SPT⁺17]. **NoCs** [AJM13, DLC⁺17, JM14, KPF16, MT15].

Node
 [BDB12, PDS12, DHZ⁺11, JSG09, ZHOM08].

node-centric [ZHOM08]. **Nodes** [BPTB17, NSS⁺16]. **noise** [GGBZ02, HR06, HMLL11]. **nominations** [Ano13]. **Non** [GLY⁺12, LL15, SL18, STJG16, WDL17, ZYW⁺18, KCKG13].

Non-enumerative [STJG16]. **Non-Gaussian** [ZYW⁺18]. **Non-Intrusive** [LL15, SL18]. **Non-Monte-Carlo** [GLY⁺12]. **non-overlapping** [KCKG13].

Non-Volatile [WDL17]. **noncomplementary** [RS03].

Nonfunctional [HBPW14, RGT⁺14]. **Nonideal** [TWL16]. **noniterative** [MCMW08]. **nonlinear** [CCC09b, Con06]. **nonManhattan** [Yan00]. **nonpreemptive** [GDG⁺08]. **nonslicing** [LCC11].

Nonspecified [WC10]. **nonstationary** [AHAKP08]. **nonuniform** [VCLD03]. **nonvolatile** [SLXZ12, ZYZ⁺13]. **note** [CSL⁺07]. **Notions** [SGC⁺14]. **Novel** [KKHK16, LWZ⁺19, MS17, DDFR13, SCCH08, Ped06]. **number** [HPK99]. **NVM** [BRCS18]. **NVMe** [HC18].

O [LC13, Wu09, Yan16]. **OAOS** [HGLC16]. **OBDD** [FWCL05]. **Obfuscated** [LMS16]. **Obfuscation** [GDTF17]. **Obfuscation-Based** [GDTF17]. **Object** [Wol96, HCLC98, Hsi01]. **Object-oriented** [Wol96, HCLC98, Hsi01]. **Objective** [KLE18, PB14]. **Observability** [CLMZ10, CM13]. **observability-based** [CM13]. **Observation** [LL15, HW14, Pom13]. **Observing** [DBK⁺18]. **Obstacle** [HLG⁺15, HGLC16, LLLL18, WSRH16, LYKW09, SMYH07]. **Obstacle-Avoiding** [HLG⁺15, HGLC16, LLLL18, WSRH16, LYKW09]. **obstacle-aware** [SMYH07]. **obtain** [MS00].

Occupancy [ZHC⁺18]. **Octilinear** [HGLC16, Yan08]. **Off** [FG18, PDN00, RJL⁺09, WPHL08]. **off-chip** [PDN00]. **Office** [GCL⁺16]. **Offline** [MGR⁺15]. **offs** [FHHG12, PCC09, WVYG99, WGDK07, XPSE12]. **OLED** [LKH19]. **On-Chip** [ALL17, JNS⁺17, JZYZ15, SCK18, ZYPC17, LCOM07, PDN00, ZSZ10, ADS⁺09, CCL04, KP13, LH13, NR03, PPDK09, YLP⁺13, ZM07].

On-Demand [AAA15]. **Once** [CHBK15]. **One** [XFJ⁺16]. **Ones** [PB12]. **Online** [ZAJ⁺12, ADDM⁺13, CSAHR07, RAKK12]. **Only** [CHBK15]. **open** [BCR⁺08, BD05]. **open-source** [BCR⁺08]. **Operating** [TWL16, PMB10]. **Operation** [BPTB17, CLMZ10, GDTF17, MACV14, KJR⁺07].

Operations
 [BC16, LWZ⁺19, ARLJH06, BG01, HPK99]. **operators** [BD05]. **opportunities**

[VCLD03]. **Opposite** [HCN09]. **Opposite-phase** [HCN09]. **Optical** [DZ18]. **Optimal** [ABC⁺17, BKW15, BASB01, Cha01, CCX06, CARH18, CH96, FG18, GSS14, HWCL13, KNDK96, LCHT02, OWH08, PL98, SCK18, TS96, TPC⁺17, ZW98, BW00, BMJ13, CACS05, CGN96, CH00, DSK01, GH00, KCKG13, LH09, MKW08]. **Optimization** [ACFM12, BZWZ17, CYH19, CK16, DHVW18, DZCD15, GLY⁺12, GK07, HLG⁺15, HZ19, JPHL16, JNCS19, KKK12, KKS16, LHC16, LZZSV15, LH11, LYCP17, PPP⁺15, SYHL14, SRTG19, TRM⁺16, WHRC12, WKC12, WSRH16, BLM00, BDM⁺99, BdM00, BCC08, BDB98, BFP08, BOC00, BGN⁺07, CLLK06, CSC08, CCC09b, CFX09, CJLZ11, Con06, DP02, GG04, GBC07, GDF09, GHW⁺12, HR06, HPK99, HG07, JPCJ06, KJKK03, KLSP11, KCKG13, KSA⁺10, LLHT03, LCHT02, LC07, LLLC13, MKBS05, MHT14, MKW09, MLG12, OM08, PCD⁺01, PEPP06, RGM09, RJBS09, SB98, SPA⁺03, THL⁺13, VKKR02, VLH04, WGDK07, WLL⁺11, XZC09, GK09]. **optimizations** [GGDN04, KRS06, SSG12, SC00, ZHTC09]. **Optimized** [ACF⁺11, BC05, HCRK11, VA17b, ZABGZ17, ZYS12, KCA04, SY07]. **Optimizing** [GYT12, KSK⁺05, LPP00, LAS01, SYZ08, ZLW⁺15]. **optimum** [Das04]. **Orchestrated** [SAL19]. **Orchestration** [EW18a]. **Order** [DZCD15, KQP⁺19, SXZV13, ZBPF18]. **Ordered** [JD18]. **Ordering** [AJM13, GKM05, LXCH04, MKW08]. **organization** [PDN97]. **Oriented** [RGT⁺14, HCLC98, Hsi00, Hsi01, LHZ⁺06, Sen11, Wol96]. **Orthogonal** [GLY⁺12]. **outbreak** [FNP09]. **Output** [JM14, WSEA99]. **Overhead** [WLL⁺11, MHQ07, PMB10]. **Overhead-aware** [WLL⁺11]. **Overlapping** [KCKG16, YYG⁺16, KCKG13]. **Overlay** [EW18b].

P3 [HK18]. **package** [BC05, LC13, LCJ⁺10]. **packaging** [VLH98]. **Packet** [MS17, CL13]. **packings** [SYZ08]. **Packs** [SKM⁺16]. **pad** [IBMD07]. **padding** [SSP04]. **Page** [AAA15]. **Pair** [JD18]. **Pairing** [AAA15]. **Pairwise** [ZLY⁺15]. **paper** [GK09, QS11]. **papers** [CH10a, KLSZ09, Ped11]. **paradigm** [DS05, TYH08]. **paradigms** [Ped06, PBSV⁺06]. **Parallel** [DL11, EBR⁺09, EAP17, GDPRG11, KLSZ11, KLK⁺17, KMC97, LB11, Sch17, ZFLS11, ZS16, ZWD11, CBHK11, CT13, Hsi00, Hsi01, KKJ⁺08, KH10, LM05, LH09, RMPJ08, TW96, ZCG06, KLSZ09]. **parallel-programming** [KKJ⁺08]. **Parallelism** [HC18, DSRV02]. **Parallelization** [LH11, ZLL⁺16]. **parallelizing** [GGDN04]. **Parameter** [ZKS⁺16, ST99]. **Parameterised** [HABS15]. **parameterizable** [BHS11]. **Parameterized** [LTPT10, CT13, TP08]. **Parameters** [BBEM15, KPR06]. **Parametric** [BFG17a, LON08, LCKT12]. **Parasitic** [WLLH16]. **Parasitic-Aware** [WLLH16]. **parity** [RMB10]. **PARR** [XYG⁺16]. **parser** [MLC08]. **Partial** [KQP⁺19, MCZ⁺16, ETR07, GDG⁺08, KBN09, KJT04]. **Partially** [Pom16c, Pom18b, SSC17, LSDV10, YYLL09]. **Particle** [HLG⁺15, FS13]. **Partition** [WDLD17, ZLL⁺16, CFHM09, WY06]. **partition-based** [CFHM09]. **Partition-Level** [WDLD17]. **Partitioned** [WDZG16, FWCL05]. **Partitioning** [CPS16, LSDV10, SS14, SRTG19, TBCH17, TP08, Vah02, AM10, AMO05, CT13, CJLZ11, DCK07, DD02, FW00, GF10, LLKY13, LVL03, MSKBD07, ML09, PDN00, VLH98, Vah99, WH05, YGH⁺10]. **Partitions** [ZS16]. **pass** [BWB14]. **pass-fail** [BWB14]. **passing** [DSH12, EY12]. **Passive** [DHB16, EO19]. **Path** [AKAKP18, CV17,

FYCT15, KPF16, LVS16, LLLL18, MCD12, STJG16, TD03, ETR07, LC14, PT06, PMB10, SHLL98, SSP04, XLCL13, Yan08]. **Path-Assessed** [LLLL18]. **Path-Aware** [AKAKP18]. **Path-Driven** [LVS16]. **Paths** [GC18, BK00, PGB01]. **Pattern** [BKW15, CCK⁺18, BH03, FNMS01, OKC08]. **pattern-based** [OKC08]. **Patterning** [LZ17, XYG⁺16, YLZ⁺17, ZLY⁺15]. **Patterns** [Pom18b, ZMTC13]. **Pay** [CHBK15]. **Pay-Burst-Only-Once** [CHBK15]. **PCB** [Yan17]. **PCM** [AAA15, BLNK14, CCH⁺15a, CHC⁺16, HHK⁺17, LYLW17, PBZM19]. **PCM-Based** [PBZM19, AAA15, CCH⁺15a]. **PeaCE** [HKL⁺07]. **Peak** [JGM14, PTC⁺15, TPC⁺17, HCN09]. **PeaPaw** [TBCH17]. **Penalty** [JK10]. **per-Task** [LMA⁺16]. **per-word** [RMB10]. **Performance** [Ali12, BG01, BDBB19, CCS15, DKT⁺16, DBK⁺18, DLC⁺17, DKZ⁺15, FG18, GK14, HWCL15, KYL16, LDD⁺18, LMW99, LLL⁺18, LTPR⁺13, NRZ⁺18, QBTM16, SYX12, TBCH17, TRM⁺16, TK18, THT12, THC⁺14, WY06, WMT⁺16, WLC02, WLCJ09, Yan16, YP10, ZLW⁺15, CL13, DP02, EK97, FLPP09, GDTG07, Giv06, GOC02, GHW⁺12, GWR13, HDL⁺12, LC96, LJV02, LYKW09, LFG⁺09, LV02, NS03, PDN97, RAKK12, SLXZ12, VLH98, WWG08, ZHM07]. **Performance-Aware** [BDBB19]. **Performance-constrained** [BG01, WLCJ09, GOC02]. **Performance-Driven** [HWCL15, Yan16, GK14, WY06, WLC02, EK97]. **Performance-Efficient** [YP10]. **performance/power** [ZHM07]. **Performance/Thermal** [SYX12]. **Performance/Thermal-Aware** [SYX12]. **Period** [HYN15, BDB98, CGN96, PL98]. **Periodic** [CHBK15, Pom16c]. **Perspective** [RJ14, SS14, MOZ06, ZHOM08]. **Pharmaceutical** [YSF⁺18]. **Phase** [BLNK14, JSA18, KSA⁺10, LLP⁺16, CR12, HMB98, HCN09, Kag05, RAKK12]. **Phase-adjustable** [KSA⁺10]. **Phase-Change** [LLP⁺16]. **Physical** [CO18, HLHT08, SKM⁺16, YD16, GWR13, HMOVG13, MLG12, SYL09]. **Piecewise** [HBPW14]. **Pin** [XYG⁺16, OWH08, XTW05]. **Pin-Access** [XYG⁺16]. **Pipeline** [CRC15, RPKC05]. **Pipelined** [CHBK15, LF12, Hua01, MS08, MD08, NS03, RTNL05, YGH⁺10]. **pipelines** [HA05]. **Pipelining** [AA17, KLV15, BG01, BASB01, CACS05, CL99a, HV98]. **place** [KCKG13, YWW10]. **Placement** [DK16, HWGY16, HWCL15, JNCS19, KRL15, LLL⁺18, LNG⁺16, LCC⁺15, LB11, MCZ⁺16, TRM⁺16, WSH⁺18, WSRH16, WLLH16, YVC14, ZSY18, AM05, ACT13, CBHK11, CACS05, CC06, CSX⁺05, EK97, KPSW09, LCK⁺09, OS03, RS03, SC06, Tes02, TY97, VLH04, WLC02, WCC03, WLT08, YWK⁺03]. **placements** [HWCL13]. **Placer** [AMM⁺18, DKT⁺16, DKT⁺16]. **planar** [DPNB02]. **Planning** [XYG⁺16, YYG⁺16, LC13, LHZ⁺06, MKBS05, SBC08, XTW05]. **PLAs** [LWH06]. **Platform** [APD⁺11, IGN18, FNP09, JCS⁺08, RFB10, ZHM07, PBSV⁺06]. **platform-based** [ZHM07, PBSV⁺06]. **Platforms** [BS14c, ETAV18, LS11, LMS16, RS18, TBCH17, WDZG16, YPCF17, BMJ13, CNQ13, JW08, LP07, MPDG09]. **Playing** [RJL⁺09]. **PMC** [CLH12, CCH15b, CH13]. **PMU** [APD⁺11]. **Point** [ALL17, BS14a, BFL10, SRC15, XNZ⁺15, AM98, CPW04, DPNB02, LCOM07, WG11, Yan08]. **point-to-point** [LCOM07]. **points** [PMB10, Pom13, TD03]. **Poisson** [QSK12]. **Polar** [JNS⁺17]. **polarity** [CHH09, LT11]. **Policies** [DZCD15, Kha12]. **policy** [CXK⁺13]. **Polishing** [LTW⁺16]. **polygon** [LLM01]. **polygons** [CT13, LM96, TP08]. **Polymerase** [LHC16]. **polymorphic** [LLYW10]. **polynomial** [GK07, GK09].

Polynomials [GLY⁺12]. **port** [CL13, SBC08]. **port-scalable** [SBC08]. **portable** [LCZ⁺08, Rak09]. **POSE** [Hsi01]. **Positioning** [HK18]. **Postlayout** [CLLK06]. **Postplacement** [CMB07, LCY12, WWG08, XLL⁺16]. **Postscheduling** [FHHG12]. **postsilicon** [MKK13]. **Power** [ACF⁺11, ALL17, BLM00, BS14b, BM11, BPTB17, CMP10, CH10b, CHBK15, CXH⁺16, CLMZ10, DLC⁺17, FG18, GBR07, GCL⁺16, HPK99, HYN15, JLK15, KKHK16, LG18, LKM04, LYHL14, LLK⁺14, LHJ12, LHK⁺15, LKH19, LS17, MAS16, MKW09, MN17, PJJ14, Ped96, PTC⁺15, SCK18, SC00, SBC08, SYHL14, SSCS10, SESN15, TWL16, TRM⁺16, TMDF10, TCL14, WVYG99, WGT⁺17, WC10, WSRH16, XLS15, ZFLS11, ZK15, ZS16, ZMTC13, AHAKP08, BDM⁺99, BdM00, BD00, BMJ13, BBD00, CS07, CH10a, CM08, CIB01, CCX06, CCW08, CHHL96, CCC09b, CJLZ11, CLQ12, DS06, DTC⁺09, ETR07, GOC02, GDF09, GF10, GS13, HR06, HLCH07, HLHT08, HTCP13, JWL⁺03, KBN09, KKH⁺02, KOS09, KC13, KHW06, KYN⁺12, LMB⁺12, LLHT03, LYCP13, LHW⁺17, LBV⁺06, LHW97, MKK13, MRC06, MKW08, MLG12, MFS09, ML09, NT05, PPDK09, Pom14b, PWY05, PR96, RFB10]. **power** [RTNL05, STL⁺13, SUC01, SPMS02, SNL12, SZV⁺12, TKVN07, TJ99, THC⁺14, WJY⁺07, YHL⁺11, YGZ04, YLL06, YHL07, YHH09, ZHM07, ZLL13, ZYDP08, ZP08, ZYP09]. **Power-Aware** [LHK⁺15, SBC08, SNL12]. **Power-delay** [MKW09, SC00, WVYG99]. **power-density** [ZYP09]. **Power-Efficient** [JLK15, SZV⁺12]. **Power-Gating** [KKHK16, YHL07]. **power-optimal** [MKW08]. **Power-safe** [ZMTC13]. **power-transmission** [KC13]. **Power/Ground** [LHJ12]. **Powered** [XPZ⁺18, CSAHR07]. **Powerful** [LTYW12, MB04]. **PowerPC** [WAZ98]. **Practical** [Pie16, VJBC07]. **Practice** [MDM⁺12, SSCS10]. **PRAM** [KYL16]. **precedence** [ZAZ13]. **Precise** [Ali12]. **predefined** [PSK08]. **Predictability** [NSCM17]. **predictable** [HGBH09]. **Prediction** [CS07, DKZ⁺15, FG18, HWX⁺14, JGM14, PBL⁺17, CR12, OM08, SYL09]. **prediction-based** [OM08]. **Predictive** [AVG19, HW00, TKVN07]. **Preemptive** [IHM15, SSC17, GDG⁺08]. **Preface** [YD16]. **Preferred** [Pom18a]. **Prefetching** [LV02]. **prefix** [LH09, ZCG06]. **Preparation** [PGCB16, RCK⁺15, SKS⁺18]. **prescribed** [DSRV02]. **Presence** [EKS⁺14, MCMW08]. **Preserving** [HK18]. **Prevent** [WSS⁺18]. **Primary** [Pom16a]. **Principle** [CHBK15]. **principles** [Ped96]. **Print** [DZCD15]. **Printed** [GDTF17, OW06]. **Priority** [IHM15, KPF16, LMS16, WZG16, MHQ07]. **Priority-Aware** [KPF16]. **Priority-Preemptive** [IHM15]. **Privacy** [HK18]. **Proactive** [KBV⁺15]. **Probabilistic** [APS18, CKAP07, CB17, GQW19, KW16, KVMH08, BLR06, FZKS11]. **Probe** [Kha12, BC05]. **Probe-Wear** [Kha12]. **problem** [DPNB02, DS06, FNMS01, LVL03, NR01, PDN00, SW99, YWW10]. **problems** [SB98, WGDK07]. **Procedure** [Vah99]. **Process** [AKAKP18, GC18, LWZ⁺19, RJ14, VEO16, CS07, GM08, KTKO13, KPR06, LG12, LH13, LTPR⁺13]. **Process-in-memory** [LWZ⁺19]. **processes** [JB98]. **Processing** [BM11, GFJ16, LYL⁺19, MFHP12, HMGV13, JSG09, LPP00, NM13, TYH08, ZHOM08]. **Processor** [HKL⁺15, ISE08, LHLP16, LYHL14, LF12, NSH⁺16, NRZ⁺18, SPT⁺17, VLGG01, DHZ⁺11, GG04, Giv06, HGBH09, KBA08, LMB⁺12, OCSR07, PDN97, PDN00, RFB10, SGD10, WKR09]. **processor-based** [PDN00]. **Processors**

[CRC15, JZY15, KAKSP16, KLK⁺¹⁷, KLJ14, LPD⁺¹⁷, LHF12, TY19, BH10, CL99a, CPW04, Edw03, Hua01, KJR⁺⁰⁷, LJV02, LCD07, LB00, MD08, PHM00, RAKK12, SR12, TKVN07, LSV06]. **product** [DK08]. **production** [PKP⁺⁰³]. **profile** [ZS10]. **profiling** [THC⁺¹⁴]. **Program** [HKL⁺¹⁵, BGN⁺⁰⁷, RAKK12, WWC04]. **Programmable** [GHYR19, WSS⁺¹⁸, ZK15, CH02, CD96, LSPC14, MSD06, PTC05, PWY05, WV02]. **Programming** [ETAV18, KLSZ11, TZ17, ADDM⁺¹³, GH00, KLSZ09, KKJ⁺⁰⁸, TP08, WJYZ11]. **programming-based** [ADDM⁺¹³]. **Programs** [PMS15, SYHL14, EY12, Vah02, YWGI09]. **Progressive** [KC10]. **project** [WLT08]. **projective** [DL11]. **Prolonging** [AAA15]. **Proof** [IPWW17]. **Proof-Carrying** [IPWW17]. **Propagation** [MCD12, KPR06, RCD07, YH97]. **Properties** [CVMP19, HBPW14, RGT⁺¹⁴, BDC08, BH03, BFP08, BZ08]. **property** [KHP05]. **Protect** [MLH⁺¹⁷]. **protected** [LSDV10, RMB10]. **Protecting** [DFM15, GSFT16, YBS⁺¹⁸]. **Protection** [GDTF17, KHP05]. **protocol** [ADS⁺⁰⁹, BGM04, DP04]. **prototype** [APB⁺⁰⁸]. **Prototyping** [ARLJH06, ORGD⁺¹⁵, JDT⁺⁰⁸]. **Provably** [ADS⁺⁰⁹, Das09, YWK⁺⁰³]. **Provide** [KKLG15]. **Providing** [HC18]. **Proximity** [DZ18]. **pruning** [DHV⁺⁰⁰]. **PSL** [BZ08]. **PTM** [LLH⁺¹⁷]. **PUF** [NSCM17]. **PUFs** [HRK18]. **Push** [KMO⁺¹²]. **PV** [DZ18]. **PV-Aware** [DZ18]. **PVT** [PPDK09]. **PWM** [TWL16, WGT⁺¹⁷].

QoS [LYLW17]. **quad** [LBV⁺⁰⁶]. **quad-core** [LBV⁺⁰⁶]. **Quality** [BZWZ17, LKH19, Pom19b, BHW⁺¹³, XPSE12]. **Quality-Enhanced** [LKH19]. **Quantifying** [SGC⁺¹⁴, YRH11]. **quantitative** [LCOM07]. **Quantization** [GYT12]. **Queuing** [SSL17].

Race [BK10, HN07]. **Radio** [JDT⁺⁰⁸, JSG09]. **Radix** [BS14a]. **Rail** [VEO16]. **RAM** [LSL⁺¹³, SABS15]. **ramp** [KM97]. **Random** [BZWZ17, BS14b, JT98, KPR06, SXZV13, SNL12]. **Range** [MS17, CL13, LSPC14]. **Rapid** [EW18b, ORGD⁺¹⁵]. **Rare** [ZKS⁺¹⁶]. **Rare-Event** [ZKS⁺¹⁶]. **Rate** [LD17, MDG98, PB12, PHKW12, TY97]. **rates** [ACT13]. **Ratio** [WLLH16, Das04]. **RC** [KM97, VEO16]. **RDL** [Yan11]. **Reachable** [XLNB17]. **Reaction** [LHC16]. **Reactive** [ZABGZ17, PSL⁺⁹⁸]. **Read** [JSA18, PPP⁺¹⁵, WHXZ13]. **Real** [CHBK15, CH17, FG18, HXC⁺¹⁸, KPF16, NSH⁺¹⁶, PSNC18, SSC17, WDZG16, YRH11, ZLW⁺¹⁵, APB⁺⁰⁸, DRG98, HMVG13, MHQ07, PEPP06, PW99, WLL⁺¹¹, ZAZ13]. **Real-Time** [CHBK15, CH17, FG18, HXC⁺¹⁸, KPF16, NSH⁺¹⁶, PSNC18, SSC17, WDZG16, YRH11, ZLW⁺¹⁵, APB⁺⁰⁸, DRG98, HMVG13, MHQ07, PEPP06, PW99, WLL⁺¹¹, ZAZ13]. **realistic** [MFS09]. **Reality** [XLNB17]. **Realization** [ACFM12, CHHL96]. **reallocation** [ZYP09]. **realtime** [HG07]. **reassignment** [Yan08]. **ReChannel** [RHA08]. **Recognition** [GFJ16]. **recompilation** [GF10]. **Reconfigurable** [AVG19, BKW15, CPS16, EK16, JPHL16, MLC08, MRL⁺¹⁹, ORGD⁺¹⁵, SSC17, SVK17, ZLQ15, ARLJH06, GDG⁺⁰⁸, HBC⁺⁰⁸, HW14, JBC⁺¹⁰, KKMB02, KLSP11, LCK⁺⁰⁹, RHA08, WKR09, WLC02, YLP⁺¹³, YGH⁺¹⁰, YYLL09]. **Reconfiguration** [MCZ⁺¹⁶]. **reconfigurations** [RCG⁺⁰⁸]. **reconnections** [WC06]. **reconstruction** [Yan08]. **Recover** [BFV15]. **Recovering** [JCK⁺¹⁸]. **Recovery** [NSS⁺¹⁶, WL12, ZAZ13]. **Rectangle**

[Yan18]. **rectangular** [DSK01, Meh98]. **Rectilinear** [GC96, LLLL18, WCC03, LYKW09, MHD⁺04, MS00, OWH08]. **recursive** [LC96]. **Reduce** [CIX15, JK10, Pom16c]. **Reduced** [PAV17, AMM⁺06, SBH⁺06]. **reducible** [BC11]. **Reducing** [ASAP17, BFG⁺19, BWB14, HH09, Kan06, KLJ14, LYCP13, PR11, SYHL14, KTKO13, MB04, PGB01, TKVN07]. **Reduction** [ABC⁺17, BDB12, FLWW02, PTC⁺15, WB16, WDLD17, CFHM09, CCW08, DK08, ETR07, GF10, HLHT08, KYN⁺12, LCC11, LLHT12, LCJ⁺10, NT05, RMKP03, SY07, SBH⁺06, SPMS02, TY97, WVYG99, YHL⁺11, YWK⁺03, YLL06]. **Redundancy** [JLK15, CMNQ08]. **Redundant** [KMO⁺12, PGB01]. **reference** [AOC02, SM00]. **refinement** [CLM⁺10, GGB97, MS08, MOZ06]. **refit** [DVA02]. **refresh** [LSL⁺13]. **Region** [BZWZ17]. **Regions** [JCK⁺18]. **Register** [GF10, HWCL15, LHF12, MHF96, TLCF16, WKL⁺18, XLL⁺16, CACS05, CFX09, HCN09, KI01, KNDK96, LWK11, VKKR02, ZYP09]. **register-file** [CFX09]. **registers** [CL99a]. **Regression** [BBD00]. **Regression-based** [BBD00]. **Regular** [XYG⁺16, CH13]. **regulation** [ZLL13]. **Reinforcement** [PJL14, STL⁺13]. **Relaxation** [LGGJ14]. **Release** [SZB17, YP10]. **Reliability** [APS18, CET16, CCK⁺18, KMO⁺12, LHJ12, PPP⁺15, RMB10, TK18, XLY⁺18, GS13, JS13, KVMH08, LH13, ZAZ13]. **Reliability-Aware** [CET16]. **Reliability-Driven** [LHJ12]. **Reliable** [BJX15, GC18, JPCJ06, MACV14, XCF18, XNZ⁺15]. **relocation** [LLLC13]. **Remote** [CRT19, KOO18, KC10]. **Removal** [MGR⁺15, CMNQ08]. **reorder** [WPHL08]. **Reordering** [WC10, GFC⁺09, Hua01, PR96]. **Reorganizing** [JCK⁺18]. **Repair** [KMO⁺12, PSNC18, MRMP08, NR03]. **Repairable** [KMO⁺12]. **repeating** [LWC07]. **Replacement** [JCK⁺18, CCW08]. **Replay** [ZLQ15, EY12]. **Replication** [DFM15]. **representation** [CCQ98, YYC09]. **Representations** [KQP⁺19, YCCG03]. **Representative** [FYCT15]. **request** [Wu09]. **Requests** [CIX15, AHAKP08]. **Requirement** [XLY⁺18, KCA04]. **Requirements** [Pie16, SL18, Meh98, MB04]. **ReSC** [YFT18]. **rescheduling** [GK14]. **Research** [BRCS18, MRL⁺19, XFJ⁺16]. **reseeding** [KJT04]. **Reservation** [HC18]. **Reserved** [KKLG15]. **reset** [SPA⁺03]. **Residential** [VA17a]. **Residue** [MGR⁺15]. **Resilience** [LWC18]. **Resilient** [BJX15, BC16, CRC15, KKL15]. **Resistance** [KYL16]. **Resistant** [Kha12]. **Resistive** [EBR⁺09, LWZ⁺19, TLCF16, XNZ⁺15, LLQ⁺03, SKCM06]. **resolving** [Das09]. **Resource** [CET16, DK08, FS13, HC17, KK14, LF12, TCL14, WG11, WGS16, BDB98, CFX09, HLKN07, Kuc03, LSDV10, MKK13, MJM11, NR01, WGDK07, YWW10, ZHOM08, KMR18]. **Resource-aware** [FS13]. **Resource-constrained** [WG11, LSDV10, NR01, ZHOM08]. **Resources** [JNS⁺17, PGB01]. **Response** [CH17, PMS15, SSO16, DC07, SCJ01]. **Responses** [XCW12]. **Restore** [ZZCY17]. **results** [AYM05]. **Retargetable** [PHM00, AMR00, KKJ⁺08, VLG01]. **Retargeting** [DZ18, WJYZ11]. **reticle** [WLT08]. **Retiming** [BOC00, HMB98, HLHT08, SSP04, Zho08]. **Retiming-based** [BOC00]. **Retracing** [LLLL18]. **Reuse** [AC06, BFP08, IBMD07, LSPC14, RSR01, VCLD03]. **Reusing** [CCL04]. **Reverse** [CM18, GDTF17, WSS⁺18]. **reversible** [MDM07]. **Review** [IE12]. **revisited** [RS98, SDP⁺09]. **Revisiting** [GWR13, ZSY18]. **Revitalized** [PCT⁺17].

Rewarding [TEK18]. **Rewiring** [LTYW12, CMB07]. **rewriting** [ARLJH06]. **rewriting-logic** [ARLJH06]. **RF** [BBEM15, HCZ⁺16]. **RF-Interconnect** [HCZ⁺16]. **RFID** [DTC⁺09, YFT18, YBS⁺18]. **RFID-Enabled** [YFT18]. **rhythms** [GS13]. **right** [MR96]. **ring** [GK07, GK09]. **Ripple** [HWGY16]. **rISAs** [SBH⁺06]. **RISC** [HV98, ZBPF18]. **risk** [DS05]. **river** [ZW98]. **RL** [NT05]. **RL-Huffman** [NT05]. **RLC** [MN17]. **Robust** [BJX15, DZ18, GCZ⁺15, MCD12, STGR15, TLCF16, ZK15, CLYP09, ST99]. **rotary** [TDF⁺09]. **Routability** [AMM⁺18, HWGY16, THL⁺13, ZSY18, CLYP09, HSA⁺04, SYZ08, WSV⁺14, YCHT00]. **Routability-Driven** [AMM⁺18, HWGY16, ZSY18]. **Routable** [LCYN18]. **Router** [TCL14, XS16, CLYP09, JCGP05, MLC08, TDF⁺09, wATkK02]. **Routers** [JM14]. **Routing** [GKM05, JD18, LHJ12, LLLL18, LKC⁺18, MCZ⁺16, RGM15, TZ17, WLLH16, XYG⁺16, Yan18, CZW00, CKKT98, DSKB04, DVA02, GMN⁺13, LLKC13, LCC11, LCJ⁺10, MW97, OW06, OWH08, RL13, SMYH07, Yan00, YW09, Yan11, YMC⁺13, YCHT00, ZW98, ZHTC09]. **Routing-aware** [GKM05]. **Routing-Based** [LLLL18]. **Row** [SAL19, LC13]. **row-based** [LC13]. **Row-Buffer** [SAL19]. **RTGC** [ZLW⁺15]. **RTL** [BK00, BBD00, BFP08, BFV15, Fuj05, GS00, LV14, PGB01, PSK08, XK97]. **Rule** [KMO⁺12, MS17, RS98]. **Run** [DP02, HMLL11]. **Run-time** [DP02, HMLL11]. **Runtime** [BHW⁺13, LL15, NRZ⁺18, ADDM⁺13, GFC⁺09, GDG⁺08, HW14, RCG⁺08, SKS12, WJY⁺07, YGH⁺10]. **runtime-reconfigurable** [GDG⁺08]. **safe** [ZMTC13]. **Safety** [MN17, XLY⁺18, MS08]. **Salsa20** [MAS16]. **Sample** [PGCB16, ZKS⁺16]. **Sampling** [WTR12, ZYW⁺18]. **SAT** [CLM⁺10, Che18, CYV⁺14, DP02, RCD07, SGK08]. **SAT-based** [CLM⁺10, SGK08]. **Satisfiability** [BR12, GMSSS02, PG15, GPK⁺09, HSA⁺04]. **satisfying** [QS09]. **saturation** [CCL03]. **saving** [HW00]. **Savings** [LKH19]. **Scalable** [AA17, KLK⁺17, PJJ14, SESN15, SKM⁺16, HG07, KCKG13, SBC08, SBGD13, WSV⁺14]. **Scalable-Throughput** [SESN15]. **Scale** [HC17, LYL⁺19, YVC14, CSX⁺05, HCK13, KBA08]. **Scaled** [PHKW12]. **Scaling** [GC18, HC17, HHL14, LV14, WGS16, IAI⁺09, KSA⁺10, ML09]. **Scaling-Aware** [HC17]. **Scan** [BKW15, KMO⁺12, LWC07, LWK11, Pom16b, Pom16c, Pom17b, WC10, WWW⁺12, XCW12, DDFR13, GKM05, KBN09, NT05, PR09, PR11, RMKP03, SSGS03, TYH08, WPHL08]. **Scan-based** [LWK11, KBN09, PR09]. **Scan-BIST** [LWC07]. **Scan-Cell** [WC10]. **Scan-In** [Pom16c]. **Scan-Shift** [WC10]. **scanline** [CT13]. **Scenario** [DCK09, EK16, KW16, GPH⁺09]. **Scenario-Aware** [KW16]. **Scenario-based** [DCK09]. **Scenarios** [NRZ⁺18, SPG⁺08]. **Schedulability** [GDG⁺08]. **Schedule** [SGC⁺14]. **Scheduler** [NSH⁺16, JP08]. **schedules** [DSRV02, LC96]. **Scheduling** [ABC⁺17, BB17, BDBB19, CACS05, CIX15, JOH17, LHW97, PMS15, SSC17, SAL19, SZB17, WCB15, WDZG16, WWCT18, CLM⁺10, CJLZ11, DS05, DHV⁺00, GBC07, HN07, JR97, KW02, Kuc03, LLHT03, MKBS05, MJM11, MHQ07, MR05, MWG97, NR01, RCG⁺08, SXX⁺06, TC98, WH05, WGDk07, YWW10, YGH⁺10, YYLL09]. **schematic** [KG09]. **Scheme** [BM11, KKLg15, KLK⁺17, LTYW12, WHRC12, XS16, HCK13, KSA⁺10, XLCL13]. **Schemes** [MGR⁺15, CSC08, KCKG13].

Score [XLL⁺16]. **scratch** [IBMD07]. **scratch-pad** [IBMD07]. **Scratchpad** [CPS16, DFM15, BD14]. **Scrubbing** [SVK17]. **Search** [VCLD03, CMB07, DVA02, YWW10]. **search-based** [DVA02]. **Searching** [DK16, SYZ08]. **Section** [BMdG17, CO18, KLSZ11, YD16, CH10a, CLQ12, HJ08, JW08, KLSZ09, MD13, RBA⁺12]. **Secure** [BHK17, HBC⁺08, ISE08, HRK18]. **Security** [GQW19, HMO⁺14, LHL16, LZSSV15, LMS16, MPM⁺17, NSCM17, TK18, YSF⁺18, DP04, IAI⁺09]. **Security-Aware** [LZSSV15, LMS16]. **Seeds** [Pom17a]. **Segment** [WL12]. **Segment-Based** [WL12]. **Segmented** [HSA⁺04, JWL⁺03, YCHT00]. **Select** [Pom18a]. **Selection** [AKAKP18, CV17, FYCT15, GC18, JM14, KPF16, STJG16, ZKS⁺16, CGN96, CCC09b, LB00, PMB10, VLGG01, XLCL13]. **Selective** [Mut09, NRDB19, LCT03, WY06]. **selectively** [BD00]. **selectively-clocked** [BD00]. **Self** [CRT19, EO19, SBB⁺18, WCB15, XYG⁺16, SEN05, SZV⁺12]. **Self-Aligned** [XYG⁺16]. **Self-Measurement** [CRT19]. **Self-Test** [EO19, SBB⁺18, WCB15]. **self-testing** [SEN05]. **self-tuning** [SZV⁺12]. **Semantic** [Pie16]. **Semantics** [KC98]. **sensing** [LTH99, WJY⁺07]. **Sensitive** [YBS⁺18]. **sensitivity** [LON08, PMB10, ST99]. **Sensor** [NSS⁺16, PDS12, ZHC⁺18, DHZ⁺11, JSG09, LCK⁺09, RFB10, ZSZ10]. **sensor-driven** [ZSZ10]. **Sensors** [FG18, YHL⁺11]. **Separation** [EK16]. **sequence** [GF06, LC07, MMP00]. **Sequences** [Pom15b, Pom15c, Pom17b, Pom18a, KT01, LWC07, PL03, PR11]. **Sequential** [LVS16, LD17, SPA⁺03, WKC12, BLR06, BOC00, Che96, CPR⁺02, Edw03, HVF⁺01, HRP00, HCC01, JB98, KT96, KOS09, MMP00, PL98, SNH02, Vah02, YWGI09]. **sequentially** [LIA00]. **SER** [LD17]. **Serial** [PMP17]. **Serialized** [KH10]. **Series** [TW96]. **Series-parallel** [TW96]. **server** [dW97]. **servers** [ANR13]. **Service** [DKZ⁺15, AHAKP08, CBR⁺05]. **Service-Level** [DKZ⁺15]. **Set** [HKL⁺15, LPD⁺17, LHF12, LF12, MCD12, OT15, Pom19b, DPNB02, Hua01, LP03, LCD07, LLYW10]. **Sets** [Pom16b, YRH11, PR07, TCP97]. **SEU** [JLF⁺12]. **SHAIP** [HRK18]. **Shannon** [GBR07]. **shaped** [Meh98]. **shapes** [LM96]. **Shaping** [KLK⁺17]. **Shared** [KLJ14, ZAZ13]. **Sharing** [LF12, TCL14, WGS16, BDB98, DK08, SHLL98]. **shield** [LXCH04]. **shielding** [Mut09]. **Shift** [PTC⁺15, WC10, WWW⁺12, LWK11, WPHL08]. **shifter** [Kag05]. **short** [SSP04]. **short-path** [SSP04]. **Shuffling** [HHK⁺17, KJR⁺07]. **shutdown** [HW00]. **SID** [LHK⁺15]. **SID-Based** [LHK⁺15]. **Side** [DZS⁺18, ZBPF18]. **Side-Channel** [DZS⁺18, ZBPF18]. **Sigma** [ZYW⁺18]. **Signal** [MFHP12, STGR15, WGT⁺17, ZSY18, CPW04, LLLC13, SR12, TYH08, XZC09]. **signal-integrity** [XZC09]. **Signals** [Yan16, MKW08]. **Silicon** [HAB⁺17]. **Similarity** [YRH11]. **Simplifying** [HA05]. **Simulated** [ZYS12, SMYH07]. **simulating** [RHA08]. **Simulation** [CDB11, EKS⁺14, EO19, GDPRG11, HBPW14, HIW15, HPB11, IHM15, MDM⁺12, PRCK08, ST99, SKM⁺16, WWFT12, ZWD11, CVMP19, DCK10, DL11, HVF⁺01, HKB⁺07, KMC97, LOC12, PTC05, PHM00, RSR01, WTL⁺13]. **Simulation-Based** [EO19, PRCK08, LOC12]. **Simulations** [LS11]. **Simulator** [LHK⁺15, FWCL05, EBR⁺09]. **simulators** [RPKC05]. **Simultaneous** [CC06, CYV⁺14, CFX09, JK10, LXCH04, SM00, CCX06, CCW08, CW01, MRC06, YHH09]. **simultaneously** [HLCH07, SSP04]. **Single** [BD14, HCW⁺16, KRL15, SKS⁺18, SSL17,

VEO16, PTC05, VJBC07, YW09]. **Single-**
 [SKS⁺18]. **Single-Chip** [BD14, PTC05].
single-detour [YW09]. **Single-Electron**
 [HCW⁺16]. **Single-Event** [KRL15].
Single-Inverter-Based [VEO16].
Single-Tier [SSL17]. **Situ** [SL18]. **Size**
 [KCKG16, YVC14, ZLG⁺19, AMR00, AM05,
 FNMS01, HH09, HKV⁺07, LDK99, LH09,
 SBH⁺06]. **Sizing**
 [DZ18, KKS16, LGGJ14, SV16, ZLL⁺16,
 CW01, HR06, LG12, MLG12, RGM09, SC00].
Skew [CHH09, CKKT98, HN07, HTCP13,
 LLHT12, LT11, wATkK02]. **Skew-aware**
 [CHH09]. **Skewed**
 [Pom19a, CSKR05, Pom14b]. **Skewed-Load**
 [Pom19a, Pom14b]. **Slack**
 [ASAP17, NRZ⁺18, CGN96, KSA⁺10].
Slack-Based [ASAP17, KSA⁺10]. **Slacks**
 [PSNC18]. **Sleeping** [TEK18]. **Slew**
 [WCCC14]. **Slicible** [DSK01]. **SLO** [HC18].
slow [NS03]. **slow-speed** [NS03]. **Small**
 [WGT⁺17, XLCL13]. **small-delay**
 [XLCL13]. **Small-Signal** [WGT⁺17].
Smart [HXC⁺18, HK18, SKM⁺16, YMB15,
 ZHC⁺18, JS13]. **Smart-Gateway**
 [HXC⁺18]. **Smart-Grid** [HXC⁺18].
SmartCap [LYHL14]. **Smartphone**
 [LYHL14]. **Smartphones** [LYLW17]. **SMS**
 [SBR⁺17]. **SMT** [AA17]. **SMT-Based**
 [AA17]. **Snoop** [PCT⁺17, ZYDP08]. **SoC**
 [HZS⁺19, GM03, GDF09, XZC09, BHW⁺13,
 DCK10, Kan06, LLH⁺17, LCL08, MOZ06,
 SBC08, TCL14, WLCJ09]. **SOC-based**
 [GDF09]. **SoCDAL** [AHL⁺08]. **SOCs**
 [MSD06, BM11, JHMGS18, JPHL16, ZM07].
Soft [DFM15, LD17, PHKW12, TLCF16,
 QS09, RJBS09]. **Soft-Error** [TLCF16].
Soft-Error-Rate [LD17]. **Software**
 [BM11, JHMGS18, KMR18, LLP⁺16, LHF12,
 THT12, YYL⁺15, AMO05, BASB01, CMM00,
 CACS05, CM13, FHHG12, GGB97, HKL⁺07,
 JW08, KSK⁺05, KTKO13, LMW99, LP07,
 LVL03, MSD06, ML09, NG06, SS11,
 WYIG07, WJY⁺07, YWGI09, YGH⁺10].

Software-Defined [JHMGS18]. **Solid**
 [CCS15, CD09, CCYC14]. **Solid-State**
 [CCS15, CCYC14]. **solid-state-disk** [CD09].
Solution [GSFT16, JNS⁺17, YFT17,
 YFT18, FNMS01, SR12]. **solutions**
 [CW01, NR01]. **solvers** [DP02, QSK12].
Solving [CYV⁺14, WGDK07]. **Some**
 [KAKSP16]. **SOPs** [BCC08]. **Sorting**
 [ZMP16, Yan00]. **Source**
 [YKCG14, BCR⁺08, KRK98, ZYZ⁺13].
source-level [KRK98].
Source-Synchronous [YKCG14]. **Sources**
 [DHB16, CH96]. **Space**
 [AKAKP18, GCZ⁺15, RS18, Sch17,
 APB⁺08, ARLJH06, BW00, EK97, JP08,
 KSS⁺09, SW12, VCLD03]. **space-efficient**
 [ARLJH06]. **spaces** [BC11]. **spacing**
 [MKW09]. **spare** [ACT13]. **Spatial**
 [GFC⁺09, Das09]. **Spatio** [SSC17].
Spatio-Temporal [SSC17]. **Special**
 [BJX15, BMdG17, CO18, KLSZ11, TK18,
 YD16, BC08, CH10a, CLQ12, HJ08, JW08,
 KLSZ09, LP07, MD13, Ped06, RBA⁺12].
specialization [ADM⁺13]. **specialized**
 [BC08]. **Specific** [HKL⁺15, HCZ⁺16,
 LPD⁺17, LHF12, LF12, RCK⁺15, TCL14,
 VA17a, ACT13, CSC08, SCV06, WKR09].
Specification [HZS⁺19, HV98, MD08,
 VS12a, BD00, BGM04, HV07].
Specification-driven [MD08].
Specifications [Pie16, CMM00, DDNAV04,
 MB04, VKKR02]. **Spectral** [KOO18, TN99].
spectral-based [TN99]. **Speculative**
 [NRDB19]. **Speed** [CK16, PTC⁺15,
 TPC⁺17, NS03, OW06, SXZV13]. **Speeding**
 [CLM⁺10]. **Speeding-up** [CLM⁺10].
Speedup [Che18, KAKSP16]. **Speedups**
 [GDTG07]. **Spill** [LHF12]. **SPMCloud**
 [BD14]. **SQLite** [LLP⁺16]. **SRAM**
 [CCC⁺09a, HHL14, JLF⁺12, NdLCR03,
 ZYW⁺18]. **SRAM-based** [JLF⁺12].
SRAM/71mW [CCC⁺09a]. **SRAMs**
 [RM09]. **SSAGA** [SBR⁺17]. **SSD**
 [WHXZ13]. **SSDs** [GSD⁺18, HC18]. **SSER**

[PHKW12]. **Stability** [HHL14]. **Stack** [WDZG16]. **Stacked** [SYX12, THM15, LHZ⁺06]. **Stage** [LZ17, KSA⁺10]. **stages** [SYL09]. **staircases** [MSKBD07]. **Stairway** [MHD⁺04]. **Standard** [ACF⁺11, DBK⁺18, KRL15, TRM⁺16, PR09, SSCS10, TS96]. **Standard-Cell** [DBK⁺18, SSCS10]. **standard-scan** [PR09]. **Start** [ZLY⁺15]. **State** [AVG19, CCS15, CK16, Pom15a, BDC08, CD09, CCYC14, CK96, CHHL96, HRP00, Pom14a, SNH02]. **State-Based** [AVG19]. **States** [Pom16c, LIA00]. **Static** [BDB12, ETAV18, LV14, Pom15b, ZFLS11, DH06, EMO03]. **Statically** [KKLG15]. **Statistical** [BBEM15, CV17, JGM14, KPR06, PHKW12, SV16, STWX12, XT16, ZKS⁺16]. **statistics** [SNH02, SXZV13]. **steering** [HKV⁺07]. **Steiner** [CKKT98, GC96, HGLC16, LLLL18, LYKW09, SMYH07, Yan08]. **Steiner-point** [Yan08]. **Stencil** [YYG⁺16]. **Step** [HGLC16, Vah02]. **stimuli** [MFS09]. **Stimulus** [CYV⁺14, LV14, BLR06, PKP⁺03]. **stimulus-free** [BLR06]. **stitching** [Meh98]. **Stochastic** [GLY⁺12, MMP00, GBC07, NM13]. **Stopper** [PCT⁺17]. **Storage** [BD14, CCH⁺15a, Kha12, KCA04, WQC⁺16, ZLW⁺15, BD08, Meh98, Wu09]. **storages** [HCK13]. **Straightforward** [LH09]. **Strategies** [JM14, XLS15]. **Strategy** [KKHK16, ADDM⁺13]. **stream** [LWK11, NM13]. **Streaming** [RS18, TY19, ZLL⁺16, ZMP16, FHHG12, KSS⁺09, WLL⁺11]. **striping** [CCYC14]. **Structural** [CML98, CH00, AYM05, CL99a, HA05, VLH98]. **Structure** [KKHK16, FWCL05]. **structured** [THL⁺13]. **structures** [BK00, DDFR13, GMN⁺13, Hua01, Meh98]. **STT** [JZYZ15, LSL⁺13, SABSA15, WSS⁺18]. **STT-RAM** [SABSA15]. **Stuck** [TPC⁺17, HVF⁺01, PR09]. **Stuck-At** [TPC⁺17, HVF⁺01, PR09]. **Study** [LLP⁺16, LC13, MLG12]. **Style** [CFD⁺16]. **Styles** [LCYN18]. **Sub** [BFL10]. **Sub-45nm** [BFL10]. **sub-threshold** [SHN12]. **subGraph** [YYC07]. **subnetworks** [TDF⁺09]. **substrate** [LCJ⁺10, SKCM06]. **substrates** [SKCM06]. **subsystems** [JSG09]. **Subthreshold** [BFL10]. **Successive** [HWCL15]. **Successive-Approximation-Register** [HWCL15]. **sum** [DK08]. **sum-of-product** [DK08]. **SUPERB** [EBR⁺09]. **Supply** [BM11, JLK15, WCCC14, YFT17, YSF⁺18, YFT18, YBS⁺18, JR97, LLHT12, WLCJ09]. **Support** [MCZ⁺16, WKL⁺18, ZP08]. **Supporting** [LYL⁺19, ZLL⁺16]. **Supports** [MLH⁺17]. **Suppressed** [BC16]. **Survey** [BFG17a, BRCS18, Mit16, MRL⁺19, RJ14, BD97, CEB06, KG99, KP13, SW04]. **survivability** [ACT13]. **suspect** [DNA⁺12]. **Suspension** [NSH⁺16]. **Sustainable** [CXH⁺16]. **SW** [ADP⁺07, BFV15, FLPP09, WWFT12]. **Swarm** [HLG⁺15]. **switch** [CWW96, CZW⁺03, FLW02, FLWC07, RFYL98, THL⁺13, ZHTC09]. **switchboxes** [DSKB04]. **switched** [CSC08, HWCL13]. **switched-capacitor** [HWCL13]. **Switching** [AVG19, GSS14, SRC15, BLR06, HCN09, PR11, SXX⁺06]. **switching-activity** [SXX⁺06]. **Symbolic** [BDM⁺99, BFG17b, MCD12, SHD17, BLM00, FWCL05, KVMH08, YWGI09]. **Symbolic-Event-Propagation-Based** [MCD12]. **symmetric** [IAI⁺09]. **symmetrical** [CZW00]. **symmetries** [CMB07]. **Synchronizing** [MDM⁺12]. **Synchronous** [CH17, HPB11, PMS15, WWW⁺12, YKCG14, ZABGZ17, BDM⁺99, BASB01, CACS05, CPR⁺02, HKB⁺07, MB04]. **SynergyFlow** [LYL⁺19]. **Synthesis**

[AA17, BR12, BD00, CSKR05, CET16, CLMZ10, CCL03, EO19, GBR07, HS18, HMVG13, HCZ⁺¹⁶, KK14, KKK12, KKS16, LS17, NG06, PDS12, PG15, QSW⁺¹⁵, RJ14, Sch17, SGC⁺¹⁴, SS14, SGGR14, SV11, SCCH08, WCCC14, YMB15, ADS⁺⁰⁹, BDM⁺⁹⁹, BZ08, CLLK06, CMM00, CBMM10, CL99b, CD96, DDNAV04, FHHG12, GG99, GOC02, GH00, GGDN04, GWR13, HLKN07, HCLC98, Hsi01, HLHT08, Hua01, JLF⁺¹², KSS⁺⁰⁹, KKH⁺⁰², KK11, KW02, KHP05, KFH⁺⁰⁸, LCD07, LC14, Lin97, LLHT12, LWH06, MMP00, MDM07, MKBS05, MJM11, MRC06, PBSV⁺⁰⁶, RFYL98, RS03, SW12, SCB01, SV07, TN99, TC98, VLH98, VKT02, VKKR02, WV02, WG11, WKR09, XK97, XPSE12, YWW10].

Synthesized [SBR⁺¹⁷]. **Synthesizing** [GSS14]. **synthetic** [PSK08]. **System** [BdM00, CH17, DMR10, GM08, GPH⁺⁰⁹, HKL⁺¹⁵, HZS⁺¹⁹, LL15, LG18, NRZ⁺¹⁸, PDS12, PPDK09, Pie16, PBSV⁺⁰⁶, SL18, SGGR14, TK18, WL12, YYG⁺¹⁶, ZHM07, APB⁺⁰⁸, BPRR98, BMJ13, Cha01, CKAP07, CSC08, DC07, GG99, GABP00, HGBH09, HMVG13, HW00, LTH99, LCC11, MOZ06, MPSJ07, OCRS07, Ped06, SPG⁺⁰⁸, Sen11, Vah99, ZLL13, dW97, AHL⁺⁰⁸, LVL03, WLL⁺¹¹]. **System-Level** [HKL⁺¹⁵, LL15, LG18, PDS12, Pie16, BdM00, GM08, PPDK09, ZHM07, MOZ06, OCRS07, Ped06, Sen11, Vah99, ZLL13]. **system-on-a-chip** [Cha01, CKAP07]. **System-on-Chip** [HZS⁺¹⁹, SGGR14, APB⁺⁰⁸, BMJ13, CSC08, WLL⁺¹¹, AHL⁺⁰⁸]. **System-scenario-based** [GPH⁺⁰⁹]. **Systematic** [AMM⁺⁰⁶, KPR06, RPKC05]. **SystemC** [BK10, CVMP19, HV07, WWFT12, RHA08]. **SystemC-AMS** [CVMP19]. **SystemCoDesigner** [KSS⁺⁰⁹]. **SystemJ** [MSR09, SPT⁺¹⁷]. **Systems** [BHK17, BLNK14, BJX15, BB17, BS14c, CH10a, CCH^{+15a}, CHBK15, CYH19, DFM15, EAP17, HK18, IGN18, KLSZ09, KC10, KMR18, LL15, LHK⁺¹⁵, LZSV15, LMA⁺¹⁶, MRL⁺¹⁹, NSH⁺¹⁶, ORGD⁺¹⁵, PPP⁺¹⁵, PSNC18, PG15, PBZM19, QBTM16, SSC17, SPT⁺¹⁷, STWX12, SS14, SAL19, THT12, WHRC12, WQC⁺¹⁶, XPZ⁺¹⁸, YRH11, ZLW⁺¹⁵, ADM⁺¹³, AM10, ADDM⁺¹³, ARLJH06, BD00, BWB14, CSAHR07, CMM00, CSL⁺⁰⁷, Con06, CLQ12, CCL04, DCK07, DRG98, DDNAV04, DTC⁺⁰⁹, GDTG07, GPH⁺⁰⁹, GDF09, HKL⁺⁰⁷, HV07, HDL⁺¹², HCLC98, Hsi00, HBC⁺⁰⁸, JS13, JWL⁺⁰³, JW08, KKMB02, KC13, KP13, KFH⁺⁰⁸, LCZ⁺⁰⁸, LCK⁺⁰⁹, LSDV10, LDK99, LP07, MBB01, MDG98, MHQ07, ML09, OKC08, PDN00, PCD⁺⁰¹, PSL⁺⁹⁸, Ped11, PEPP06, QCS09, Rak09, RSR01, SCB01, SLXZ12, SUC01, SHN12, SS11, SZV⁺¹², THC⁺¹⁴, Wol96, Wu09, ZAJ⁺¹², ZP08, SN10, CPX14].

Systems-on-Chip [BHK17, HDL⁺¹², KP13]. **SystemVerilog** [CYV⁺¹⁴].

T [YYC09]. **T-trees** [YYC09]. **table** [WSEA99]. **table-based** [WSEA99]. **tables** [CH02, YTHC97]. **Tag** [YBS⁺¹⁸]. **tagged** [ZP08]. **Tailoring** [CSC08]. **Tandem** [MSR09]. **Tapered** [KKHK16]. **Target** [KYL16, FS13]. **Targeted** [SNL12]. **Targeting** [LPD⁺¹⁷, JBC⁺¹⁰, MLMM08]. **Task** [LMA⁺¹⁶, SZB17, DCK07, GK14, GBC07, YYLL09]. **Tasks** [CH17, SSC17]. **taxonomy** [KP13]. **TCONMAP** [HABS15]. **tdf** [ZMTC13]. **Technique** [CV17, JK10, LGGJ14, SBB⁺¹⁸, DHV⁺⁰⁰, HLCH07, IBMD07, KI01, LC96, MB04, Mut09, RSR01]. **Techniques** [MDM07, Mit16, PTC⁺¹⁵, TWL16, WSV⁺¹⁴, YD16, AM05, BD97, BdM00, BH10, BASB01, CLM⁺¹⁰, CSAHR07, CACS05, CFHM09, DS06, DD02, HPK99, HCS01, HCC01, KSK⁺⁰⁵, KMS12, KHP05,

LSDV10, LB00, LHW97, LHCT05, LVL03, OCRS07, OK08, PCD⁺01, RJBS09, TY97, TBZ13, TYH08, VMP⁺00, XK97, ZHOM08]. **Technologies** [SN10, BC08]. **Technology** [BFL10, CHY05, DKT⁺16, DBK⁺18, HABS15, JZYZ15, SABSAS15, YD16, ZS02, BLM00, CH02, CH00, KL05, LKM04, PL98, WY06, WSEA99, ZLL13]. **technology-dependent** [BLM00]. **Technology-Driven** [DKT⁺16]. **TEI** [LHW⁺17]. **TEI-power** [LHW⁺17]. **Temperature** [JGM14, LHW⁺17, ZYP09, ADP⁺07, CLQ12, DH06, WJY⁺07]. **Temperature-aware** [ZYP09, ADP⁺07, CLQ12]. **template** [HGBH09]. **Temporal** [Pie16, SSC17, YYC07, BD05, Das09, YYC09]. **Temporally** [PRCK08]. **terminals** [ISE08]. **Test** [AYM05, BDBB19, EMO03, EO19, GF06, IE12, LCT03, MCD12, NSCM17, Pom15a, Pom15b, Pom15c, Pom16b, Pom16c, Pom17a, PAV17, Pom18a, Pom19b, RJ14, SBB⁺18, TBZ13, WCB15, WWCT18, WC10, WWW⁺12, XCW12, XLCL13, BC05, BWB14, Cha01, Che96, CCL04, ETR07, FNMS01, GM03, HLKN07, HRP00, HJ08, KT01, LTH99, MD08, NCP01, NT05, PR98, PR07, PR11, QM12, RMKP03, SW04, SBC08, SEN05, SNL12, TCP97, TD03, WPHL08, WWC04, XZC09, ZMTC13, SSGS03]. **Test-Architecture** [WWCT18, XZC09]. **Testability** [Pom16a, Pom18a, FRS97, PSK08, Pom14a, SCJ01]. **Testable** [GBR07, RMPJ08]. **testbenches** [BFP08]. **testers** [NS03, SBC08]. **Testing** [NS03, PTC⁺15, TPC⁺17, WWCT18, WWW⁺12, XCW12, XS16, XCF18, JT98, KBN09, LHCT05, PKP⁺03, SEN05, SXZV13, SCJ01, SOC06, TD03, XZC09]. **Tests** [Pom15a, Pom16a, Pom16c, Pom18b, Pom19a, Pom19b, DNA⁺12, PR09, Pom13, Pom14a, Pom14b]. **text** [LDK99]. **text-compression-based** [LDK99]. **Their** [MLH⁺17, DSK01]. **theoretic** [HR06]. **theoretical** [SB98]. **Theories** [PG15, YW09]. **Theory** [MDM⁺12, JWL⁺03]. **Thermal** [CLT⁺15, CXH⁺16, CVMP19, CR12, DCK10, JGM14, LCK⁺09, LHW⁺17, LDD⁺18, MDR15, WMT⁺16, ZHC⁺18, ADDM⁺13, ANR13, GK14, LH13, LHZ⁺06, LTPT10, QSK12, WTL⁺13, WJY⁺07, YHH09, ZAJ⁺12, ZSZ10]. **Thermal-Aware** [SYX12]. **thermal-oriented** [LHZ⁺06]. **Thermal-Sensor-Based** [ZHC⁺18]. **Thermally** [RGM15]. **thermodynamic** [VLH04]. **Things** [TK18]. **Thread** [CNQ13, SV11, KBA08]. **Thread-based** [CNQ13]. **threaded** [HC17]. **Three** [KQP⁺19, RGM15, Yan00, Vah02, YYC07, YYC09]. **Three-Dimensional** [RGM15, KQP⁺19, YYC07, YYC09]. **Three-layer** [Yan00]. **three-step** [Vah02]. **Threshold** [DHVW18, SV16, SHN12]. **Throughput** [HCRK11, HIW15, KLJ14, SESN15, CJLZ11, GM08, SKS12, SHN12]. **throughput-aware** [SKS12]. **Throughput-Optimized** [HCRK11]. **Tier** [SSL17]. **tightly** [LMB⁺12]. **tightly-coupled** [LMB⁺12]. **Tightness** [APS18]. **Tiled** [DK16]. **Tiled-DNUCA** [DK16]. **Time** [APDC17, BB17, CHBK15, CH17, FG18, HXC⁺18, IGN18, KPF16, NSH⁺16, PSNC18, SSC17, WDZG16, YRH11, ZLW⁺15, ZZCY17, APB⁺08, ARLJH06, CSAHR07, DP02, DRG98, HMLL11, HLKN07, HVMG13, KNRK06, LCHT02, LTPR⁺13, MR96, MHQ07, NG06, PEPP06, PW99, SCB01, WGDK07, WLL⁺11, ZAZ13]. **time-**[ARLJH06]. **time-constrained** [NG06, SCB01]. **time-constraints** [CSAHR07]. **time-domain** [LTPR⁺13]. **Time-Triggered** [BB17, IGN18]. **time/resource** [WGDK07]. **Times** [PMS15]. **Timing** [CZW00, CB17, HIW15, HS19, JNCS19, KKK12, LVS16, LJ18, LWC18, LYCP17, LNG⁺16, MJM11,

MKW08, WSH⁺18, WKC12, WL12, Yan08, YRH11, DCK09, DRG98, DH06, KPSW09, KPR06, KC98, LC14, LCHT02, MCMW08, QS09, SXX⁺06, SCCH08, YHL⁺11].
Timing-aware [MKW08]. **Timing-Driven** [LNG⁺16, CZW00, Yan08, DRG98].
timing-error [SCCH08]. **Timing-Yield** [WSH⁺18]. **TinyOS** [RFB10]. **TLB** [KSK⁺05]. **TLM** [BFP08]. **TLM-to-RTL** [BFP08]. **TODAES** [CH10a, KLSZ09, BC08, GK09, QS11, TK18].
Toffoli [MDM07]. **Toggles** [TPC⁺17].
Tolerance [GVJ15]. **Tolerant** [CYH19, LW17, XCF18, CEB06, NdLCR03, SC06].
tolerate [SPG⁺08]. **Tool** [BBEM15, JHMGS18, TDE08, VLH98].
Toolchain [GVJ15]. **toolkit** [MSD06].
tools [BdM00, GS00, MD13, MT02].
Topological [SHD17]. **Topology** [BDBB19, HCZ⁺16, TDF⁺09].
Topology-Agnostic [BDBB19]. **Trace** [BHK17, BHW⁺13]. **Trace-Based** [BHK17].
Traceability [YFT17]. **track** [LCC11].
Tracking [HMO⁺14, FS13]. **Trade** [PCC09, FHHG12, RJL⁺09, WVYG99, WGDk07, XPSE12]. **trade-off** [RJL⁺09].
Trade-offs [PCC09, FHHG12, WVYG99, WGDk07, XPSE12]. **Tradeoff** [RS18].
Tradeoff-Aware [RS18]. **Tradeoffs** [LDD⁺18]. **Trading** [FG18]. **Traffic** [QBTM16]. **Training** [ALL17].
Transactions [CH10a, CPX14, KLSZ09].
Transceivers [JNS⁺17]. **transfer** [KI01, KVMH08]. **Transform** [LCC⁺15].
Transformation [SPC⁺15, BGN⁺07, KKH⁺02, Vah99, VJBC07].
transformational [Voe01].
transformations [HKV⁺07, LLM01, PCC09, WVYG99].
Transforms [ACFM12, MFHP12].
Transient [KRL15, DC07, MRC06].
Transistor [CFD⁺16, HCW⁺16, PR96, RS03, WSH⁺18].
Transition [JOH17, MHQ07, LHCT05, PL03, PR09, WPHL08].
Transition-overhead-aware [MHQ07].
transitions [Mut09]. **transitive** [YYC07].
Translation [WL12]. **transmission** [KC13].
Transmissions [CBO⁺18]. **Transparency** [WHRC12]. **Transparent** [Pom17b, SV11, PR11]. **Transparent-Scan** [Pom17b, PR11]. **Transposition** [CCH15b].
traversal [HRP00]. **Tree** [HGLC16, KK11, KKS16, LLLL18, LNG⁺16, LS17, WCCC14, CHH09, LLHT12, LYKW09, LLLC13, TDF⁺09, wATkK02, Yan08, YYC09].
tree-based [YYC09]. **Trees** [CCH15b, EK16, GC96, WCC03, YYC09].
Trends [CH10b, HHL14]. **Triggered** [BB17, HS18, IGN18, BDC08]. **Triggering** [EW18b, HW14]. **Triple** [LZ17, ZLY⁺15].
Tristate [CK16]. **Trojans** [XFJ⁺16]. **Trust** [GSFT16]. **TSocket** [CXH⁺16]. **TSV** [KK11, KKHK16]. **TSV-based** [KK11].
tunable [CFHM09]. **tuned** [RFB10].
tuning [LT11, SZV⁺12]. **Turbine** [WSRH16]. **Tutorial** [Edw03]. **twisted** [YW09]. **Two** [LZ17, OW06, TJ99, CSC08, DDNAV04, LHZ⁺06]. **Two-layer** [OW06, DDNAV04]. **Two-level** [TJ99].
two-stacked-die [LHZ⁺06]. **Two-Stage** [LZ17].
UCR [YBS⁺18]. **Ultra** [ACF⁺11, CK16, GBC07, MACV14, SESN15, ZLG⁺19].
Ultra-fast [GBC07].
Ultra-High-Definition [ZLG⁺19].
Ultra-High-Speed [CK16]. **Ultra-Low** [ACF⁺11, MACV14, SESN15]. **UltraScale** [AMM⁺18]. **Unauthorized** [CBO⁺18, GDTF17, KOO18]. **Unbounded** [VS12a]. **Uncertain** [KW16]. **uncertainties** [CS07]. **Uncertainty** [GC18, STGR15].
Unclonable [YBS⁺18]. **Uncore** [WGS16].
Understanding [HHL14]. **Undetectable** [Pom19b]. **Unicast** [XS16, XCF18].
Unicast-Based [XS16, XCF18]. **unified** [Kag05]. **Uniform** [HZZ⁺19, KCKG16].

Unique [SOS15]. **UNISIM** [LS11].
UNISIM-Based [LS11]. **Unison** [SGJ96].
Unit [BM11, HWCL15, HWCL13].
Unit-Capacitor [HWCL15]. **Universal**
 [CWW96, JCK⁺¹⁸, FLWW02, FLWC07].
universality [RHN00]. **Unknown** [SSO16].
Unknowns [EKS⁺¹⁴]. **Unnecessary**
 [Pom15c]. **unpredictabilities** [DS05].
unpredictability [SPG⁺⁰⁸]. **unscheduled**
 [MHF96]. **untangling** [YW09]. **untestable**
 [LIA00]. **UPaK** [WKR09]. **Update** [KC10].
Upper [JLJ15]. **upset** [NdLCR03, RM09].
upsets [MRB⁺¹¹]. **Use**
 [KBV⁺¹⁵, KFH⁺⁰⁸, MS00]. **use-cases**
 [KFH⁺⁰⁸]. **Using**
 [APDC17, APD⁺¹¹, ASAP17, AVG19,
 AGM01, BBEM15, BDB12, BS14b, BM11,
 CYV⁺¹⁴, DNA⁺¹², EW18a, EW18b, EK16,
 FWCL05, FYCT15, GFJ16, GBR07,
 GHYR19, HS18, JNS⁺¹⁷, KQP⁺¹⁹, LLH⁺¹⁷,
 LYHL14, LLK⁺¹⁴, LCC⁺¹⁵, MA16, PJL14,
 PG15, PR09, Pom15a, SKS⁺¹⁸, THM15,
 TMDf10, TCL14, WKL⁺¹⁸, WSS⁺¹⁸,
 YHL⁺¹¹, ZHC⁺¹⁸, ZYS12, BLR06, BWB14,
 BK10, BGN⁺⁰⁷, BASB01, CACS05,
 CBMM10, CFHM09, CK96, GGBZ02, GK07,
 GK09, HVF⁺⁰¹, HMB98, HPK99, HCC01,
 HW14, KSK⁺⁰⁵, KRS06, KPR06, KMS12,
 KMC97, LCT03, LSL⁺¹³, LON08, MHD⁺⁰⁴,
 MSR09, MS08, MR05, MP07, MLC08,
 MVK⁺¹⁸, NRZ⁺¹⁸, PRCK08, PKP⁺⁰³,
 PMB10, PHM00, RJL⁺⁰⁹, RCD07, SGK08,
 SABSA15, STL⁺¹³, SBH⁺⁰⁶, SCJ01,
 TLCF16, TWL16, TN99, TD03, TYH08,
 Vah02, WVYG99, WJYZ11, WCC03,
 XLCL13, XK97, YTHC97, YYC07,
 ZHOM08]. **UST** [wATkK02]. **UST/DME**
 [wATkK02]. **utility** [BCR⁺⁰⁸]. **Utilization**
 [KKLG15, KMR18, MT15, GM03, SBC08,
 SY07]. **Utilizing**
 [BLNK14, CK16, EBR⁺⁰⁹]. **UTPlaceF**
 [LLL⁺¹⁸].
V [MLMM08]. **Validation**
 [VS12a, CM13, DRG98, FLPP09, HJ08,
 MD08, QM12, RPKC05, WAZ98]. **value**
 [YGZ04]. **Valued** [WTR12]. **Values**
 [Pom18a]. **Variability**
 [CFD⁺¹⁶, NRZ⁺¹⁸, TY19, LON08].
Variable
 [PSNC18, ZLG⁺¹⁹, LHW97, WH05].
Variables
 [Pie16, CCQ98, Pom14a, SXZV13].
Variation [APDC17, AKAKP18, FYCT15,
 RGM09, WCCC14, WDL17, WSH⁺¹⁸,
 GM08, KTKO13, MJM11, PPDK09].
Variation-Aware [FYCT15, WSH⁺¹⁸,
 RGM09, MJM11, PPDK09]. **Variations**
 [GC18, ZZCY17, KPR06, LH13, LTPR⁺¹³,
 ST99]. **various** [WAZ98]. **Varying** [SSO16].
VBR [JLJ15]. **Vdd** [HLHT08]. **Vector**
 [JK10, CCW08, EMO03, KBA08].
vector-thread [KBA08]. **Vectorizing**
 [LPD⁺¹⁷]. **Vectors** [Pom15c, CK96].
Vehicle [VA17b]. **Verification**
 [Ali12, BKW15, DSH12, EW18a, HZS⁺¹⁹,
 KYN⁺¹², Ped11, SSS⁺¹⁹, BHW⁺¹³, BDC08,
 BGM04, DCK07, DCK09, DCK10, DC07,
 GF06, HA05, HDL⁺¹², HV98, KMS12, KG99,
 KC98, LBV⁺⁰⁶, LOC12, MS08, MPDG09,
 PRCK08, RFYL98, RBA⁺¹², Sen11,
 VAAH⁺⁹⁸, VS12b, WYIG07, WWC04].
Verify [KRH18]. **Verifying**
 [APD⁺¹¹, HCC01]. **versatile** [TYH08].
vertical [LLKC13]. **VFI** [DLC⁺¹⁷].
VFI-Based [DLC⁺¹⁷]. **vGreen** [DMR10].
VHDL
 [DDNAV04, GDPRG11, MR96, MWG97].
VHDL-AMS [DDNAV04]. **via**
 [BZWZ17, CRT19, CCC09b, HHL14,
 HSA⁺⁰⁴, IPWW17, KOO18, KRL15,
 KLK⁺¹⁷, LHZ⁺⁰⁶, PB12, RAKK12, SAL19,
 VAAH⁺⁹⁸, WB16, WHXZ13, YWGI09].
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 [MDR15, ZLG⁺¹⁹, CCC^{+09a}, ZHOM08].
viewpoint [LKTd98]. **violations** [Das09].
Virtual [BHDS09, DMR10, JLJ15, MSR09,
 SSL17, Fuj05, KMC97, LLKY13, ZP08].

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Hosseinabady:2007:LTA

Hu:2014:GLI

Hasteer:1998:EEC

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[HR06]

Hanchate:2006:GTF**Hsu:2011:MSS**

[HRK18]

Hussain:2018:SSH**Hong:1999:POU**

[HRP00]

Hsiao:2000:DST

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Wu:2009:PCV

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Wang:2006:PDT

Wang:2010:CDF

Wu:2008:PVA

Wang:2007:DIC

Wu:2012:LST

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