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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, LDD⁺19, LHZ⁺06, LHC16, LW17, LS19, LS17, OS03, OCK19, SYX12, THM15, TMDF10, WYC10, XGC⁺20, 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_t* [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]. **AC** [MHA19]. **Accelerated** [LD17, BHDS09, MLC08, RB19].

Accelerating [HW14, LS11, SKS12].

acceleration [GPK⁺09]. **Accelerator** [LYL⁺19, OHA19, AHL⁺08]. **Accelerators** [SV11, TL19, LSPC14, YLP⁺13]. **Access** [GSD⁺18, OKC08, XYG⁺16, Cha01, KLSP11, 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, RG19, 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, KKHK16, LLKY13, LYSO19, SFM⁺19, 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**

[ADB⁺19, DZS⁺18, DFM15, GDTF17, HYK⁺20, ZLQ15]. **AGENTS** [dW97].

Agglomerative [LLLC13].

Agglomerative-based [LLLC13]. **Aging** [ADB⁺19, FYCT15, GC18, OT15, TCW20, HTCP13]. **Aging-** [FYCT15].

Aging-Aware [OT15]. **Aging-induced** [TCW20]. **Agnostic** [BDBB19]. **ahead**

[CSAHR07]. **Airgap** [HS19]. **algebra** [GK07, GK09]. **algebraic** [ARLJH06].

Algorithm [DHVW18, GDPRG11, GYT12, HCRK11, HLG⁺15, KLSZ09, KLSZ11, MA16, MJB19, 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, LXWC20]. **Algorithms** [ACFM12, GMN⁺13, SV16, SZB17, TCP97, Das04, Das09, EMO03, GMSSS02, JLF⁺12, LKM04, LIA00, OWH08, PB14, PW99, TC98, YW09, YCHT00, ZSZ10, ZS02].

Aligned [SHL⁺19, XYG⁺16]. **Allocating** [KAKSP16, YHH09]. **Allocation**

[ABC⁺17, BK00, BM11, CET16, CARH18, KK14, KKLK15, SCK18, ZYS12, AOC02, CLM⁺10, CL99b, LCK⁺09, SM00].

Alternative [KRL15, SYZ08]. **among** [DK08, LYSO19]. **AMS** [CVMP19, DDNAV04, MDM⁺12, MPDG09, ZMS⁺19].

Analog [ADB⁺19, BBEM15, CFD⁺16, DZ18, LYSO19, LHJ12, LCYN18, PTS⁺20, 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, PTS⁺20]. **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,

MHA19, NSCM17, OM08, PHKW12, Pie16, PEPP06, QBTM16, SMBT19, STWX12, THT12, WL12, XT16, ZFLS11, ZYW+18, ZS16, ZKS+16, ZMS+19, 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]. **Anomaly** [LL19]. **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, BLUS19, ETAV18, EO19, HC17, HAB+17, MAS+20, MLH+17, NTSA18, RS18, SBR+17, SVK17, SFM+19, SESN15, WDZG16, WH20, 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, WPR+19]. **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** [JSS+19, MHA19, NRDB19, OHA19, PMP17]. **Approximation** [DHVW18, HWCL15, HCS01, YWK+03]. **Arbiter** [NSCM17]. **Arbitrary** [WJG+19]. **Arbitration** [AL19, IHM15]. **Architecting** [SABSA15]. **Architectural** [BRCS18, KGS+20, 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, PMT20, 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, GADG19, HWX+14, LM19, LLK+14, RBWB20, 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]. **Areas** [WPR+19]. **arithmetic** [CCL03]. **ARM** [LLH+17]. **ARM-Based** [LLH+17]. **ARM2** [HV98]. **Array** [CFD+16, KCKG16, RBWB20, 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]. **Artificial** [WXH⁺19]. **Ary** [CLH12]. **ASIC** [KLV15, THL⁺13]. **ASICs** [PW99]. **ASIPs** [SM00]. **ASP** [YMB15]. **ASP-Based** [YMB15]. **aspects** [AMO05]. **Assay** [BTP⁺20, LSCK20]. **assembled** [BC05]. **assembly** [AMR00]. **assertion** [BZ08, MPDG09, TBZ13]. **assertion-based** [TBZ13]. **assertion-checker** [BZ08]. **Assertions** [MDM⁺12]. **Assessed** [LLLL18]. **Assessment** [NPH⁺20]. **Assignment** [CK16, KLE18, LYCP17, LMS16, SV16, Yan16, Yan17, Yan20, BDB98, CCX06, CHH09, CPW04, CLYP09, KNDK96, Kuc03, LJVO2, LCC11, LT11, VJBC07, WWG08, WLCJ09, XTW05, Yan11]. **Assisted** [GFJ16, PTC⁺15, SMBT19, CSL⁺07, MBB01]. **Assistive** [MVK⁺18]. **Assurance** [XLY⁺18]. **Assured** [JSS⁺19]. **Asymmetric** [SBR⁺17, RAKK12]. **Asynchronous** [PMS15, TB20, WWW⁺12]. **At-Speed** [PTC⁺15, TPC⁺17, SXZV13]. **ATM** [RFYL98]. **ATPG** [HCC01, MT02, SGK08]. **Attack** [BSP⁺19, Che18, OK20, DDFR13]. **Attacks** [CPK20, DZS⁺18, DHB16, HYK⁺20, LSCK20, MLH⁺17, ZLQ15, LWK11]. **Attestation** [CRT19]. **Attributed** [PRCK08]. **Augmented** [VBP⁺19]. **Augmenting** [TL19]. **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, Shi20, SRTG19, WKR09, ADS⁺09, KSS⁺09, LFG⁺09, TDE08, WWC04]. **automating** [HA05, RSR01]. **Automation** [ADB⁺19, CH10a, CPX14, CO18, DZS⁺18, GHYR19, KLSZ09, DTC⁺09, LOC12]. **Automotive** [HK18, KPB19, LZZSV15, LMS16, MPM⁺17, SRTG19, XLY⁺18]. **Autonomous** [ML09, STL⁺13]. **Auxiliary** [BDC08, CCQ98, Pie16]. **Available** [TEK18]. **Average** [ZLW⁺15]. **Averaging** [TWL16]. **Avoid** [WPR⁺19]. **Avoiding** [AL19, HLG⁺15, HGLC16, LLLL18, WSRH16, XPZ⁺18, LYKW09]. **award** [GK09, QS11]. **Aware** [AKAKP18, BDBB19, BLUS19, CMP10, CET16, CJKK19, DZ18, FYCT15, GJV15, HHK⁺17, HC17, HCW⁺16, KPF16, KW16, KPB19, LHW⁺17, LLL⁺18, LHK⁺15, LZZSV15, LNG⁺16, LMS16, MT15, OT15, PBZM19, RS18, RCK⁺15, SBY⁺20, SYX12, TBCH17, WSH⁺18, WLLH16, Yan20, YYG⁺16, ZYPC17, ADP⁺07, CHH09, CLQ12, DD02, ETR07, ENP20, FS13, GM08, GKM05, JHL02, JP12, JCS⁺08, KPSW09, KJKK03, LC14, MAS⁺20, MBD⁺20, MJM11, MHQ07, MKW08, OCK19, PPDK09, RGM09, SSG12, SBC08, SMYH07, SKS12, SNL12, VGG19, WH05, WPHL08, WLL⁺11, YLL09, 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]. **Base** [BSP⁺19]. **Based** [APDC17, ASAP17, AVG19, AAA15, BHK17, BS14a, BD14, CPS16, CCH⁺15a, CAOM19, CLT⁺15, DLC⁺17, ETAV18, EO19, GDTF17, GHYR19, HCL⁺14, HWX⁺14, HLG⁺15, JHMGS18, JPHL16, JM14, KGS⁺20, 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, Pom20, PY20, QBTM16, RS18, SV16, SMBT19, STGR15, TZ17, VEO16, WLZ⁺19, 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, HDZ⁺²⁰, HYK⁺²⁰, HCK13, HWCL13, JLF⁺¹², KBN09]. **based** [KK11, KNRK06, KSA⁺¹⁰, LC13, LB00, LKM04, LWC09, LCC11, LWZ⁺¹⁹, LDK99, LCHT02, LOC12, LWK11, LLLC13, LXWC20, MP07, MLC08, NAK20, OM08, OHA19, OKC08, OK08, PDN00, PRCK08, PMB10, PR09, Pom14b, RL13, RS98, SW04, SGK08, SOC06, SC06, TN99, TBZ13, VVG19, VKT02, WPR⁺¹⁹, WH20, 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, PTS⁺²⁰]. **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, VKKR02]. **behaviors** [BG01, KW02]. **benchmark** [PSK08]. **Benchmarking** [JBC⁺¹⁰]. **Benders** [ETAV18]. **best** [GK09, QS11, SCS10]. **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]. **Bio** [BTP⁺²⁰]. **Bio-chemical** [BTP⁺²⁰]. **Bio-IP** [BTP⁺²⁰]. **Biochemical** [KGS⁺²⁰, RCK⁺¹⁵]. **Biochip** [CPK20]. **Biochips** [GHYR19, KGS⁺²⁰, LHC16, LSCK20, LKC⁺¹⁸, MGR⁺¹⁵, RCK⁺¹⁵, RBWB20, 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]. **Bitstream** [HYK⁺²⁰, OK20]. **black** [LAS01]. **BLAS** [CCYC14]. **Block** [CM19, CCYC14, CCK⁺¹⁸, DK16, ZLG⁺¹⁹, KRS06, LPP00, MHD⁺⁰⁴, MS00, WCC03]. **Block-level** [CCYC14]. **block-processing** [LPP00]. **Blockage** [JD18]. **Blockchain** [IK19, XRS⁺¹⁹]. **Blocks** [AFM14, JPM⁺¹⁹, 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, OK20, SGJ96]. **Boosting** [CMNQ08]. **borrowing** [LCHT02]. **Both** [WH20]. **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** [OCK19, 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, Yan19, JWL⁺03, LCOM07, LV02, OW06, SCJ01, YW09]. **Bus-based** [GG99]. **Buses** [Yan17, YGZ04]. **Butterfly** [ZYPC17]. **Bypass** [PMT20, YKCG14].

C [LWC18, RMPJ08]. **C-Mine** [LWC18]. **C-testable** [RMPJ08]. **C2RTL** [ZLL⁺16]. **Cache** [BFG⁺19, CPS16, CAOM19, GG04, HWX⁺14, JZYZ15, JLK15, KLJ14, LYLW17, MACV14, Mit16, NTSA18, NAK20, SSS⁺19, SABSA15, SMBT19, SAL19, WDL17, YPCF17, Giv06, JS13, LMW99, LSL⁺13, PDN97, SLXZ12, TKVN07, TY97, VS12b, ZYDP08, NTSA18]. **cache-coherence-enabled** [LSL⁺13]. **Cacheline** [PBL⁺17]. **Caches** [CK19, CB17, SYX12, CXK⁺13, LSDV10, ZP08]. **Caching** [WQC⁺16, HCK13]. **CAD** [BSP⁺19, KLSZ09, KLSZ11, NPH⁺20, SB98, Vah02]. **CAD-Base** [BSP⁺19]. **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, WPR⁺19, WC10, XNZ⁺15, JCS⁺08, KBN09, LCZ⁺08, MRB⁺11, MS00, RS03, SSCS10, dW97]. **Cell-based** [WPR⁺19]. **Cells** [HWGY16, JCK⁺18, MJB19, SKM⁺16, GH00, TS96]. **cellular** [KT01]. **Centralised** [CK19]. **Centric** [WGS16, XLNB17, ZHOM08]. **Centroid** [WLLH16, HWCL13]. **Chain** [BSP⁺19, LHC16, Pom17b, SLP⁺19, XRS⁺19, 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, NPH⁺20, 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, BTP⁺20]. **chief** [Ano13]. **Chip** [ADB⁺19, ALL17, BHK17, BD14, BDBB19, CK19, GADG19, GSD⁺18, HAB⁺17, HZS⁺19, IHM15, JLJ15, JNS⁺17, JZYZ15, JGM14, KBV⁺15, LDD⁺18, LDD⁺19, LW17, PMT20, PGCB16, SCK18, SMBT19, 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]. **Chip-to-Chip** [GADG19]. **Chipless** [YBS⁺18]. **Chips** [HCZ⁺16, SOS15, HGBH09, VS12a]. **choice** [SBGD13]. **choose** [DNA⁺12]. **ciphers** [LWK11]. **circadian** [GS13]. **Circuit** [ADB⁺19, BBEM15, BZWZ17, BFL10, CM18, CM19, GBR07, GDTF17, HS18, HS19, JK10, LYSO19, LH11, RJBS09, SMYH07, Shi20, 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, VNS19, 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, OCK19, TCW20, 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** [CM19, 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, ADB⁺19, CFD⁺16, GH00, LTH99, PHKW12, WSS⁺18]. **CMP** [CXK⁺13, WGS16]. **CMPs** [CAOM19, SYX12]. **Co** [CVMP19, Hua01, JSS⁺19, SKM⁺16, WWFT12]. **Co-Simulation** [SKM⁺16, WWFT12, CVMP19]. **Co-synthesis** [Hua01]. **Co-Training** [JSS⁺19]. **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, RJBS09, 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, PPK09, PBSV⁺06, ZM07]. **Compact** [LJ18, MAS16, WTR12, XCW12, HVF⁺01, YHL07]. **Compacting** [PL03]. **Compaction** [Pom15a, Pom15b, Pom20, EMO03, MHD⁺04, TBZ13, XLCL13]. **comparative** [MLG12, PB14]. **Comparing** [VGG19]. **compatible** [SGK08, WWC04]. **compensation** [CFHM09]. **Compilation** [SFM⁺19, SBH⁺06, YHL07, KLSP11, MSR09, VLGG01]. **Compile** [KNRK06]. **Compile-time** [KNRK06]. **compiled** [PHM00]. **Compiler** [LPD⁺17, LLHT03, SMBT19, SYHL14, WKL⁺18, XPSE12, BD08, GGDN04, HG07, KRS06, SSG12]. **Compiler-Assisted** [SMBT19]. **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, AL19, LTYW12, WYC10, BCC08, YCCG03]. **Compliance** [HC18, BGM04]. **Component** [LH14, PG15, RSR01]. **Component-Based** [PG15]. **Component-Composition** [LH14]. **Composable** [VGG19, 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** [ENP20, ARLJH06, LPP00, PGB01]. **compute** [TCP97]. **Computer** [MFHP12, CSL⁺07, MBB01]. **computer-assisted** [CSL⁺07, MBB01]. **Computing** [BMdG17, CDB11, JSS⁺19, MHA19, NRDB19, SN10, WLH20, XGC⁺20, CLQ12, LC96, NR01]. **Concept** [AM10]. **Concept-based** [AM10]. **Concurrency** [SSG12, Sen11]. **Concurrency-aware** [SSG12]. **Concurrency-oriented** [Sen11]. **Concurrent** [SOC06, WH20, 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** [BHLG19, 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, WLH20, 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, JZYZ15].
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, RB19, MLC08].
Content-Aware [HHK⁺17].
content-based [MLC08]. **Contention** [KLJ14, ZYPC17]. **Contention-Aware** [ZYPC17]. **Context** [RG19, BDC08, JHL02].
context-aware [JHL02].
context-triggered [BDC08].
Context-Varying [RG19]. **Contiguous** [KKLG15]. **Control** [AVG19, BDB12, JK10, MAS⁺20, PCT⁺17, QSW⁺15, VGG19, 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** [CAOM19, CYH19, ETAV18, LHL16, SBY⁺20, SESN15, WMT⁺16, CCL04, LBV⁺06, RAKK12, SEN05, SZV⁺12, XZC09].
core-based [CCL04]. **core-external** [XZC09]. **Cores** [SFM⁺19, 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]. **Correlations** [LYSO19]. **cosimulation** [FLPP09]. **Cost** [ABC⁺17, CHC⁺16, JPHL16, MHT14, MJB19, QS09, BPRR98, BWB14, Giv06, HCK13, LG12]. **Cost-Effective** [JPHL16, MHT14]. **cosynthesis** [Hsi00, Wol96]. **Counterfeit** [YFT17].
Countermeasure [HYK⁺20, OK20].
Countermeasures [CPK20, DZS⁺18].
Counting [PB12]. **coupled** [LMB⁺12].
Coupling [LDD⁺19, KJKK03, LXCH04, SKCM06].
coupling-aware [KJKK03]. **covariance** [KPR06]. **cover** [SB98]. **Coverage** [AKAKP18, CYV⁺14, CM13, IE12, DSH12, FZKS11, GF06, Sen11, SDP⁺09, TCP97, WPHL08, WPR⁺19]. **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 [VBP⁺19, WFT⁺19, XNZ⁺15].
Cross-level [VBP⁺19]. **Cross-Point** [XNZ⁺15, WFT⁺19]. **Crossbar** [XGC⁺20, 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, HMTVG13, TS96]. **customizable** [MPSJ07]. **customization** [CBMM10, MKK13, MSB⁺09, YLP⁺13].
Cut [SHL⁺19, 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, LDD⁺19, LHZ⁺06, LHC16, LW17, LS19, LS17, OS03, OCK19, RL13, SYX12, THM15, TMDF10, WYC10, WWCT18, XGC⁺20, YHH09, ZYS12].
D-enabled [LDD⁺19]. **D-ICs** [LS17].
D-NoC [ADDM⁺13]. **D-Stacked** [SYX12].
DAG [WJG⁺19]. **daisy** [KC13].
daisy-chained [KC13]. **Dark** [HAB⁺17].
DARP [CRC15]. **DARP-MP** [CRC15].
Data
 [CPS16, DZCD15, JLK15, KW16, LWC18, LL19, NTSA18, OHA19, 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, LL19]. **data-flow-driven** [KMS12]. **Databases** [HCL⁺14]. **Dataflow** [ASAP17, BMdG17, BLUS19, BFG17b, BFG17a, CH17, HPB11, JOH17, SFM⁺19, 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].
DCW [WLZ⁺19]. **Deadlines** [ENP20, WJG⁺19]. **deadlock** [LM05, TDE08]. **deadspace** [SY07]. **Debug** [EW18b, LHLP16, HW14]. **Debugging** [Ali12, BHK17, RPKC05]. **Decade** [XFJ⁺16]. **decap** [LCL08]. **decode** [TKVN07]. **decoder** [CCC⁺09a]. **decoders** [KHW06]. **Decomposition** [ETAV18, GBR07, HCW⁺16, KHW06, LZ17, RFG20, 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, GMSS02, 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** [CAC05, Zho08].
Describing [RHA08]. **description** [MSD06, PHM00, SSG12]. **descriptions** [Fuj05, MWG97]. **Design** [ADB⁺19, ABC⁺17, AFM14, BJX15, BS14a, BZWZ17, BS14c, BHLG19, CK19, CD09, CH10a, CH10b, CPX14, CHC⁺16, CRC15, CO18, DZS⁺18, DHB16, EAP17, GCZ⁺15, GHYR19, HCRK11, HLG⁺15, JWL⁺03, JLK15, KKLP15, KGS⁺20, KLSZ09, KLSZ11, KLV15, KKS16, LLP⁺16, LW17, LF12, LHK⁺15, LZSV15, OT15, OHA19, PMT20, PDS12, Pom14a, Pom16a, Pom18a, RFG20, RS18, SMBT19, Sch17, SBY⁺20, Shi20, SDP⁺09, SGG14, SHN12, SESN15, SYX12, STGR15, TCL14, VGG19, VA17a,

VEO16, WWCT18, WPR⁺19, 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]. **design** [LCL08, MOZ06, MBB01, MP07, MLG12, OCRS07, PB14, Ped96, Ped06, PBSV⁺06, PW99, RFYL98, RS98, SW12, SGD10, SYL09, SSCS10, SUC01, SS11, SZV⁺12, TW96, THL⁺13, VAAH⁺98, Voe01, WAZ98, WKRO9, ZHM07]. **Design-for-manufacturability** [WPR⁺19]. **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, SSCS10, SNL12, WTL⁺13, Yan11, ZMTC13]. **Destination** [RL13]. **Destination-based** [RL13]. **Detailed** [MJB19, CBHK11, PWY05]. **Detection** [CBO⁺18, HDZ⁺20, KOO18, LXWC20, LL19, Pom16b, Pom17a, WH20, 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]. **Detours** [Yan19]. **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, WH19, WH20, CML98, KI01, TYH08]. **Diagnostic** [HVF⁺01]. **diagonal** [DSKB04]. **Diagrams** [CM19, 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, RB19, RCK⁺15, SKS⁺18, SOS15, VBP⁺19, CPW04, RS03, SR12, SOC06]. **Digitally** [ZK15]. **Dilution** [GHYR19, KGS⁺20]. **Dimension** [BC11]. **Dimension-reducible** [BC11]. **Dimensional** [RGM15, KQP⁺19, WXH⁺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]. **Dissipative** [ZMS⁺19]. **Distance** [HRK18, NAK20]. **Distance-based** [NAK20]. **distinguishability** [AGM01]. **Distributed** [EAP17, HXC⁺18, MVK⁺18, SCK18, WLZ⁺19, 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]. **Division** [PY20]. **DME** [wATkK02]. **DNUCA** [DK16]. **domain** [FWCL05, IAI⁺09, JBC⁺10, LTTPR⁺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]. **Dot** [RBWB20]. **Double** [SHL⁺19, XYG⁺16]. **DPRTM** [ADDM⁺13]. **DRAM** [BLNK14, CJKK19, LYLW17, LMA⁺16, SSS⁺19, SAL19, ZZCY17]. **DRAM/PCM** [BLNK14, LYLW17]. **DRAMs** [LS19]. **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, LL19, MPSJ07, MD08, MRMP08, WY06, WLC02, XK97, Yan08, ZSZ10, MSD06]. **drives** [CCYC14]. **Droplet** [LKC⁺18, RBWB20]. **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, BLUS19, 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, YYLL09]. **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, NAK20, 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, RB19, TCL14, WH19, KJT04, ZAZ13]. **Efficient** [AKAKP18, BS14a, BHDS09, BW00, CK19, CAOM19, CYV⁺14, DMR10, EO19, GADG19, GFJ16, HMB98, HAB⁺17, HKB⁺07, HCS01, HG07, HWX⁺14, JSS⁺19, JLK15, KBN09, KC10, KW02, LHL16, LJ18, LDD⁺18, LHZ⁺06, LWZ⁺19, LF12, LHCT05, LM96, LB11, NTSA18, PMP17, RM09, RGM15, SV16, SMBT19, SPC⁺15, SPMS02, SS14, SRC15, TLCF16, VNS19, 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]. **Electrical** [BHLG19]. **Electrode** [RBWB20]. **Electron** [HCW⁺16]. **Electronic** [CH10a, KLSZ09, HV07]. **Electronics**

[BSP⁺19, CPX14, XRS⁺19, CH10a].
Electrostatic [LDD⁺19]. **Electrostatics** [LCC⁺15]. **Electrostatics-Based** [LCC⁺15]. **Element** [CLT⁺15, ZK15].
elements [HMVG13]. **eliminate** [Mut09].
Eliminating [SHLL98]. **Elimination** [LHF12]. **Elite** [ZKS⁺16]. **Embedded** [BMdG17, BD14, BS14c, BM11, DFM15, EAP17, HCL⁺14, IK19, IGN18, KC10, LL15, LHP16, LHK⁺15, LL19, NSH⁺16, OHA19, PG15, RFG20, SPT⁺17, SL18, VBP⁺19, 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]. **Embeddings** [CM19].
Emerging [BRCS18, SN10, YPCF17, BC08].
Employing [GS13, ZK15]. **emulated** [THC⁺14]. **emulation** [ADP⁺07, HMVG13, KRK98, MW97].
Enabled [XRS⁺19, YSF⁺18, LDD⁺19, LSL⁺13, YFT18]. **Enabling** [IK19, JS13, ZHOM08]. **Encoder** [QSW⁺15].
Encoding [MDR15, OT15, PMP17, YMB15, ZLG⁺19, KJT04, LCD07, LWC07, NT05, RTNL05, YGZ04]. **Encryption** [Che18].
End [ENP20, GABP00]. **End-to-end** [ENP20]. **Endurance** [CHC⁺16, CCK⁺18, HHK⁺17]. **Energy** [BFL10, DMR10, ENP20, GADG19, GFJ16, HXC⁺18, JSS⁺19, JPHL16, KC10, LDD⁺18, LF12, LWC18, LMA⁺16, MBD⁺20, MR05, NTSA18, PMP17, RB19, SPC⁺15, TLCF16, TBCH17, WH05, WKL⁺18, XPZ⁺18, YPCF17, YP10, ZHTC09, ZMS⁺19, 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, ENP20, MBD⁺20, WH05, JCS⁺08]. **Energy-Efficient** [DMR10, GFJ16, JSS⁺19, 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, WH19, WLH20]. **Enterprise** [DKZ⁺15]. **entries** [LCT03]. **enumerative** [STJG16]. **Environment** [RHN00, HKL⁺07, Hsi01, SCV06].
Environmentally [YBS⁺18]. **EPGAs** [YTHC97]. **EPIC** [AMR00]. **ePlace** [LCC⁺15]. **Equation** [Shi20]. **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, WH20, 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** [CM19, GS00]. **Estimating** [Meh98].
Estimation [APDC17, APS18, BZWZ17, LD17, PB12, SNH02, TC98, WXH⁺19, ZLG⁺19, CIB01, DTC⁺09, FLPP09, HKV⁺07, JT98, KCA04, KNRK06, LMW99, MHF96, ZSZ10].

estimators [XK97]. **Ethernet** [MAS⁺20]. **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, LSCK20, NRDB19, VGG19]. **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, RFG20, RS18, Sch17, APB⁺08, CSL⁺07, EK97, JP08, KSS⁺09, LCOM07, MBB01, MSD06, PB14, PPDK09, RJL⁺09, SW12, SUC01, VCLD03, XPSE12]. **Exploring** [CK19, 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]. **Extraction** [HDZ⁺20]. **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, AL19, GGBZ02, SHLL98]. **False-noise** [GGBZ02]. **family** [BD05]. **fan** [LH09]. **fan-out** [LH09]. **Fast** [CPW04, DK16, GLY⁺12, HGLC16, IHM15, JZYZ15, KKL15, LH11, SMBT19, 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, JPM⁺19, LW17, LXWC20, 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, Pom20, HVF⁺01, LTH99, LIA00, MT02, PT06, PR98, PR09, TYH08, XZC09]. **Faulty** [JCK⁺18, JPM⁺19]. **Feature** [HDZ⁺20]. **Features** [LL19]. **featuring** [EK97]. **feedback** [LWK11]. **fetches** [KTKO13]. **FFT** [HDZ⁺20, TMDF10]. **FFT-based** [HDZ⁺20]. **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]. **Filters** [RB19]. **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, KGS⁺20, KW16, MJB19, NPH⁺20, PDS12, QSW⁺15, RJ14, BFP08, DTC⁺09, GDF09, KMS12, LC13, OM08, WC06]. **Flow-Based** [KGS⁺20]. **Flows** [JLJ15, VGG19]. **Fluid** [GHYR19]. **Fluids** [KGS⁺20, RCK⁺15]. **FOLD** [Pom15b]. **Folded** [AFM14, HS18]. **Folding** [Pom15b, BHS11, TS96]. **footprint** [AMM⁺06]. **Forced** [RSR01]. **form** [CW01, PR09, Shi20]. **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]. **Foundation** [TB20]. **Four** [HGLC16]. **Four-Step** [HGLC16]. **Fourier** [LCC⁺15]. **FPGA** [AMM⁺18, ACT13, BS14c, BHS11, CWW96, CZW⁺03, CH00, DP02, EW18b, FW00, GPK⁺09, GVJ15, HABS15, HYK⁺20, HLHT08, HW14, JLF⁺12, KT96, KL05, KFH⁺08, LKM04, LLL⁺18, LM19, MW97, MA16, MP07, OK20, PL98, PMT20, PSNC18, PY20, 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, JSS⁺19, JPHL16, KPB19, LL15, MBD⁺20, NPH⁺20, RG19, SKM⁺16, THT12, WLZ⁺19, 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** [SBY⁺20, 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** [CM19, CDB11, Che96, HMO⁺14, KKS16, LGGJ14, SV16, SRC15, CCW08, CH02, CD96, CH00, HH09, LG12, LLYW10,

PWY05, RGM09, SC00, WY06].
Gate-Level
[CDB11, HMO⁺14, CM19, 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,
NPH⁺20, PCT⁺17, Pom17a, Pom17b,
Pom18b, SHD17, Shi20, 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].
Granularity [RBWB20]. **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, ENP20, 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]. **Guidelines** [WPR⁺19].
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, MRL⁺20, MFHP12, MRL⁺19, RB19,
TY19, XFJ⁺16, YSF⁺18, YCL⁺20, 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 [RB19, 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].
Harnessing [RBWB20]. **Harvesting**
[SAL19, XPZ⁺18]. **hash** [YTHC97].
Hashing [CJJK19, JCK⁺18]. **hazards**
[HA05]. **Heap** [JPM⁺19]. **Heaps** [KLK⁺17].
heartbeat [DHZ⁺11].
heartbeat-detection [DHZ⁺11].
Heterogeneous
[ETAV18, GADG19, MBD⁺20, 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].

Hidden [HYK⁺²⁰]. **Hierarchical** [CV17, LMB⁺¹², LJ18, MSKBD07, TZ17, WMT⁺¹⁶, WLH20, XT16, BG01, HKV⁺⁰⁷, VKKR02, ZM07]. **Hierarchy**

[CM19, 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, LYSO19, 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]. **Hop** [AL19].

HoPE [PBL⁺¹⁷]. **Hot** [PBL⁺¹⁷].

Hot-Cacheline [PBL⁺¹⁷]. **Hotspot**

[HDZ⁺²⁰]. **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, NAK20, SLXZ12, WSS⁺¹⁸, CLYP09, KT01, KKMB02, LCZ⁺⁰⁸]. **Hypercube** [TMDF10].

I/O [LC13, Wu09, Yan16]. **IC**

[ABC⁺¹⁷, BHLG19, EK97, IK19, KK11, KKHK16, LCJ⁺¹⁰, Ped96, WCB15, WXH⁺¹⁹, WSS⁺¹⁸, XGC⁺²⁰, ZLL13].

IC/MCM [EK97]. **ICOS** [HCLC98]. **ICs** [CM18, CM19, 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 [RB19, WYIG07]. **Imbalanced**

[HDZ⁺²⁰]. **Impact** [GBK07, LDD⁺¹⁹, MDR15, RB19, 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** [WH20, WC06]. **Implication-based**

[WH20]. **implications** [BLM00, DNA⁺¹², GGBZ02, ZLL13].

Implicit [PT06]. **Imprecise**

[ENP20, 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, WH19]. **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, LS19, TCW20]. **Inductive** [IPWW17, HMLL11, LXCH04]. **Information** [HMO⁺14, NPH⁺20, 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, SHL⁺19, 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** [XRS⁺19, 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** [GADG19, CFX09]. **interconnections** [KM97]. **interconnects** [CML98, CH96, XZC09]. **Interface** [LHLP16]. **Interfaces** [PMP17]. **Interference** [CIX15]. **Interleaving** [SPC⁺15]. **intermediate** [LTH99]. **Internal** [BDB12, Yan19]. **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]. **Investigating** [RB19]. **Investigation** [XLNB17]. **IO** [Yan11]. **IoT** [CARH18, XLNB17, YFT17, YFT18]. **IP** [BTP⁺20, BFV15, JHMGS18, SLP⁺19, SSGS03]. **IP-Integration** [JHMGS18]. **IPs** [GSFT16, LLH⁺17, LG18, Sch17, VBP⁺19]. **Irregular** [KCKG16, KCKG13]. **ISAs** [SBH⁺06]. **Island** [LCY12, GM08]. **Islands** [JPHL16]. **Isolation** [CCS15]. **Issue** [BJX15, TK18, BC08, LP07, Ped06, Ped11]. **Iterative** [KLV15, Yan20, DD02]. **iTimerM** [LJ18]. **JAMS** [KPB19]. **JAMS-SG** [KPB19]. **Java** [BHDS09, PSL⁺98]. **JETC** [BC08]. **JETC/TODAES** [BC08]. **Jitter** [KPB19].

Jitter-Aware [KPB19]. **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, PY20].
language [MSD06, MLC08, PHM00, RHN00].
languages [BGM04, Edw03, SSG12]. **Large** [CK19, CSX⁺05, JZYZ15, LYL⁺19, YVC14, AM10, DD02, HH09, MRB⁺11, SCB01].
Large-Scale [LYL⁺19, YVC14, CSX⁺05].
Last [KLJ14, SABSA15, SAL19, CXK⁺13].
Last-Level [KLJ14, SABSA15, SAL19].
Latch [JNCS19, LCHT02]. **latch-based** [LCHT02]. **late** [LG12]. **Latencies** [Sch17].
Latency [QBTM16, YKCG14, ZYPC17, PMT20, 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, Yan20, CLYP09, DDNAV04, OW06, Yan00, Yan19]. **Layout** [CFD⁺16, DZ18, LZ17, LCYN18, RCK⁺15, SPC⁺15, WPHL08, WPR⁺19, 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]. **LBNOC** [PMT20]. **LDOs** [SCK18]. **leaf** [dW97]. **Leak** [PCT⁺17].
Leakage [CFHM09, DHB16, HYN15, JK10, STWX12, SYHL14, XT16, YYLL09, ZBPF18, CS07, CCW08, KOS09, MLG12, YLL06].
Leakage-aware [YYLL09]. **Learn** [RG19].
Learned [XFJ⁺16]. **Learning** [CAOM19, EW18a, HDZ⁺20, HXC⁺18, IE12, LG18, LYHL14, MBD⁺20, P JL14, TEK18, WH19, WLH20, 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]. **LET** [WLZ⁺19].
LET-Based [WLZ⁺19]. **Level** [CDB11, CET16, CLMZ10, DKZ⁺15, HKL⁺15, HMO⁺14, HZS⁺19, KLJ14, LL15, LG18, LS11, PDS12, Pie16, RJ14, SABSA15, Sch17, SS14, SAL19, WDLD17, AYM05, BdM00, BD00, CM19, CCYC14, CIB01, CXK⁺13, Che96, GM08, GG99, GS00, GGDN04, HJ08, JD00, JR97, JP08, JT98, KIO1, KRK98, KW02, LC14, LLQ⁺03, LTPT10, Lin97, MW97, MOZ06, MKBS05, MT02, MJM11, MLM08, OCSR07, PB14, PPK09, PTC05, Ped06, PBSV⁺06, RFYL98, RFG20, SW12, Sen11, SEN05, TC98, TJ99, Vah99, VAAH⁺98, VKKR02, VS12b, VBP⁺19, 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, WDLD17, 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** [HDZ+20, 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** [BTP+20, Mit16]. **Logic** [BFL10, CBMM10, Che18, CZW19, ETAV18, EKS+14, HS18, HIW15, KKH+02, KMO+12, LWZ+19, LWC18, SLP+19, WB16, WKC12, ZWD11, ARLJH06, BLM00, BDM+99, BOC00, CSKR05, CD96, GGBZ02, KJKK03, KMC97, KVMH08, LWH06, MW97, RJB09, TW96, TN99, TJ99, VKT02, WVYG99, ZS02, PRCK08]. **Logic-Based** [ETAV18]. **logics** [BD05]. **long** [SSP04]. **long-path** [SSP04]. **Longevity** [KBV+15]. **Lookahead** [PMT20]. **lookup** [CH02, WSEA99]. **Loop** [AA17, EO19, SXX+06, HKV+07, PCC09, XPSE12]. **loops** [BG01, CL99a, KNDK96, SHLL98]. **Lose** [KBV+15]. **Loss** [WSRH16, KC13]. **Losses** [ZMS+19]. **Low** [ACF+11, ALL17, BPTB17, CH10b, CM08, CHHL96, CLMZ10, GBR07, HLKN07, HTCP13, LTYW12, LSL+13, LS17, MKK13, MACV14, PMT20, PMB10, Pom14b, RFB10, SESN15, TWL16, TMDF10, WGT+17, WPR+19, 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-coverage** [WPR+19]. **Low-energy** [LSL+13]. **Low-Latency** [YKCG14, PMT20]. **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** [CAOM19, 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, NAK20, PBZM19]. **Making** [TCW20, XLNB17]. **Managed** [KLK+17]. **Management** [ABC+17, BM11, CHBK15, DLC+17, DMR10, GCL+16, HC17, HXC+18, JPM+19, KKL15, LHW+17, MBD+20, MDR15, PJL14, PBZM19, VA17b, WMT+16, WXH+19, 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]. **manufacturability** [WPR+19]. **Manufacturing** [YCL+20]. **Many** [CAOM19, SESN15, WMT+16]. **Many-Core** [CAOM19, SESN15, WMT+16]. **Manycore** [KLK+17]. **Manycore-Based** [KLK+17]. **mapper** [YTHC97]. **Mapping** [CPS16, ETAV18, HABS15, HAB+17, VNS19, XGC+20, 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, LXWC20, 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]. **Measurements** [LYSO19]. **measuring** [WAZ98]. **Mechanical** [BHLG19, LTW⁺16]. **Mechanism** [QSW⁺15, SVK17, WQC⁺16, ZLW⁺15, ZK15, Wu09]. **Mechanisms** [CBO⁺18, GBK07]. **MEDA** [LSCK20]. **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, JPM⁺19, KLSP11, KKLK15, LLP⁺16, LWZ⁺19, NAK20, PDN97, PPP⁺15, PBZM19, SSL17, TLCF16, TRM⁺16, TMD10, WQC⁺16, WZG16, WFT⁺19, 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]. **Memristive** [XGC⁺20]. **MEMS** [BHLG19, Kha12]. **MEMS-IC** [BHLG19]. **Merging** [ASAP17, CZW19, TCL14, LLLC13, MB04]. **Mesh** [JM14, KK14, GHW⁺12, RL13]. **Message** [KPB19, DSH12, EY12]. **message-passing-based** [EY12]. **metamodeling** [MPSJ07]. **Method** [AKAKP18, BZWZ17, JSS⁺19, LCC⁺15, RGM15, SRC15, STGR15, WTR12, WMT⁺16, YLZ⁺17, ZYW⁺18, CGN96, CL99b, HW00, Kag05, LH13, LDK99]. **methodologies** [BW00, CEB06, MD13, SCS10]. **Methodology** [BFV15, EAP17, KKL15, KJR⁺07, KMO⁺12, LW17, LZSV15, LLL18, VA17a, VEO16, VBP⁺19, 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]. **Micro** [RBWB20]. **Micro-Electrode-Dot-Array** [RBWB20]. **Microarchitectural** [GOC02, LS11, HMLL11]. **Microarchitecture** [ZBPF18, CFX09]. **microcontrollers** [CD09]. **MicroFix** [YHL⁺11]. **Microfluidic** [CPK20, GHYR19, KGS⁺20, 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, WZG16, 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, MRL⁺20, 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 [JZY15, 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, BLUS19, 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, VLG01, WTL⁺13, WJY⁺07, ZM07].
Models [APD⁺11, APS18, BBEM15, BFG17a, HHL14, MA16, RG19, ZABGZ17, GMS02, LTPT10, MRC06, SGD10, SMSB05].
Modern [DKT⁺16, NTSA18].
Modification [JK10, PAV17]. **Modular** [ZMS⁺19]. **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].
Monitors [VBP⁺19]. **Monolithic** [LDD⁺18, LDD⁺19]. **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, MRL⁺20, MHT14, RGT⁺14, SKS12, SSL17, YP10]. **MRAM** [JZY15, SMBT19]. **MSG** [WY06].
MTCMOS [HLCH07]. **Multi** [BS14c, CYH19, ETAV18, HC17, JOH17, KGS⁺20, KLE18, PY20, SFM⁺19, SBY⁺20, ZLY⁺15, CNQ13, HGBH09, HMB98, KOS09, MPSJ07, PB14, Pom14a, RAKK12, SZV⁺12, Wu09]. **multi-** [KOS09]. **multi-bank** [Wu09]. **Multi-Core** [CYH19, ETAV18, SBY⁺20, RAKK12, SZV⁺12]. **Multi-Cores** [SFM⁺19]. **multi-cycle** [Pom14a].
multi-engine [CNQ13]. **Multi-FPGA** [BS14c, PY20]. **multi-MoC** [MPSJ07].
Multi-Mode [JOH17]. **Multi-Objective** [KLE18, SFM⁺19, PB14]. **multi-phase** [HMB98]. **multi-processor** [HGBH09].
Multi-Start [ZLY⁺15]. **Multi-Target** [KGS⁺20]. **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, Pom20, Pom13].
multidimensional [SBGD13].
multidomain [AM10, BMJ13].

multifunctional [AM10]. **Multiharmonic** [WGT⁺17]. **Multilayer** [KKHK16, LLLL18]. **Multilevel** [HBPW14, JZYZ15, PJJ14, 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, LM19]. **Multiplexer** [Pom18a]. **Multiplexing** [PY20]. **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, PJJ14, IAI⁺09, PTC05, ZYDP08]. **Multirate** [ZABGZ17]. **Multistage** [Shi20, 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 [RG19, 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]. **Negatives** [AL19]. **Nested** [AA17, CL99a]. **Nesterov** [LCC⁺15]. **Net** [Yan19, LXCH04, MW97]. **nets** [JCGP05]. **Network** [CARH18, HCZ⁺16, HXC⁺18, KLK⁺17, LDD⁺18, LDD⁺19, LW17, MT15, PMT20, WXH⁺19, XS16, XCF18, YKCG14, ZYS12, CSC08, CL13, CM08, CXK⁺13, CCL04, HW14, KMC97, LCOM07, LLKY13, LLKC13, OCRS07, RFB10]. **Network-on-Chip** [LDD⁺18, LW17, PMT20, XS16, XCF18, YKCG14, ZYS12, CSC08, LCOM07, LLKY13, LLKC13]. **Network-on-Chips** [HCZ⁺16]. **Networked** [KC10]. **Networks** [BKW15, BDBB19, CZW19, IHM15, JJJ15, KPB19, LYL⁺19, MAS⁺20, MPM⁺17, SRTG19, XLS15, YMB15, ZFLS11, ZYPC17, ZMP16, BLR06, CXK⁺13, CBR⁺05, GWR13, HMVG13, JP12, JSG09, MD13, MDM07, OM08, RL13, TDE08, VS12a]. **Networks-on-Chip** [BDBB19, IHM15, JJJ15, CXK⁺13, JP12, OM08]. **Networks-on-Chips** [VS12a]. **Neumann** [KT01]. **Neural** [LYL⁺19, WXH⁺19]. **Neuromorphic** [XGC⁺20]. **Neuron** [ZK15]. **Neuron-MOS** [ZK15]. **Next** [YD16]. **NoC** [ADDM⁺13, CAOM19, HWX⁺14, MHT14, QBTM16, TCL14, SPT⁺17]. **NoC-based** [MHT14, CAOM19, HWX⁺14, QBTM16]. **Noc-HMP** [SPT⁺17]. **NoCs** [AJM13, AL19, DLC⁺17, JM14, KPF16, MT15]. **Node** [BDB12, CZW19, 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, WFT⁺19]. **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, VNS19, DDFR13, SCCH08, Ped06]. **number** [HPK99]. **NVM** [BRCS18]. **NVMe** [HC18].

O [LC13, Wu09, Yan16]. **OAOS** [HGLC16]. **OBDD** [FWCL05]. **Obfuscated** [LMS16]. **Obfuscation** [GDTF17, HYK⁺20, OK20, SLP⁺19]. **Obfuscation-Based** [GDTF17, HYK⁺20]. **Object** [Wol96, HCLC98, Hsi01]. **Object-oriented** [Wol96, HCLC98, Hsi01]. **Objective** [KLE18, SFM⁺19, PB14]. **Observability** [CLMZ10, CM13]. **observability-based** [CM13]. **Observation** [LL15, HW14, Pom13]. **Observing** [DBK⁺18]. **Obstacle** [HLG⁺15, HGLC16, LLLL18, WSRH16, Yan20, LYKW09, SMYH07]. **Obstacle-Avoiding** [HLG⁺15, HGLC16, LLLL18, WSRH16, LYKW09]. **Obstacle-Aware** [Yan20, SMYH07]. **obtain** [MS00]. **Occupancy** [ZHC⁺18]. **Octilinear** [HGLC16, Yan08]. **Off** [FG18, PDN00, RJL⁺09, WPHL08]. **off-chip** [PDN00]. **Office** [GCL⁺16]. **Offline** [MGR⁺15]. **Offlining** [JPM⁺19]. **offs** [FHHG12, PCC09, WVYG99, WGDK07, XPSE12]. **OLED** [LKH19]. **On-Chip** [ALL17, JNS⁺17, JZYZ15, SCK18, SMBT19, ZYPC17, LCOM07, PDN00, ZSZ10, ADS⁺09, CCL04, KP13, LH13, NR03, PPK09, YLP⁺13, ZM07]. **On-Demand** [AAA15]. **Once** [CHBK15]. **One** [XFJ⁺16]. **Ones** [PB12]. **Online** [MBD⁺20, ZAJ⁺12, ADDM⁺13, CSAHR07, RAKK12]. **Only** [CHBK15]. **Opamp** [Shi20]. **open** [BCR⁺08, BD05]. **open-source** [BCR⁺08]. **OpenCL** [TL19]. **Operating** [TWL16, TL19, PMB10]. **Operation** [BPTB17, CLMZ10, GDTF17, MACV14, KJR⁺07]. **Operations** [BC16, LWZ⁺19, LXWC20, 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, BHLG19, CZW19, CYH19, CK16, DHVW18, DZCD15, GLY⁺12, GK07, HLG⁺15, HS19, JPHL16, JNCS19, KKK12, KKS16, LHC16, LZSV15, LH11, LYCP17, PTS⁺20, PPP⁺15, PY20, SFM⁺19, SYHL14, SRTG19, SHL⁺19, 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, MJB19, VA17b, ZABGZ17, ZYS12, KCA04, SY07]. **Optimizing** [GYT12, KSK⁺05, LPP00, LAS01, RBWB20, SYZ08, ZLW⁺15]. **optimum** [Das04]. **Orchestrated** [SAL19]. **Orchestration** [EW18a]. **Order** [DZCD15,

KQP⁺¹⁹, LYSO19, 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, LM19]. **Overview** [SLP⁺¹⁹].

P3 [HK18]. **package** [BC05, LC13, LCJ⁺¹⁰].
packaging [VLH98]. **Packet**
 [MS17, VNS19, 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, BHLG19, 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**
 [WDL17, ZLL⁺¹⁶, CFHM09, WY06].
partition-based [CFHM09].
Partition-Level [WDL17]. **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, NPH⁺²⁰, BH03,
 FNMS01, OKC08]. **pattern-based**
 [OKC08]. **Patterning**
 [LZ17, SHL⁺¹⁹, 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]. **Pegged** [IK19].
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, LS19, 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, SBY+20].
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]. **Phenomena** [ADB+19]. **Physical** [CO18, HLHT08, SKM+16, YD16, GWR13, HMVG13, MLG12, SYL09]. **Piecewise** [HBPW14]. **Pin** [XYG+16, Yan20, OWH08, XTW05].
Pin-Access [XYG+16]. **Pipeline** [CRC15, RPKC05]. **Pipelined** [CHBK15, LF12, MRL+20, 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, MJB19, 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]. **Plaintext** [HYK+20]. **planar** [DPNB02]. **Planning** [XYG+16, YYG+16, LC13, LHZ+06, MKBS05, SBC08, XTW05]. **PLAs** [LWH06].

Platform

[APD+11, IGN18, VGG19, FNP09, JCS+08, RFB10, ZHM07, PBSV+06].
Platform-aware [VGG19].
platform-based [ZHM07, PBSV+06].
Platforms [BS14c, ETAV18, LS11, LMS16, MBD+20, RS18, TBCH17, VGG19, 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, WFT+19, 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]. **Post** [PTS+20].
Post-silicon [PTS+20]. **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, NPH+20, PJJ14, Ped96, PTC+15, SCK18, SC00, SBC08, SYHL14, SCS10, SESN15, TWL16, TRM+16, TMDF10, TCL14, VNS19, 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]. **power** [PR96, RFB10, 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** [CPK20, Pie16, VJBC07]. **Practice** [MDM⁺12, SSCS10]. **PRAM** [KYL16]. **precedence** [ZAZ13]. **Precise** [Ali12]. **predefined** [PSK08]. **Predictability** [NSCM17]. **Predictable** [VGG19, WLZ⁺19, 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]. **Preventing** [YCL⁺20]. **Primary** [Pom16a]. **Principle** [CHBK15]. **Principles** [SBY⁺20, Ped96]. **Print** [DZCD15]. **Printed** [GDTF17, OW06]. **Priority** [IHM15, KPF16, LMS16, WDZG16, 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, BHLG19, 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, HVMG13, JSG09, LPP00, NM13, TYH08, ZHOM08]. **Processor** [HKL⁺15, ISE08, LHLP16, LYHL14, LF12, NSH⁺16, NRZ⁺18, OHA19, SPT⁺17, VLGG01, DHZ⁺11, GG04, Giv06, HGBH09, KBA08, LMB⁺12, OCRS07, PDN97, PDN00, RFB10, SGD10, WKR09]. **processor-based** [PDN00]. **Processors** [CRC15, JZYZ15, 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** [ZSZ10]. **Profiling** [SMBT19, THC⁺14]. **Profiling-Based** [SMBT19]. **Program** [HKL⁺15, BGN⁺07, RAKK12, WWC04]. **Programmable** [GHYR19, WSS⁺18, ZK15, CH02, CD96, LSPC14, MSD06, PTC05, PWY05, WV02]. **Programming** [ETAV18, KLSZ11, TZ17, WLZ⁺19, 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** [AL19, MCD12, KPR06, RCD07, YH97]. **Properties** [CVMP19, HBPW14, RGT⁺¹⁴, WFT⁺¹⁹, BDC08, BH03, BFP08, BZ08]. **property** [KHP05]. **Protect** [MLH⁺¹⁷]. **protected** [LSDV10, RMB10]. **Protecting** [DFM15, GSFT16, YBS⁺¹⁸]. **Protection** [GDTF17, SLP⁺¹⁹, 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** [IK19, 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]. **Quadratic** [AL19]. **Quality** [BZWZ17, JSS⁺¹⁹, LKH19, Pom19b, BHW⁺¹³, XPSE12]. **Quality-Assured** [JSS⁺¹⁹]. **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, SABSA15]. **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** [CJJK19, HDZ⁺²⁰, LD17, MDG98, PB12, PHKW12, TY97]. **rates** [ACT13]. **Ratio** [WLLH16, Das04]. **RC** [KM97, VEO16]. **RDL** [Yan11]. **Reachable** [XLNB17]. **React** [ADB⁺¹⁹]. **Reaction** [LHC16]. **Reactive** [WLZ⁺¹⁹, ZABGZ17, PSL⁺⁹⁸].

Read [JSA18, PPP⁺¹⁵, WHXZ13]. **Real** [CHBK15, CH17, FG18, HXC⁺¹⁸, KPF16, LSCK20, NSH⁺¹⁶, PSNC18, SSC17, SBY⁺²⁰, WLZ⁺¹⁹, WDZG16, WJG⁺¹⁹, YRH11, ZLW⁺¹⁵, APB⁺⁰⁸, DRG98, HMVG13, MHQ07, PEPP06, PW99, WLL⁺¹¹, ZAZ13]. **Real-Time** [CHBK15, CH17, FG18, HXC⁺¹⁸, KPF16, LSCK20, NSH⁺¹⁶, PSNC18, SSC17, SBY⁺²⁰, WLZ⁺¹⁹, WDZG16, WJG⁺¹⁹, 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** [Yan20, Yan08]. **ReChannel** [RHA08]. **Recognition** [GFJ16, RG19]. **recompilation** [GF10]. **Reconfigurable** [ADB⁺¹⁹, AVG19, BKW15, CPS16, EK16, JPHL16, MLC08, MRL⁺¹⁹, ORGD⁺¹⁵, SSC17, SVK17, ZLQ15, ZMS⁺¹⁹, ARLJH06, GDG⁺⁰⁸, HBC⁺⁰⁸, HW14, JBC⁺¹⁰, KKMB02, KLSP11, LCK⁺⁰⁹, RHA08, WKR09, WLC02, YLP⁺¹³, YGH⁺¹⁰, YLL09]. **Reconfiguration** [CAOM19, 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]. **Recycling** [TCW20]. **Reduce** [CIX15, JK10, Pom16c]. **Reduced** [PAV17, AMM⁺⁰⁶, SBH⁺⁰⁶]. **reducible** [BC11]. **Reducing** [ASAP17, BFG⁺¹⁹, BWB14, CJJK19, HH09, Kan06, KLJ14, LYCP13, PR11, SYHL14, KTKO13, MB04, PGB01, TKVN07]. **Reduction** [ABC⁺¹⁷, BDB12, FLWW02, PTC⁺¹⁵, Shi20, WB16, WDL17, WH19, WLH20, 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** [CJJK19, JLK15, CMNQ08]. **Redundant** [KMO⁺¹², SHL⁺¹⁹, PGB01]. **reference** [AOC02, SM00]. **refinement** [CLM⁺¹⁰, GGB97, MS08, MOZ06]. **refit** [DVA02]. **Refresh** [CJJK19, 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** [PJJ14, STL⁺¹³]. **Relaxation** [LGGJ14, PY20]. **Relaxation-Based** [PY20]. **Release** [SZB17, YP10]. **Reliability** [APS18, CET16, CCK⁺¹⁸, KMO⁺¹², LHJ12, PPP⁺¹⁵, RMB10, TK18, WXH⁺¹⁹, 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** [CJJK19, KMO⁺¹², PSNC18, MRMP08, NR03]. **Repairable** [KMO⁺¹²]. **repeating** [LWC07]. **Replacement** [CZW19, JCK⁺¹⁸, CCW08]. **Replay** [ZLQ15, EY12]. **Replication** [DFM15]. **representation** [CCQ98, YYC09]. **Representations** [KQP⁺¹⁹, YCCG03]. **Representative** [FYCT15]. **Request** [AL19, 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** [KKL15]. **reset** [SPA⁺⁰³]. **Residential** [VA17a]. **Residue** [MGR⁺¹⁵]. **Resilience** [LWC18]. **Resilient** [BJX15, BC16, CRC15, KKLP15]. **Resistance** [KYL16]. **Resistant** [Kha12]. **Resistive** [EBR⁺⁰⁹, LWZ⁺¹⁹, TLCF16, WFT⁺¹⁹, XNZ⁺¹⁵, LLQ⁺⁰³, SKCM06]. **resolving** [Das09]. **Resource** [CET16, DK08, FS13, HC17, KK14, LF12, MBD⁺²⁰, TCL14, WG11, WLH20, WGS16, BDB98, CFX09, HLKN07, Kuc03, LSDV10, MKK13, MJM11, NR01, WGDK07, YWW10, ZHOM08, KMR18]. **Resource-aware** [FS13]. **Resource-constrained** [WG11, WLH20, LSDV10, NR01, ZHOM08]. **Resources** [JNS⁺¹⁷, PGB01]. **Response** [CH17, PMS15, SSO16, DC07, SCJ01]. **Responses** [XCW12]. **Restore** [ZZCY17]. **results** [AYM05]. **Resynthesis** [WPR⁺¹⁹]. **Retargetable** [PHM00, AMR00, KKJ⁺⁰⁸, VLG01]. **Retargeting** [DZ18, WJYZ11]. **Retention** [CJJK19]. **reticle** [WLT08]. **Retiming** [BOC00, HMB98, HLHT08, SSP04, Zho08]. **Retiming-based** [BOC00]. **Retracing** [LLLL18]. **Reuse** [AC06, BFP08, NAK20, OHA19, IBMD07, LSPC14, RSR01, VCLD03]. **Reuse-based** [OHA19]. **Reusing** [CCL04]. **Revealing** [CM19]. **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, LYSO19, PTS⁺²⁰]. **RF-Interconnect** [HCZ⁺¹⁶]. **RF/Analog**

[LYSO19]. **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]. **Robustness** [BHLG19]. **Role** [CK19]. **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** [PMT20, TCL14, XS16, CLYP09, JCGP05, MLC08, TDF⁺09, wATkK02]. **Routers** [JM14]. **Routing** [GKM05, JD18, LHJ12, LLLL18, LKC⁺18, MAS⁺20, MCZ⁺16, RGM15, RBWB20, TZ17, WLLH16, XYG⁺16, Yan18, Yan19, Yan20, 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]. **RRAM** [LXWC20]. **RRAM-based** [LXWC20]. **RTGC** [ZLW⁺15]. **RTL** [BK00, BBD00, BFP08, BFV15, Fuj05, GS00, LV14, PGB01, PSK08, XK97]. **Rule** [KMO⁺12, MS17, VNS19, RS98]. **Run** [DP02, HMLL11]. **Run-time** [DP02, HMLL11]. **Runtime** [BHW⁺13, LL15, NRZ⁺18, WXH⁺19, 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, OK20, 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** [BLUS19, DCK09, EK16, KW16, GPH⁺09]. **Scenario-Aware** [BLUS19, 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, ENP20, JOH17, KPB19, LHW97, MAS⁺20, PMS15, SSC17, SAL19, SZB17, WCB15, WDZG16, WWCT18, WJG⁺19, 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, KKL15, KLK⁺17, LTYW12, WHRC12, WH20, XS16, HCK13, KSA⁺10, XLCL13]. **Schemes**

[MGR⁺¹⁵, CSC08, KCKG13]. **Score** [XLL⁺¹⁶]. **scratch** [IBMD07]. **scratch-pad** [IBMD07]. **Scratchpad** [CPS16, DFM15, BD14]. **SCRIPT** [NPH⁺²⁰]. **Scrubbing** [SVK17]. **Search** [RFG20, VCLD03, CMB07, DVA02, YWW10]. **search-based** [DVA02]. **Search-space** [RFG20]. **Searching** [DK16, SYZ08]. **Section** [BMdG17, CO18, KLSZ11, YD16, CH10a, CLQ12, HJ08, JW08, KLSZ09, MD13, RBA⁺¹²]. **Secure** [BHK17, LSCK20, YCL⁺²⁰, HBC⁺⁰⁸, ISE08, HRK18]. **Security** [CPK20, GQW19, HMO⁺¹⁴, LHL16, LZSSV15, LMS16, MAS⁺²⁰, MPM⁺¹⁷, NSCM17, SLP⁺¹⁹, TK18, YSF⁺¹⁸, DP04, IAI⁺⁰⁹]. **Security-Aware** [LZZSV15, LMS16, MAS⁺²⁰]. **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, SHL⁺¹⁹, WCB15, XYG⁺¹⁶, SEN05, SZV⁺¹²]. **Self-Aligned** [SHL⁺¹⁹, XYG⁺¹⁶]. **Self-Measurement** [CRT19]. **Self-Test** [EO19, SBB⁺¹⁸, WCB15]. **self-testing** [SEN05]. **self-tuning** [SZV⁺¹²]. **Semantic** [Pie16]. **Semantics** [KC98]. **Sense** [ADB⁺¹⁹]. **Sensing** [LSCK20, 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, RG19, 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, LFC12, MCD12, OT15, Pom19b, DPNB02, Hua01, LP03, LCD07, LLYW10]. **Sets** [Pom16b, YRH11, PR07, TCP97]. **SEU** [JLF⁺¹²]. **SG** [KPB19]. **SHAIP** [HRK18]. **Shannon** [GBR07]. **shaped** [Meh98]. **shapes** [LM96]. **Shaping** [KLK⁺¹⁷]. **Share** [RG19]. **Share-n-Learn** [RG19]. **Shared** [KLJ14, ZAZ13]. **Sharing** [LF12, RG19, TCL14, WGS16, BDB98, DK08, SHLL98]. **shield** [LXCH04]. **shielding** [Mut09]. **Shift** [PTC⁺¹⁵, WC10, WWW⁺¹², LWK11, WPHL08]. **shifter** [Kag05]. **Shifts** [LS19]. **short** [SSP04]. **short-path** [SSP04]. **Shuffling** [HHK⁺¹⁷, KJR⁺⁰⁷]. **shutdown** [HW00]. **SID** [LHK⁺¹⁵]. **SID-Based** [LHK⁺¹⁵]. **Side** [DZS⁺¹⁸, NPH⁺²⁰, ZBPF18]. **Side-Channel** [DZS⁺¹⁸, ZBPF18, NPH⁺²⁰]. **sided** [Yan19]. **Sigma** [ZYW⁺¹⁸]. **Signal** [MFHP12, STGR15, WGT⁺¹⁷, ZSY18, CPW04, LLC13, SR12, TYH08, XZC09]. **signal-integrity** [XZC09]. **Signals** [Yan16, MKW08]. **Significance** [MHA19]. **Silicon** [HAB⁺¹⁷, PTS⁺²⁰]. **Similarity** [YRH11]. **Simplifying** [HA05]. **Simulated** [ZYS12, SMYH07]. **simulating** [RHA08]. **Simulation** [BLUS19, 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, Yan19, Yan20, 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-Layer** [Yan20, Yan19]. **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, TCW20, 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** [AL19, HXC⁺¹⁸, HK18, SKM⁺¹⁶, YMB15, ZHC⁺¹⁸, JS13, AL19]. **Smart-Gateway** [HXC⁺¹⁸]. **Smart-Grid** [HXC⁺¹⁸]. **Smart-Hop** [AL19]. **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** [WFT⁺¹⁹, 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, RFG20, SW12, VCLD03]. **space-efficient** [ARLJH06]. **spaces** [BC11]. **spacing** [MKW09]. **spare** [ACT13]. **Spatial** [GFC⁺⁰⁹, RB19, 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]. **Split** [YCL⁺20]. **SPMCloud** [BD14]. **Spread** [MJB19]. **SQLite** [LLP⁺16]. **SRAM** [CCC⁺09a, HHL14, JLF⁺12, NdLCR03, ZYW⁺18]. **SRAM-based** [JLF⁺12]. **SRAM/71mW** [CCC⁺09a]. **SRAMs** [RM09]. **SSA** [MHA19]. **SSA-AC** [MHA19]. **SSAGA** [SBR⁺17]. **SSD** [WHXZ13]. **SSDs** [GSD⁺18, HC18]. **SSER** [PHKW12]. **Stability** [HHL14]. **Stack** [WDZG16]. **Stacked** [SYX12, THM15, LHZ⁺06]. **Stage** [LZ17, Shi20, KSA⁺10]. **Stage-form** [Shi20]. **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, MHA19, 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, ZMS⁺19, 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]. **Stress** [LS19, WXH⁺19]. **Stress-Induced** [LS19]. **striping** [CCYC14]. **Structural** [CML98, CH00, AYM05, CL99a, HA05, VLH98]. **Structure** [KKHK16, FWCL05]. **structured** [THL⁺13]. **Structures** [TB20, BK00, DDFR13, GMN⁺13, Hua01, Meh98]. **STT** [JZYZ15, LSL⁺13, SABS15, SMBT19, WSS⁺18]. **STT-MRAM** [SMBT19]. **STT-RAM** [SABS15]. **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** [Yan20, 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** [BSP⁺19, BM11, JLK15, SLP⁺19, WCCC14, XRS⁺19, 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, LM19, 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, FLWW02, 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** [OCK19, CZW00]. **symmetries** [CMB07]. **Synchronizing** [MDM⁺12]. **Synchronous** [CH17, HPB11, PMS15, TB20, 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, OCK19, 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, NAK20, NRZ⁺18, PDS12, PPDK09, Pie16, PBSV⁺06, RFG20, 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, RFG20, 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, SLP⁺19, KPR06, RPKC05]. **SystemC** [BK10, CVMP19, HV07, WWFT12, ZMS⁺19, RHA08]. **SystemC-AMS** [CVMP19, ZMS⁺19]. **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, LZSSV15, LMA⁺16, LL19, MRL⁺19, NSH⁺16, ORGD⁺15, PPP⁺15, PSNC18, PG15, PBZM19, PY20, QBTM16, RFG20, RG19, SSC17, SPT⁺17, SBY⁺20, STWX12, SS14, SAL19, TB20, THT12, TL19, WLZ⁺19, WHRC12, WQC⁺16, XPZ⁺18, XGC⁺20, YRH11, ZLW⁺15, ZMS⁺19, 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, QS09, Rak09, RSR01, SCB01, SLXZ12, SUC01]. **systems** [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]. **Tampering** [HYK⁺20]. **Tandem** [MSR09]. **Tapered** [KKHK16]. **Target** [KGS⁺20, KYL16, Pom20, FS13]. **Targeted** [SNL12]. **Targeting** [LPD⁺17, JBC⁺10, MLMM08]. **Task** [ENP20, LMA⁺16, SZB17, DCK07, GK14, GBC07, YLL09]. **Tasks** [CH17, SSC17, WJG⁺19]. **taxonomy** [KP13]. **TCAM** [VNS19]. **TCONMAP** [HABS15]. **tdf** [ZMTC13]. **TDM** [VGG19]. **TDM-based** [VGG19]. **Technique** [CV17, JK10, JPM⁺19, LGGJ14, SBB⁺18, DHV⁺00, HLC07, 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, LCB00, LHW97, LHCT05, LVL03, OCRS07, OK08, PCD⁺01, RJSB09, TY97, TBZ13, TYH08, VMP⁺00, XK97, ZHOM08]. **Technologies** [SN10, BC08]. **Technology** [BFL10, CHY05, DKT⁺16, DBK⁺18, HABS15, JZYZ15, SABSA15, 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, LYSO19, MCD12, NSCM17, Pom15a, Pom15b, Pom15c, Pom16b, Pom16c, Pom17a, PAV17, Pom18a, Pom19b, Pom20, RJ14, SBB⁺18, TBZ13, WCB15, WWCT18, WH19, WH20, 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, Pom20, DNA⁺12, PR09, Pom13, Pom14a, Pom14b]. **text** [LDK99]. **text-compression-based** [LDK99]. **Theft** [BTP⁺20]. **Their** [MLH⁺17, DSK01]. **theoretic** [HR06]. **Theoretical** [TB20, SB98]. **Theories** [PG15, YW09]. **Theory** [MDM⁺12, JWL⁺03]. **Thermal** [CK19, CLT⁺15, CXH⁺16, CVMP19, CR12, DCK10, JGM14, LCK⁺09, LHW⁺17, LDD⁺18, MDR15, OCK19, SBY⁺20, WMT⁺16, ZHC⁺18, ADDM⁺13, ANR13, GK14, LH13, LHZ⁺06, LTP10, QSK12, WTL⁺13, WJY⁺07, YHH09, ZAJ⁺12, ZSZ10]. **Thermal-Aware** [SBY⁺20, SYX12, OCK19]. **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, WXH⁺19, Yan00, Vah02,

YYC07, YYC09]. **Three-Dimensional** [RGM15, KQP⁺19, WXH⁺19, YYC07, YYC09]. **Three-layer** [Yan00]. **three-step** [Vah02]. **Threshold** [CZW19, DHVW18, SV16, SHN12]. **Throughput** [HCRK11, HIW15, KLJ14, SESN15, CJLZ11, GM08, SKS12, SHN12]. **throughput-aware** [SKS12]. **Throughput-Optimized** [HCRK11]. **Thwart** [BTP⁺20, LSCK20]. **Tier** [SSL17]. **tightly** [LMB⁺12]. **tightly-coupled** [LMB⁺12]. **Tightness** [APS18]. **Tiled** [DK16]. **Tiled-DNUCA** [DK16]. **Time** [APDC17, BB17, CHBK15, CH17, CJKK19, FG18, HXC⁺18, IGN18, KPF16, KPB19, LM19, LSCK20, NSH⁺16, PSNC18, PY20, SSC17, SBY⁺20, WLZ⁺19, WDZG16, WJG⁺19, 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-Division** [PY20]. **time-domain** [LTPR⁺13]. **Time-Multiplexed** [LM19]. **Time-Triggered** [BB17, IGN18, KPB19]. **time/resource** [WGDK07]. **Times** [PMS15]. **Timing** [CZW00, CB17, HIW15, HS19, JNCS19, KKK12, LVS16, LJ18, LWC18, LYCP17, LNG⁺16, LL19, MJM11, MKW08, TB20, VBP⁺19, 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, ZMS⁺19]. **TLM-to-RTL** [BFP08]. **TODAES** [CH10a, KLSZ09, BC08, GK09, QS11, TK18]. **Toffoli** [MDM07]. **Toggles** [TPC⁺17]. **Tolerance** [GVJ15, JPM⁺19]. **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** [IK19, YFT17]. **track** [LCC11]. **Tracking** [HMO⁺14, NPH⁺20, 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, JSS⁺19]. **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**

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