A Complete Bibliography of *ACM Transactions on Embedded Computing Systems (TECS)*

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03 November 2016
Version 1.64

Title word cross-reference

3 [CCY+13, DSXS+14, HH13, HL14, LQN+13, MSCS16, PRB15]. μ [LN04, WPW+04].

-MRAM [ZBCM09].

12 [BLG+15]. **16-bit** [KG05]. **1s** [Ano13, Ano14].

2011 [SN10]. **2015** [EE16]. **2s** [Ano13, Ano14].

3s [Ano14].

4s [Ano14].

5s [Ano14].

6 [GIA11]. **61499** [YRS12].

A9 [SOL+16]. **AADL** [GGGK08]. **abstract** [HDR+06, RRW05, WBF+06]. **Abstraction** [SKKR11, ADI06, PDBR08, RS07]. **Abstractions** [SPP+10]. **Abstracts** [Ano13, Ano14, TEC12]. **accelerate** [LHM14]. **Accelerating** [ZHCY13]. **Acceleration** [GIA11]. **Accelerator** [GZZ+16, SXXS+16a, SXXS+16b, TLLL09]. **accelerators** [KJRG13, MSH+14]. **Access** [GDN03, IFA+16, KCWH14, KKCS16, LYH+15, TVK08]. **Access-Aware** [LYH+15]. **accrual** [WRJL06]. **Accuracy** [MKR13, AC08, PSZ12b]. **Accurate** [KCJ+16, TKT15, VJD+07, VDK+08, LM13,

LLC+13]. **ACDC** [SRG+15]. **Achieving** [GHZH14, LPFG13]. **ACM** [BLG+15]. **acoustic** [PSZ12b]. **acoustic-based** [PSZ12b]. **Action** [KMP15]. **Active** [WDY+16, SPK+12]. **Activity** [HZX15, TLL+12, WLWS15, ZRF+12, HXZ+13, NRL13]. **actor** [FZK+10, LLN09, ZL08, RBS+10]. **Actor-based** [RBS+10]. **actor-oriented** [LLN09]. **Actors** [DPNA16]. **actuation** [PCM12]. **ad** [KDN+07]. **ad-hoc** [KDN+07]. **adaptable** [LB04, MSL13]. **adaptation** [ASTPH10, WYJ+14, ZC04b]. **Adaptations** [KRS+16]. **Adaptive** [CSW15, CLL16, CAPL11, CCAP12, DAHM16, HHC+16a, MALM04, MKD13, MF12, PMPP14, SSH14, TXL+12, WLH16, ZTRC03, ZLL+11, ZSJ12, BO13, CWKH12, CCH13, DEG11, GMOB13, LKW02, TSG10, VSSS13, HBSA04]. **adder** [DBH14]. **Address** [SEB12, CKIR06, HABT11, JKJ+10, ZP08]. **Address-Code** [SEB12]. **Addressable** [YCT16]. **Addressing** [YZA13]. **adjusting** [Wu10]. **Advanced** [LAZ+16, PJWY12, BCG+07, ISTE08, SBF+05]. **affine** [NNS13]. **Against** [KKL+16, ARJ11, Geb04]. **agent** [GNR+10, PCBW13]. **aggregates** [LXK10]. **aggregation** [HBSA04, LS12]. **aggregators** [WSK14]. **Agnostic** [ZLL+11]. **Ahead** [WZH13]. **AIDA** [HBSA04]. **AiDe** [BKMG12]. **Aided** [CD12, LLL14]. **Algebraic** [AGS+16, MM16]. **Algebraic-Wavelet** [MM16]. **Algorithm** [Ahm13, BRA+16, CLS16, KAKSP15, KKD+12, MM16, PJWY12, QP15, CCH13, DNNP14, GNS04, LHCK04, LCH+08, NBGS09, PMPP14, PL10, TJ10]. **Algorithm/Architecture** [KKD+12]. **Algorithmic** [ORA16]. **Algorithms** [GIB+12, RN14, SSS11, SGW+16, GNW05, HABT11, PBP09a, PBP09b, ZC08]. **Alignment** [GW15]. **all-optical** [KYHY14]. **Allocation** [JLW+15, AF14, ABS02, DF14, ESAS14, KK05b, LXK10, LOXL13, NDB09, PAP+12, UDB06, ZZZ+12, ZLF13]. **Allocator** [YC16]. **alteration** [SKPL10]. **alternative** [ZNS13]. **ambulatory** [WYP+10]. **AMS** [WZH13]. **Analysis** [ARJ08, ARP12, AKTM16, BKMG12, BDG+15, BB13, CR14, DHKS15, DJZ13, FZK+10, FMSS15, GWM16, GZZ+16, HFA+14, LL15, McI13, MHT13, MAGR15, NS16, NBM+16, PC14, SRNW16, SR12b, TBEP16, WCM+16, YGW+12, ZLLC15, ZSJ12, AF14, ADI06, AFL13, BAR13c, BGVZ11, BC07, CMV10, CCR+14, Cul13, DNNP14, GW08, GT05, GLYY14, HHB+12, LLLT08, LLTL09, MEP04, MMR+10, SD08, SE10, SHME13, SAMR06, SE07, TM07, VAR13, ZSM13, ZB13]. **Analytic** [WW09]. **analytical** [LM13, WMZY13]. **Analytics** [DLPK16]. **analyzability** [NKP+12]. **Analyzable** [CQV+13, CD12]. **Analyzing** [BS13b, HKVI05, JZL+15, MKD15, PP12, YZ08]. **anchors** [CTK+13]. **Android** [SKK+14, STY+14]. **Anonymous** [SBR+15]. **App** [KJKM16]. **appear** [TEC12]. **appearance** [KMB07]. **appliances** [Edi14, GLWM14]. **Application** [BBM15, BO13, CCKM16, CHS15, DASS12, DSXS15, DSW+09, HPBL12, KAKSP15, LKW02, LX16, MSCS16, PSZ12a, PÖG+13, RC08, SCRY16, WP11, WMLM12, BM13, yCBR05, HBSA04, JHPR13, LLR14, MMR+10, NSL11, XWHC06, ZNS13]. **Application-adaptive** [LKW02]. **Application-aware** [BO13]. **Application-Focused** [HPBL12]. **application-independent** [HBSA04]. **Application-Specific** [DASS12, PSZ12a, RC08, WP11, BM13, yCBR05, JHPR13, XWHC06]. **Applications** [CAPL11, ETAV16, KKD+12, KCJ+16, KMP15, MKD15, MASG15, TDD+16, TP16, UBF+16, ZDZ14, ZSJ12, AMCM06, ABC+07, CMV10, CLK13, CD10, CCAP12, Dea06, DKAL05, FO03, GFC+10, GHB13,

HHB+12, IHK04, KVN+09, KBDV08, KZH+06, LO13, MEP04, MEP08, MAG14, DWCM14, PCK+08, QP03, RMM03, SGT+13, SJC+03, SPP+10, UCK+09, YG02, YCLV+02, ZNS13, ZWY+10, ZXS03]. **Applied** [BGRV15, LCQ+13]. **Approach** [APRC16, ETAV16, LYH+15, McI13, NBM+16, WZ12, ZRF+12, BvB13, CAP+07, CRM14, FZHT13, GNR+10, JHPR13, KKH+12, LLL14, LM13, MSCJ12, MSS+03, OMA+13, PB14, ZCS+05, ZKKC05]. **Approaches** [GWM16, HGL14, LSC14]. **Approximation** [PC14, NBGS09, ZX08]. **Arbiter** [CCKM16]. **arbitrary** [LA11]. **arbitration** [PL10]. **architectural** [VGG+13]. **Architecture** [CHK+14a, DASS12, KKCS16, MCSW12, MSR+12, MZG15, SK13, SSS11, TKT15, AP09, AAPN14, BCLN13, Bec09, BO13, CIC+08, CIC+09, DSW+09, GJ13, GDN03, GM03, GLWM14, HPLD09, ISE10, KVK+03, KXL10, KYHY14, KGR12, KTT13, LS09, MMSN14, MMD04, PCK+08, PBP09a, PBP09b, RDM06, RMD09, SKW+07, TKG13, THON12, YFPJ14, ZCK13, ZVL04]. **Architecture-Aware** [MZG15]. **Architectures** [ARDG16, BBB16, CHS15, CDH+16, DSXS15, DLPK16, FSC+16, MG15, MKD15, THA+12, WSHC14, BP14, BvB13, BMP03, BCG10, CP13a, GMOB13, HG09, IBMK10, LOG+14, LWK+10, LXL13, MF13, NB04, PCM12, PDBR08, SBX08, SM13a, ZTD+06]. **Area** [BKMG12, BTL+12, KSK13, TLL+12, CRM14]. **Area-efficient** [KSK13]. **arithmetic** [OP06, RGdZS14, TSG10]. **arithmetic-level** [OP06]. **ARM** [DVC+07, SOL+16]. **Array** [FO03, BDP+13, WL09]. **arrays** [VSSS13]. **Art** [Shu15b, WGP04]. **Article** [BLG+15]. **Artistic** [SRY13]. **ASIC** [AVF+09]. **ASIP** [SKW+07]. **aspect** [DRL+10]. **aspect-oriented** [DRL+10]. **Assessment** [HPBL12]. **Assignment** [AR14, LBS15, MBP14, MF12, PLM+15, RN14, SR12a, SEB12, CKIR06, HABT11, LO13, MEP08, OOAL06, PL10, QRB10, ZZZ+12]. **assisted** [CCY+13, HLD+09, LOG+14]. **Association** [GZZ+16, YCLV+02]. **Association-Rule** [GZZ+16]. **associative** [LPC+07]. **assumptions** [CJMB05]. **ASTROLABE** [NBM+16]. **asymmetric** [ESAS14, GLWM14]. **asynchronous** [KW10, KASD07, ZM07]. **asynchrony** [CW14]. **Attack** [IPL16, PS08a, YGW+12]. **Attack-Resilient** [IPL16]. **Attack-tolerant** [PS08a]. **Attacks** [ARP12, DBFH14, ARJ11, Geb04, WGP04]. **audio** [TKG13]. **Authenticated** [DS11]. **authentication** [DLN13, LN04]. **Automata** [JFK15, SH15, BS13b]. **Automated** [CDD+07, FC16, NNS13]. **Automatic** [CMK12, GNP06, GGJ12, HVG13, LLC+13, TM15, TFL16, VNK+03, AFG08, BAR13c, IBMK10]. **Automation** [SVZ13, LCQ+13]. **automaton** [TLLL09]. **automaton-matching** [TLLL09]. **Autonomous** [Kha13, MM16, WMLM12]. **Auxiliary** [DL12]. **availability** [FF09]. **Available** [KCJ+16]. **average** [MLL08]. **avionics** [ABC+07, NKP+12]. **Aware** [BMAB16, CWH+16, DAHM16, FS13, FMSS15, FC16, HDG+14, HB16, JLW+15, JEP16, KKD+12, KRS+16, LYH+15, MSR+12, MZG15, PSZ12a, SOL+16, SXXS+16a, TBEP16, TLBM15, WLWS15, YC16, ACK+13, BMP03, BO13, DKV14, DJS16, FZJ08, GHB13, GGI13, GNR+10, HH13, JC03, JP14, KBDV08, KYL13, LO13, LQN+13, MSS+03, MALM04, MAG14, OMA+13, SRS03, YW13, ZC04a, Zhu10, LDV12, SAMR06]. **Awareness** [ZO16].

B [WKC07]. **B-tree** [WKC07]. **Balance** [JNI15]. **Balancing** [FS13, THA+12, Mus10]. **BAND** [BKMG12]. **BAND-AiDe** [BKMG12]. **Bandwidth** [DF14, FBM16]. **bank**

[LXL13, SBX08, ZP06]. **Banks** [MF12]. **BarbequeRTRM** [BMF15]. **Based** [ARDG16, BCS16, BP12, BSJ15, BRL16, CDH+16, DWRR14, DJZ13, FND+16, HPBL12, HSMS16, HPO+15, HPS13, JZL+15, KAKSP15, KKL+16, KCC+16, Kwo16, LL15, LPFL16, LZL15, MSCS16, MCS+15, MS13b, MKD15, PYJL15, PJWY12, PGR16, SPC+16, SCRY16, UM13, WWY13, WDY+16, WZ12, XHK16, YC12, YLW15, YCT16, ASTPH10, ABS02, BGD14, BD14, BZ13, BFQ10, CCA+13, CYKH13, CC13a, CGV10, DEG11, DLN13, FZHT13, GW08, GFC+10, GD14, GDN03, HZX+14, HPLD09, JKJ+10, JMO14, KKO+06, KKH+12, KGR12, KT14, LCQ+13, LPC+07, LS13, LLR14, LHCK04, LLLGR13, LV09, Mus10, NSL11, OMA+13, PCK+08, PS08b, PW13, PDBR08, PAS+09, PSZ12b, PGR+08, RS07, SGT+13, SCF12, SKH+12, SBLM13, SB08, SC05, TXL+12, VJD+07, VDK+08, WSK14, YRF10, ZKKC05, ZLF13, ETAV16, GZZ+16, FS14, RBS+10, RSB+09, ZBCM09]. **Based0** [MASG15]. **basis** [RMH04a]. **Battery** [AKTM16, KCJ+16, RV03, ZSM13]. **Battery-Less** [AKTM16]. **battery-powered** [RV03]. **battery-supported** [ZSM13]. **Batteryless** [HTR+16]. **be** [GT05]. **beamforming** [TKG13]. **BeepBeep** [PSZ12b]. **Behavior** [JC12]. **Belief** [HLLL12]. **Benchmark** [MCSW12]. **Benders** [ETAV16]. **benefits** [BAR13b]. **Berkeley** [SVP05]. **best** [MAG14, SRM+13]. **best-effort** [MAG14]. **Between** [DPNA16, NNH+14]. **Beyond** [KMB07, SRNW16]. **Bicriteria** [MG15]. **Big** [APRC16, Shu15a, Shu16c]. **big.LITTLE** [HTC+16]. **Bilinear** [YLW15]. **Binary** [CL13, MBR15, BCDH12, RMH04a]. **biology** [LHM14]. **biopotential** [CNC13]. **Bit** [JNI15, GJ13, KG05]. **Bit-Density** [JNI15]. **bitwidth** [ÖNG08]. **Black** [SOL+16]. **blinding** [KHHH14]. **Block** [Shu16a, TFL16]. **Blocking** [ZC04a, DW10]. **Blocking-aware** [ZC04a]. **Bluetooth** [LLL14]. **board** [CGV10]. **Body** [BKMG12, BTL+12, GGJ12, PP12, TLL+12, ZLL+11, LHX+14, QRB10, WYP+10]. **Boosting** [CMV10]. **BORPH** [SB08]. **Bottleneck** [Ahm13]. **bound** [ZX08]. **Bounding** [WZ12]. **bounds** [LA11, NNS13, RM10]. **Box** [SOL+16]. **Branch** [QZXO14, DNNP14, PO05, ZA07]. **branch-and-prune** [DNNP14]. **Branching** [KMP15]. **breadcrumb** [LHX+14]. **breast** [CCC+14]. **Brief** [BLG+15]. **Broadcast** [PGR16, DLN13, LN04]. **Broadcast-Free** [PGR16]. **Broken** [PL13]. **Buffer** [CSW15, DP08, WBS10, CH10, LPC+07, LWB13, LO13, PMPP14]. **buffer-based** [LPC+07]. **Buffering** [HC16]. **buffers** [IHK04]. **Building** [AEF+14, PL13]. **burstiness** [MRY+10]. **bus** [BD14, LLC+13, PDBR08, PL10]. **bus-based** [BD14, PDBR08]. **buses** [SAYN09]. **bypass** [JHPR13]. **Byte** [YCT16]. **Byte-Addressable** [YCT16].

C [Gar05, LL15]. **Cache** [AB15, BHD15, CHK+14a, CR14, Cul13, GWZ16, JLW+15, Kwo16, LPB06, NS16, QZXO14, RP10, SRG+15, WMGR12, BGD14, BP05, BO13, GRVD12, GLYY14, HKVI05, KVK+03, LKW02, RG13, SE07, VLX07, WAD14, ZVL04, ZVN05, ZKKC05, ZTRC03, UAK+03]. **Cache-Based** [Kwo16]. **Cache-Partitioned** [GWZ16]. **Cache-Related** [CR14]. **Caches** [CR14, KRS+16, SMR15, GRCV03, LM13, TM07, YZ08, YFPJ14]. **caching** [GGI13, UAK+03]. **calculation** [ZHCY13]. **calculations** [VLX07]. **Calculi** [BGRV15]. **calibration** [TXL+12]. **Call** [SN10]. **calls** [KMB07, KASD07]. **CAM** [DEG11]. **camera** [BDP+13, SCF12]. **camera-based** [SCF12]. **cameras** [DZR09, LWK+10]. **CAN** [SKH+12]. **cancer** [CCC+14]. **CAPA'08** [PBP09a, PBP09b]. **CAPA'09**

[Pla12]. **capable** [PMM+13]. **capacity** [WBS10]. **car** [SCF12]. **Card** [SCRY16]. **Cards** [BSJ15]. **care** [BDP+13]. **Carnegie** [KCG+05]. **carrier** [AAPN14]. **Carry** [GWM16]. **Case** [NS16, WZ12, DEG11, KT14, LHM14, MSS+03, SKW+07, SPK+12, VJD+07, VDK+08, WEE+08, YZ08]. **Cash** [SBR+15]. **Causality** [ZL08]. **CCATB** [PDBR08]. **CDMA** [PGR16]. **CDMA-Based** [PGR16]. **Cell** [JNI15, SPK+12, HLLL12]. **center** [BDP+13]. **Centric** [HTC+16, LLLT08, LLTL09]. **Certificates** [BP12]. **CGRAs** [KKL+16, PJS15]. **Chains** [Shu16a, SWL07]. **Challenges** [RRM16, DPP14, HKP08, RRKH04]. **Challenging** [GLYY14]. **Chambolle** [BRA+16]. **Channel** [BTL+12, GW15, GWM16, MM16, CW14]. **Channels** [GAG15]. **characterizing** [SBLM13]. **Checking** [WZ12, CJMB05, Sch10, ZS05]. **checks** [BCS+06]. **Chip** [DLPK16, DJS16, FC16, GIB+12, MST+16, PSZ12a, PRK15, PGR16, WRKG16, AKB14, BP14, BGD14, BD14, CP13a, CHK14b, LJ14, GMOB13, GNR+10, HXZ+13, HQB06, Hüb13, ISTE08, KYHY14, KGR12, LQN+13, PL10, PS10, SRM+13, SJRS+13b, SJC+03, SAYN09, TSBY13, VNK+03, WYJ+14, WMZY13, XWHC06, YFPJ14, YZA13, SSS11]. **chip-multiprocessor** [PS10]. **chip-multiprocessors** [BD14]. **Chips** [LX12, PL13]. **Ciphers** [KPC+16]. **Circuit** [MCSW12, LLL14, ZBCM09]. **Circuits** [LEPP13, SBLM13]. **class** [BCLN13, WBF+06]. **Classes** [LLN09]. **Classification** [SRA12, LCH+08]. **classifier** [SM13a]. **Classifiers** [ORA16]. **Classifying** [TKD07]. **Clients** [GAG15]. **Clocks** [HTR+16]. **Closed** [DEG11]. **Closed-loop** [DEG11]. **Clustered** [DS11, BvB13]. **CMP** [FS14]. **Co** [MBR15, JBN+13, ST05]. **co-design** [ST05]. **co-exploration** [JBN+13]. **Co-Processor** [MBR15]. **Coalescing** [SR12a, AP09, KG05, OOAL06]. **coarse** [VNK+03]. **coarse-grained** [VNK+03]. **Code** [EK12, KD08, LBS15, MBFT09, SEB12, ZXS03, BAR13c, BSB14, CKIR06, CLR05, ELS08, FRRJ07, GRVD12, LLPM07, LSK+08, LCS03, NP04, TBG+13, YW13, ZMB03]. **code-size** [NP04, ZMB03]. **Codes** [MBR15, LJ14]. **Coding** [FS13, PJWY12, KJRG13]. **Coexploration** [KKD+12, MMD04]. **coherence** [LPB06, YFPJ14]. **Collaborative** [AMCM06, HB16, CHTC07, ZHM+14]. **Collection** [CLL16, CKL04, CW14, CSK+02, DKAL05, SP10]. **ColLoc** [ZHM+14]. **coloring** [LXK10]. **Combating** [DBFH14]. **combination** [CHK14b]. **Combinatorial** [PYJL15]. **Combining** [GRVD12, Mos13, ZS05]. **Coming** [SOG15]. **Comment** [BLG+15]. **commodity** [WP11]. **Communication** [APRC16, BHAC15, FND+16, LAZ+16, ZDZ14, GHZH14, ISE10, KASD07, PDBR08, QRB10, SRS03, TKD07]. **communications** [AMN+14]. **compact** [ÖNG08]. **compaction** [DVC+07]. **comparison** [AFL13, MLV09]. **Comparisons** [BBB16]. **compensation** [SGT+13]. **Compilation** [CHS15, JMO14, PGS+13, VNK+03]. **Compile** [AC08, NDB09, UDB06]. **Compile-time** [AC08, UDB06]. **compile-time-unknown** [NDB09]. **Compiled** [RG14, RMD09]. **Compiler** [DJO12, HLD+09, KKC+05, KKK+11, ZP11, AMCM06, PBV07, UAK+03, ZKKC05]. **Compiler-assisted** [HLD+09]. **compiler-based** [ZKKC05]. **Compiler-directed** [KKC+05]. **compiler-enabled** [UAK+03]. **Compiler-Supported** [ZP11]. **compilers** [GM03, LP09a, Sch07]. **Compiling** [NP04]. **Complementary** [WWY13, PB14]. **Complete** [BLG+15, GLT+13, XHSS10]. **complex** [MG05, VHB+13]. **Complexity**

[FMSS15, DRL+10]. **Compliant** [MWF+16]. **Component** [ASTPH10, PW13]. **Component-based** [ASTPH10, PW13]. **Composing** [BCC+08]. **Composite** [PW13]. **Compositional** [SL08, AFL13, DF14, KKH+12]. **Compositionality** [TBG+13]. **Compressing** [LCS03]. **Compression** [MZG15, BCS+06, KD08, PZ12, YDLC10a, YDLC10b]. **Computation** [CL13, CAP+07, HMM04, HPLD09, WBS10]. **Computational** [TBCB15]. **Computations** [LNA+15, RMH04b]. **Computer** [CD12, FF09]. **Computer-Aided** [CD12]. **computers** [LP09b, SB08]. **Computing** [AH13, BLG+15, KM13, PL13, PJWY12, RHG+12, Shu16c, SP12, TP16, DKV14, FZJ08, JC03, JGD+09, LS09, MMSN14, MSS+03, MB10, PGS+13, PBP09a, PBP09b, TSWL10]. **Computing-Based** [PJWY12]. **Concurrency** [BBM15]. **Concurrent** [JZL+15, JM06]. **Conditions** [ARS16]. **Configurable** [CVG+13, OP06, PW13, PBP09a, ZVN05, PBP09b]. **Configuration** [FC13, SL16, SSS11, GRVD12]. **Configurations** [BCS16, JHPR13]. **Configuring** [BLG+15, BHET04, GLT+13, PBP09a, PBP09b]. **conflict** [ZCK13]. **conflict-free** [ZCK13]. **Conformance** [WLT12]. **congestion** [KYL13]. **congestion-aware** [KYL13]. **connected** [Bec09]. **connectivity** [GDN03, KDN+07]. **Conservation** [KNL12]. **Conserving** [MRY+10]. **considering** [ZNS13]. **Consistency** [LLN+14]. **consortium** [HKLH05]. **Constrained** [BSJ15, KKCS16, Bar13a, KAK05, LQN+13, TSG10, UCK+09, WBS10, YRS12]. **constraint** [BvB13, HCQ+14, RS07]. **Constraints** [CCKM16, MBKF15, PSZ12a, CCB+06, HLD+09, KDN+07, LSK+08, MBFSV07, MEP08, NP04, PAP+12, RMM03, SRM+13, WRJL06, YRF10]. **consumer** [RV07]. **Consumption** [MV16, OBSO16, YCT16, Mus03]. **Content** [CWH+16, TLLL09]. **Contention** [LES14, DNNP14]. **Contention-free** [LES14]. **context** [WYS+13]. **Contextual** [KP13]. **Contract** [LPFL16]. **Contract-Based** [LPFL16]. **Control** [BMF15, KKCS16, MBP14, MBLA16, SPK+12, TBCB15, TFL16, WZH13, ZW13, BMM13, BJM13, CAP+07, FC13, KKH+12, KT14, LK10, MTL14, PCM12, RV07, SWT+14, VAHC+06, VGG+13, ZTRC03]. **Control-theoretic** [SPK+12]. **control-theoretical** [MTL14]. **control/data** [VAHC+06]. **control/data-flow** [VAHC+06]. **Controlled** [JNI15, WMLM12, YDLC10a]. **Controller** [GAG15, HDG+14, LCQ+13]. **Controllers** [ARDG16, BDG+15, KML13, NPAG12, SVZ13, KASD07]. **Converging** [Gar05]. **conversion** [AC08]. **convex** [SJRS+13a]. **convolutional** [KSK13]. **Cool** [UAK+03]. **Cool-Cache** [UAK+03]. **Cooperative** [ZZX+15]. **Coprocessor** [LRZ16, BZ13]. **coprocessors** [HMMA04]. **copy** [AP09]. **Core** [HSMS16, MKD15, PGR16, ACK+13, CCC+14, CMP+07, DPP14, LKB14, LOG+14, LLR14, LLLT08, LLTL09, MG05, Mus10, PMM+13, WBF+06, YFPJ14]. **core-centric** [LLLT08, LLTL09]. **Cores** [KRS+16, TDD+16, yCBR05, SM13a]. **Correct** [ARDG16, LPFL16, PB14]. **Correction** [FND+16]. **Correlation** [GW15, TBEP16]. **Correlation-Aware** [TBEP16]. **Correlations** [HC16]. **Cortex** [SOL+16]. **Cortex-A9** [SOL+16]. **Coscheduling** [LK10]. **cosimulation** [OP06]. **Cost** [BLG+15, ZO16, CCH13, CRM14, GLT+13, Mus10, SJRS+13a, SM13b, YFPJ14, ZCK13, ZP09]. **Cost-Effective** [BLG+15, GLT+13, Mus10]. **cosupplied** [MKD13]. **cosynthesis** [KBDV08]. **COTS** [PSZ12b]. **Counter** [ARP12]. **countermeasure** [Geb06].

coverage [YGHS08]. **CPU** [BBL09, ISE10, OFA+15]. **CPU/GPU** [OFA+15]. **Create** [CD12]. **Creation** [SL16]. **Crenel** [LZL15]. **Crenel-Interval-Based** [LZL15]. **Critical** [IPL16, RHG+14, ASTPH10, PJL+14, SVN04]. **Criticality** [AKTM16, HHC+16a, ZGZ15, HGL14, LDRM12]. **Cross** [BDG+15, JCW+16, SRNW16, ZP09, KST+12]. **Cross-Layer** [BDG+15, JCW+16, ZP09, KST+12]. **Cross-Section** [SRNW16]. **Crosstalk** [FC16]. **Crosstalk-Aware** [FC16]. **Crowd** [DBFH14]. **Crowd-Sourced** [DBFH14]. **Cryptographic** [BSJ15, RMH04b]. **Cryptography** [SOG15, Geb04]. **CSP** [Gar05, McI13]. **CUDA** [DLV16, KS13, PGS+13]. **CURA** [LKH16]. **current** [MG05]. **curriculum** [CSVA+05, Sev05, SBF+05]. **curves** [BSKB+09, WPW+04]. **Custom** [KAKSP15, TKG13, HVG13, LSC14, ÖNG08]. **customization** [CGV10, PO05, ZP09]. **Cutting** [AR14]. **CV** [PRB15]. **Cyber** [AFS+13, BHAC15, BKMG12, CKGN14, DWRR14, HZX15, IPL16, KCC+16, LWZ+16, LLN+14, MBKF15, Shu16d, TGV12, WDY+16, ZYM16, BWS14, BJM13, DDG+13, GMOB13, Hüb13, LDRM12, SPK+12, TXL+12, WLT12, YRS12, ZSM13]. **Cyber-Physical** [AFS+13, BHAC15, BKMG12, CKGN14, DWRR14, HZX15, IPL16, KCC+16, LWZ+16, LLN+14, MBKF15, TGV12, WDY+16, BWS14, DDG+13, Hüb13, LDRM12, SPK+12, TXL+12, WLT12, YRS12, ZSM13]. **Cyber-Physical-Social** [ZYM16]. **Cybersecurity** [Shu15a]. **Cycle** [LS12, HHB+12]. **Cyclo** [DHKS15, SLCS16]. **Cyclo-Static** [DHKS15, SLCS16].

D [HL14, CCY+13, DSXS+14, HH13, LQN+13, MSCS16, PRB15]. **Data** [APRC16, DBFH14, FSC+16, JRR16, JLW+15, KK05a, LCJ13, LLN+14, MM16, MF12, PqBM+15, RP03, SRG+15, SPC+16, Shu15a, SWWY13, VLX07, ZZX+15, BS13a, CC13a, HBSA04, HKVI05, LXK10, SAYN09, TBG+13, UAK+03, ZKKC05, ZLF13]. **Data-to-Memory** [FSC+16]. **Databases** [KCC+16, CH10]. **Dataflow** [DHKS15, DPNA16, KAKSP15, MKD15, SLCS16, FZHT13, Gei10]. **datapath** [HMMA04]. **DCT** [HPLD09]. **Dead** [TM15]. **deadline** [MEP08, SN10]. **Deadlock** [HPS13, LX12, WZH13, ZW13]. **debug** [AKB14]. **Debugger** [MZG14]. **Debugging** [MBLA16, UM13]. **Decade** [SOG15]. **Decision** [CL13]. **decisions** [UDB06]. **Decoded** [GGI13]. **decoder** [SHME13]. **decoding** [LJ14, HE12]. **Decomposition** [ETAV16, KM09, WL09]. **Decompositions** [LPFL16]. **decompression** [CLR05]. **Deep** [CMS08]. **defect** [LLR14, VSSS13]. **defect-tolerant** [LLR14, VSSS13]. **defending** [ARJ11]. **Defense** [WDY+16]. **Deferred** [DBM+15]. **defined** [LJR12]. **deformation** [MMSN14]. **degradation** [RGdZS14]. **deinterleaver** [KSK13]. **Delay** [CCKM16, CR14, CLK13, GNS04, KAK05]. **delay-constrained** [KAK05]. **delivery** [LHX+14]. **Demand** [KKK+11, WSK14]. **Density** [JNI15]. **dependability** [CMV10]. **Dependable** [BDP+13, Zhu10]. **dependence** [SWL07]. **Dependencies** [CAP15, LCS03]. **Deployment** [SRA12, CGV10, ZC04c]. **depth** [KTT13, LYL13]. **description** [MMD04]. **Descriptor** [PRB15]. **Design** [ARDG16, BKMG12, BBM15, BTL+12, BHET04, BRL16, DEG11, DJZ13, GLP+11, Geb04, HFA+14, IT16, JEP16, JBCS16, KJRG13, LEPP13, LV09, MFG16, MSCS16, MPZS13, OP06, OFA+15, PSZ12a, PGR16, SCS16, TKL+15, VP16, WWY13, WMLA16, YGHS08, ZYM16, ZO16, ARJ08, BGD14, BE10, BMP03, BFQ10, CYKH13, CMS08, CCB+06, DPP14, DDG+13, DBH14, GLC07,

GNR+10, HQB07, HMMA04, HHB+12, JM06, JBN+13, KKO+06, KM09, KKH+12, LAN06, LSK+08, LLN09, LM13, LHM14, MSCJ12, MBFSV07, PGR+08, RP03, RSB+09, RI04, RAK14, SVP05, ST05, STW13, SM13a, WCJ07, XWHC06, ZTRC03, CMP+07, RRKH04]. **Design-space** [MPZS13, BFQ10]. **designed** [ZWY+10]. **Designing** [BRL16, DQ14, SRM+13, VHB+13]. **designs** [HH13]. **desynchronization** [GNP06]. **Detailed** [DLV16]. **detecting** [HT06]. **Detection** [HPS13, LX12, MAGR15, WDY+16, YKK+13, CCC+14, HLD+09, KLC+10, KTT13, LHCK04, MVS+13]. **Detector** [TP16]. **Deterministic** [GDA13, SC05]. **Development** [Mos13, DSW+09, PJL+14]. **Device** [JCW+16, MM16, WT15, BMM13, NRL13, PJL+14, RV07, SKPL10, SC05]. **Device-to-Device** [JCW+16]. **Devices** [BKMG12, BRA+16, HTR+16, HTC+16, KKCS16, Kwo16, LNA+15, MFG16, MV16, WLH16, CHCC13, CMS08, LCJ13, NNH+14, PSZ12b, RC08, TSWL10]. **Diagnosability** [GHKS15]. **Diagnosis** [GZZ+16, AKB14]. **Diagrams** [CL13, TFL16]. **didactic** [GT05]. **Dies** [MASG15]. **differential** [HVG13]. **digit** [RMH04a]. **digit-serial** [RMH04a]. **Digital** [HPO+15, JMO14]. **dimensional** [WL09]. **Direct** [ZP08, LP10, SPK+12]. **Directed** [QZXO14, KKC+05]. **directions** [HKP08]. **Discovery** [LAZ+16]. **Discrete** [KL13, NDZ13, BBL09, TSCC05]. **discrete-time** [TSCC05]. **DISE** [CLR05]. **disks** [CCH13, CW14]. **Disparity** [TKT15]. **display** [Dea06]. **Displays** [LKH16]. **dissemination** [KAK05]. **Distance** [CLS16]. **distributable** [CRAJ10]. **Distributed** [BHAC15, BWS14, KSS16, Kha13, REPL15, Shu16a, TGV12, BVGVEA10, CRAJ10, JGD+09, LWK+10, LN04, MSCJ12, PS08b, PEP05, SAHE04, YGHS08, YFPJ14, ZZZ+12, ZLF13, ZC04c]. **DLIC** [GGI13]. **Does** [RKK15]. **Domain** [SXXS+16a]. **Domain-Specific** [SXXS+16a]. **dominance** [WYJ+14]. **door** [SCF12]. **dose** [ZHCY13]. **Downtimeless** [SVZ13]. **DPM** [CHK14b]. **DRAM** [LO13, PMPP14]. **DRAM/PRAM** [LO13]. **Driven** [GLP+11, WCM+16, CHCC13, DRL+10, FRRJ07, HG09, LP10, PEP05, RSB+09, WLH16, BE10]. **driver** [KXL10]. **drivers** [BMM13]. **DSP** [FO03, Geb04, KMB07, KGR12, LWB13, ZXS03]. **DSP-embedded** [Geb04]. **Dual** [MF12, GLWM14, LLPM07, ZP06, VAHC+06]. **dual-bank** [ZP06]. **dual-processor** [GLWM14]. **Durable** [CLL16]. **DVFS** [ACK+13, CHCC13, CHK14b, YC12]. **DVS** [QH07, ZM07, ZC08]. **dwell** [MLL08]. **DWT** [PZ12]. **Dylog** [DLH16]. **Dynamic** [CRCR13, DLH16, ELS08, IHK04, KAK05, KG05, LZL15, LLN+14, LLLGR13, NPAG12, PqBM+15, QZXO14, SL16, SKPL10, TBEP16, UDB06, WMGR12, YGW+12, ZRF+12, ZC04b, ASTPH10, ACK+13, BCDH12, CRJ10, CLR05, FZHT13, FZJ08, HPLD09, ISG03, KR14, MMR+10, NNS13, NSL11, NB04, OMA+13, PZ12, SJRS+13b, WYJ+14, ZTD+06, Zhu10, ZC08]. **Dynamically** [ARDG16, MZG14, GD14, HMMA04, KK05b, LB04, MSL13, VHB+13].

E-Cash-Toward [SBR+15]. **Early** [RG14, NKP+12]. **EAVE** [LDV12]. **ECG** [CNC13, GZZ+16, MVS+13]. **EDA** [LAN06]. **EDF** [CHTC07, ZB13, ZM07]. **EDF-scheduled** [ZB13]. **edge** [KTT13]. **Editorial** [BBM15, BE10, Bur05, CS16, DPP14, EE16, FGIS12, HKP08, IT16, LB04, LP09a, NKS12, DWCM14, PS14, Pla12, RRM16, Shu14a, Shu14b, Shu15a, Shu15b, Shu15c, Shu16a, Shu16b, Shu16c, Shu16d, VP16, ZQC16, Gup04, JM06, PBP09a, PBP09b, Sch07, SL04, ST05, Wha07]. **education** [KCG+05, SVP05, SBF+05]. **EEG** [CNC13, MM16]. **Effective**

[BMF15, BLG+15, GLT+13, Mus10]. **Effects** [DJO12]. **Efficiency** [CRCR13, PC14, THA+12, KVK+03, LPFG13, SWL07, SJRS+13b, SKPL10, SM13b, TVK08]. **Efficient** [APRC16, CHK+14a, CTK+13, CGV10, DLPK16, KW10, KCC+16, KASD07, LS12, LX16, LBS15, MSR+12, NSL11, NWA12, PGS+13, PLM+15, RMH04a, SPC+16, TLL+12, TBDdD11, TKT15, BCLN13, CAP+07, yCBR05, DLC+14, ESAS14, FZK+10, HE12, HQB06, JGD+09, KSK13, LAN06, LK10, PO05, QH07, RGSS04, RP10, RMD09, SKW+07, SJRS+13a, SAYN09, UAK+03, WRJL06, WKC07, ZMB03, ZTRC03, ZP08, ZP07, ZC08, KMB07, CH10]. **Effort** [CRCR13, MAG14, SRM+13]. **elder** [BDP+13]. **elder-care** [BDP+13]. **elements** [HVG13]. **Eliminating** [RRW05]. **Elimination** [FND+16]. **Elliptic** [WPW+04]. **Elon** [DLC+14]. **Embedded** [AB15, BD14, BLG+15, BP12, CS16, CKGN14, CLS16, CQB+15, DAHM16, DLH16, DBFH14, DQ14, DJS16, GLP+11, Goe14, IPEP12, JRR16, JLW+15, JEP16, KML13, KSP+12, KM13, LDV12, LS12, OBSO16, Pau14, PqBM+15, QZXO14, RRM16, RHG+14, SOG15, Shu14a, Shu14b, Shu15a, Shu16a, Shu16c, Shu16d, SVZ13, TDD+16, TBDdD11, TKL+15, VP16, WDY+16, ZDZ14, ZQC16, ARJ08, ARJ11, ASTPH10, ABS02, AEF+14, BYD09, BCDH12, BP05, BE10, BMP03, BMM13, BCS+06, BMS13, BFQ10, BS13b, CMV10, CSVA+05, CKL04, CC13a, CSK+02, yCBR05, CRJ10, CGV10, CVG+13, DKV14, Dea06, DKAL05, DZR09, DRL+10, ESAS14, FRRJ07, Geb04, Geb06, GGGK08, GNP06, GRCV03, GT05, GGI13, GM03, Gup04, GKW08, HCK+08, HG09, HFG13, HTLC10, HLD+09, HXZ+13, HZX+14, HQB06, HQB07, HKLH05, JC03, JGD+09, JKH+13, JHPR13, KVN+09, KST+12, KBCL13]. **embedded** [KCG+05, KASD07, KD08, KGR12, LB04, LSK+08, LS13, LOG+14, LP09a, LCJ13, LOXL13, LHM14, MBFSV07, MSB08, MSL13, NRL13, DWCM14, NDB09, NPP13, PCM12, PLKH08, PK13, PAS+09, PO05, PEP05, RP03, RP11, RV03, RRKH04, RP10, RSB+09, SVP05, SWL07, Sch07, SAHE04, SMG04, SL04, Sev05, SJC+03, ST05, STW13, SVN04, SGDP12, SBF+05, TRJ05, TSWL10, TSG10, TVK08, TLLL09, UAK+03, VAHC+06, VS05, VHB+13, WTSR13, WMT12, WPW+04, WRJL06, Wu10, WMZY13, XQ07, YDLC10b, ZCS+05, ZC04b, ZVL04, ZVN05, ZB13, ZMB03, ZP08, ZP09, ZM07, Zhu10, ZP06, ZP07, DEG11, HKP08]. **embedded-system** [BE10]. **embedded/multimedia** [UAK+03]. **Embedding** [HHB+12, SWWY13]. **emergency** [KLC+10, WYS+13]. **Emerging** [ZQC16, SRY13]. **EMG** [WGPH13]. **Emulator** [MZG14, WT15]. **enabled** [RC08, UAK+03]. **Enabling** [BCDH12, DLC+14, JRR16, SJRS+13b]. **Encoder** [FS13]. **Encoder/Decoder** [FS13]. **encoding** [SAYN09, THON12, LDV12]. **Encryption** [VOG15, SKW+07]. **Endomicroscopy** [CLS16]. **Energy** [AKTM16, BCLN13, BMAB16, BMP03, CHK+14a, CHK14b, DKV14, DAHM16, DJO12, DLPK16, ESAS14, FRRJ07, FS13, FBM16, HPBL12, HDG+14, HB16, HQB06, KBDV08, KNL12, LDV12, LS12, MSR+12, PC14, PLM+15, QH07, RGSS04, RV03, RV07, SPC+16, SVN04, SAYN09, TRJ05, TLL+12, WRJL06, YCT16, YW13, ZO16, ZC08, BZ13, BBL09, CAP+07, CSK+02, CLK13, FZJ08, GNW05, Geb06, GGI13, GHZH14, HE12, HLD+09, KKC+05, KHZS07, KVK+03, KAK05, KDN+07, LSK+08, LK10, LWB13, LPFG13, LOXL13, MRY+10, MKD13, PAP+12, RP10, RMM03, SRS03, SKPL10, SJC+03, SM13b, SC05, TTAG14, TVK08, UAK+03, YK03, ZVN05, ZKKC05,

ZTD+06, ZA07, ZX08, ZP08, Zhu10, CH10]. **Energy-** [FS13]. **Energy-Aware** [BMAB16, DAHM16, HB16, BMP03, DKV14, KBDV08, YW13, FZJ08, GGI13, SRS03]. **Energy-Efficient** [CHK+14a, DLPK16, LS12, MSR+12, PLM+15, SPC+16, TLL+12, BCLN13, ESAS14, HQB06, SAYN09, WRJL06, ZC08, CAP+07, HE12, LK10, RP10, ZP08, CH10]. **Energy-Fidelity** [HPBL12]. **energy-harvesting** [GHZH14]. **energy-optimal** [SC05, YK03]. **Energy-optimizing** [FRRJ07]. **energy-synchronized** [GHZH14]. **Energy/QoS** [LDV12]. **ENFFiS** [PK13]. **Enforcing** [WWY13]. **engine** [TSWL10]. **Engineering** [PL13, YGW+12, DRL+10, Sev05, SBF+05]. **enhanced** [PK13]. **Enhancement** [PRK15, CYKH13, HL14, KD08]. **Enhancing** [CLK13, OFA+15, KK05a]. **Environment** [AARJ12, BRL16, RHG+12, TSY+16, CSK+02, DDG+13, HT06, SB08, WCJ07, WTSR13]. **environmentally** [LAHS06]. **environments** [WP11]. **EnviroSuite** [LAHS06]. **epileptic** [MVS+13]. **equation** [HVG13]. **Error** [FND+16, KKD+12, SK13, TP16, YC12, HLD+09, LDV12]. **Error-Aware** [KKD+12, LDV12]. **Errors** [KKL+16, WCM+16, YZA13]. **ES-IMS** [KBCL13]. **ESL** [SOL+16, WMLA16]. **Essential** [ZW13]. **Establishment** [DL12]. **ESTEREL** [TdS05, YKK+13]. **Estimating** [OBSO16]. **Estimation** [PJWY12, RHG+12, SOL+16, TKT15, KKC+05, KS13, LSC14, MSL13, ÖNG08]. **ESTIMedia'08** [BCEP12]. **ESTIMedia'09** [PCB12]. **ESTIMedia'10** [Edi13]. **ESTIMedia'11** [CC14]. **ESTIMedia'12** [CP13b]. **ESTIMedia'13** [PS14]. **ESWEEK** [EE16]. **Evaluating** [HABT11, MMS06, SCS16]. **Evaluation** [BHET04, HHC+16b, MCSW12, RG14, SMG04, SSS11, WT15, CLR05, HGL14, KJRG13, LSC14]. **Event** [HHC+16b, JZL+15, KL13, MV16, MBLA16, NDZ13, KW10]. **Event-Based** [JZL+15]. **Events** [ZH12a]. **everyone** [Shu14a]. **everywhere** [Shu14a]. **Evolution** [SVZ13]. **evolutionary** [HMM04]. **Evolve** [RRM16]. **Exact** [YLW15]. **exascale** [DBH14]. **executables** [DVC+07]. **Execution** [AARJ12, MZG15, MBLA16, REPL15, RKK15, WZ12, HG09, MEP04, WEE+08, YZ08]. **execution-time** [WEE+08]. **executions** [LES14]. **Exotasks** [ABI+09]. **expansion** [BYD09]. **Experiences** [WYS+13, CLK13, CMP+07]. **Experiment** [TSY+16]. **Experimental** [BHET04]. **Explicit** [WAD14]. **exploitation** [KVN+09]. **Exploiting** [FS14, HE12, HC16, SK13, ZM07, CLK13, GFC+10, ZA07]. **Exploration** [BCS16, CDH+16, FSC+16, KAKSP15, OFA+15, PSZ12a, SXXS+16b, WSHC14, BFQ10, CIC+08, CIC+09, GDN03, JBN+13, KGR12, LM13, MPZS13, OP06, PDBR08, SKW+07, YCLV+02]. **Explore** [CAP15]. **Exploring** [DJO12, IFA+16, WSK14]. **exposing** [SWL07]. **Extended** [LDV12, WSHC14]. **Extending** [OFA+15]. **extension** [MBFT09, RMH04a]. **Extractor** [XHK16].

Factored [JFK15]. **Failure** [BV15]. **failures** [CRAJ10]. **fair** [RGSS04]. **Fairness** [GHKS15, CJMB05]. **Falsification** [AFS+13]. **Family** [MFG16]. **Fast** [CHS15, NS16, PDBR08, YCNCC11, BWS14, LM13, LHCK04, TLLL09, VJD+07, VDK+08, SAMR06]. **Fault** [BHD15, IPEP12, MAGR15, NDZ13, SSH14, AFG08, BGD14, CMV10, JGD+09, RMH04b, SHME13, ZC04b]. **fault-tolerance** [AFG08]. **Fault-Tolerant** [BHD15, IPEP12, SSH14, BGD14, JGD+09, RMH04b]. **faults** [VS08]. **FE** [XHK16]. **FE-SViT** [XHK16]. **Feasibility** [SGW+16, YRF10]. **feasible** [LA11, RM10].

Federated [TSY+16]. **feedback** [KT14, ZM07]. **Fence** [Shu16b]. **Fencing** [FND+16]. **Fiat** [VS08]. **Fidelity** [HPBL12]. **FIDES** [ISTE08]. **Field** [NWA12, Shu16b]. **fields** [RMH04a, RMH04b]. **FIFO** [GNW05]. **File** [KSP+12, OBSO16, CWKH12, LS13, PK13]. **file-system-oriented** [CWKH12]. **filling** [BSKB+09]. **filter** [CMS08]. **Filtering** [UM13, MSH+14, TSG10]. **filters** [CC13b, FF09]. **final** [GGGK08]. **Fingerprints** [TM15]. **Finite** [CHS15, DQ14, NWA12, RMH04b]. **Finite-State-Machine** [CHS15]. **Firmware** [McI13]. **Fix** [DLV16]. **Fixed** [DBM+15, AC08, DF14, LA11, QH07, YK03]. **fixed-point** [AC08]. **fixed-priority** [LA11, QH07, YK03]. **fixed-priority-scheduled** [DF14]. **Flash** [BDG+15, JNI15, KKK+11, KSP+12, Kwo16, OBSO16, SWJ+13, WC16, CH10, CKL04, CWKH12, CYKH13, LPC+07, PCK+08, PK13, WKC07, Wu10, JKJ+10]. **flash-based** [PCK+08]. **flash-memory** [CKL04, CWKH12, CYKH13, WKC07]. **FlashLight** [KSP+12]. **flexibility** [WSK14]. **Flexible** [BHD15, CC13b, MTL14, ZW10]. **FlexRay** [SKH+12, TBEP16]. **FlexWAFE** [DSW+09]. **floating** [AC08, DBH14, LYL13]. **floating-** [AC08]. **Flow** [SPC+16, VAHC+06, CC13a, LMST04, PGR+08, RI04, TBG+13, WYJ+14]. **Fluid** [ARS16]. **Fly** [UM13]. **FMSs** [HPS13]. **Focused** [HPBL12]. **footprint** [CDD+07, HFG13, PLKH08]. **ForEVeR** [PB14]. **Fork** [SGW+16]. **Fork-Join** [SGW+16]. **Formal** [BGVZ11, CD10, GDA13, MS13b, Mos13, SVZ13, CCB+06, HHB+12, KST+12, PB14, RBS+10]. **formalism** [Gar05]. **Formalization** [MHT13]. **FPGA** [BSKB+09, BRA+16, CCA+13, CCC+14, CHS15, CDH+16, GZZ+16, HPLD09, LSC14, MMSN14, MCSW12, SB08, SM13a, WL09, ZBCM09, ZHCY13]. **FPGA-Based** [GZZ+16, CCA+13, HPLD09, SB08]. **FPGAs** [DSW+09, HVG13, KJRG13, OFA+15, PGS+13, PAS+09, WGP04]. **frame** [PEP05, SGT+13]. **frame-based** [SGT+13]. **frames** [NPP13]. **Framework** [BMF15, DSXS+14, GLP+11, HFA+14, KCWH14, KPC+16, LKH16, MWF+16, PRK15, SL16, SSH14, SXXS+16a, SXXS+16b, SRA12, XHK16, ARJ11, BWS14, CCR+14, DZR09, FZJ08, KKO+06, KGR12, LSK+08, LAHS06, PO05, RDM06, SJRS+13a, SL08, STY+14, SGDP12, UAK+03, ZW10]. **Free** [CQB+15, PGR16, CRJ10, HHB+05, LES14, RP10, ZCK13]. **Frequency** [PC14, SOL+16, YGW+12, SAMR06]. **Frequency-Aware** [SOL+16, SAMR06]. **Frequent** [YG02]. **Friendly** [ORA16]. **Front** [CAP15]. **FTL** [CWKH12, JKJ+10, PCK+08]. **fuel** [SPK+12]. **fully** [LPC+07]. **fully-associative** [LPC+07]. **function** [SWWY13]. **Functional** [Fra12, KM09, AKB14, GD14]. **functionality** [PB14]. **Functions** [ZWH+16]. **Fusing** [MS13a]. **Fusion** [APRC16, IPL16, TXL+12]. **fusion-based** [TXL+12]. **future** [HKP08, SM13b]. **Fuzzy** [XHK16, LLLGR13]. **fuzzy-logic-based** [LLLGR13].

gains [BZ13]. **gait** [VAR13]. **Game** [SR12b, WDY+16]. **Game-Theoretic** [SR12b]. **Game-Theory-Based** [WDY+16]. **Gana** [ZCK13]. **Garbage** [CLL16, CKL04, CW14, CSK+02, DKAL05, SP10]. **garbage-collection** [CW14]. **gateway** [SKH+12]. **GDB** [MZG14]. **general** [GKW08, HVG13, MTL14]. **general-purpose** [GKW08]. **Generating** [BP12]. **Generation** [CMK12, EK12, MCSW12, MZG14, ISTE08, ISE10, IBMK10, KM09, LLC+13, NNS13, SRY13, TBG+13]. **Generators** [MFG16]. **Generic** [BGRV15].

GENESIS [DSXS15]. **Genetic** [Ahm13]. **GIS** [MBB+15]. **Givens** [SPC+16]. **Global** [DBM+15, PYJL15, BMM13]. **goal** [SGDP12]. **goal-oriented** [SGDP12]. **Good** [AR14, MASG15, Shu16a]. **Goppa** [MBR15]. **Governing** [HTC+16]. **GPU** [CCC+14, LJ14, YW13, YC16, ZXCH13]. **GPU-like** [LJ14]. **GPU-optimized** [ZXCH13]. **GPUrpc** [IFA+16]. **GPUs** [IFA+16]. **graceful** [RGdZS14]. **graduate** [CSVA+05]. **grained** [VNK+03]. **Graph** [DLPK16, HPS13, SGW+16]. **graphical** [LCQ+13]. **Graphs** [DHKS15, KAKSP15, MG15, MBLA16, FZHT13, LXK10, TBG+13, WBS10]. **Grazing** [Shu16b]. **Greedy** [CLL16, WMT12]. **Grid** [TSY+16, SGDP12]. **Groups** [BMF15]. **GSFAP** [TSG10]. **Guaranteed** [TBCB15]. **guarantees** [KT14]. **Guest** [BBM15, CS16, EE16, Gup04, IT16, JM06, PBP09a, PBP09b, RRM16, Sch07, SL04, ST05, Wha07, ZQC16]. **Guidelines** [CSVA+05]. **GUSTO** [IBMK10].

H.264 [SHME13]. **Hack** [DLV16]. **Half** [SWJ+13]. **Half-Wits** [SWJ+13]. **handheld** [CHCC13]. **handler** [LP10]. **handling** [KW10]. **Hard** [CQB+15, HFA+14, SLCS16, UBF+16, CRM14, PMM+13, SRM+13, SC05, YK03, ZZZ+12]. **Hardness** [SGW+16]. **Hardware** [BRL16, CAP15, GIA11, HT06, LX12, MWS15, MCS+15, ORA16, PRK15, SKKR11, TSY+16, TKT15, UM13, VGG+13, WCJ07, ARJ08, CCB+06, JM06, KTT13, LOG+14, NSL11, OP06, PZ12, PBP09b, RP11, RI04, SMG04, SB08, SVN04, TTAG14, VS08, DEG11]. **hardware-assisted** [LOG+14]. **Hardware-Based** [UM13, NSL11]. **Hardware-Efficient** [TKT15]. **Hardware-Friendly** [ORA16]. **Hardware/software** [WCJ07, ARJ08, SB08, DEG11]. **Hardware/Software-Embedded** [DEG11]. **harmful** [YKK+13]. **Harmonic** [HSMS16]. **Harnessing** [LKB14]. **HARP** [LKB14]. **HARS** [LOG+14]. **harvesting** [GHZH14, KHZS07]. **Health** [HPBL12, JLSK13, KS10]. **healthcare** [CD10]. **heap** [BS13a, CH08, BVGVEA10]. **heart** [BJM13]. **Hennessy** [VRF15]. **heterogeneity** [AMN+14]. **Heterogeneous** [AR14, CDH+16, ETAV16, MG15, PRB15, PqBM+15, PLM+15, QP15, RN14, SXXS+16b, THA+12, AP09, BCC+08, FC13, KBDV08, NBGS09, PGR+08, VHB+13, WSK14]. **Heuristic** [KAKSP15, SEB12, VSSS13, YCNCC11]. **Heuristics** [MG15, OMA+13]. **Hidden** [GGJ12]. **hiding** [XHSS10]. **Hierarchical** [DAHM16, GNR+10, MCSW12, AFL13, TBG+13]. **High** [BRL16, DLPK16, KCWH14, KPC+16, LWB13, LCH+08, PGR16, SRG+15, SP12, YDLC10a, BCLN13, BAR13b, CCA+13, FO03, KKC+05, LLC+13, PGS+13, PSZ12b, THON12]. **high-accuracy** [PSZ12b]. **High-Level** [BRL16, KPC+16, BAR13b, CCA+13, FO03, KKC+05]. **High-Performance** [DLPK16, KCWH14, PGR16, SRG+15, SP12, LWB13, LCH+08, YDLC10a, BCLN13, PGS+13]. **high-speed** [LLC+13]. **high-throughput** [THON12]. **Highly** [CHK+14a, yCBR05, SPP+10, TTAG14, VHB+13, ZVN05]. **HMAC** [GWM16]. **HMAC-SHA256** [GWM16]. **hoc** [KDN+07]. **HOL** [MHT13]. **home** [LCQ+13]. **Host** [RG14]. **Host-Compiled** [RG14]. **HRT** [CQB+15]. **Hybrid** [Ahm13, BP14, CSW15, DSXS+14, JMO14, KCWH14, MM16, QP15, RMD09, SLN+16, TSY+16, WMLM12, YLW15, ADI06, HZX+14, JKJ+10, LMST04, LO13, MLL08, RP11, RS07]. **Hybrid-compiled** [RMD09]. **Hybrid-Mapping** [CSW15]. **hyperelliptic** [WPW+04].

I/O [CWH+16, CCB+06, MRY+10, SKPL10, SC05]. **ICs** [HL14]. **Identifying**

[ZWH+16]. **Idle** [LS12]. **IEC** [YRS12]. **IEC61499** [Kha13]. **II** [PBP09b]. **IIR** [FF09]. **illegal** [HT06]. **Image** [CWH+16, KNL12, PZ12, SCF12, SRY13, SWWY13]. **Image-Content-Aware** [CWH+16]. **image-media** [SWWY13]. **imaging** [CCC+14]. **immersive** [LAHS06]. **Impact** [BTL+12, GM12, HHB+05]. **Implementation** [BSJ15, HGL14, MFG16, SPC+16, CSST08, CLR05, HQB06, KASD07, LV09, WL09, WKC07, ZXS03]. **Implementations** [NPAG12, DP08, SM13a, WGP04, YCLV+02]. **Implementing** [AFG08, VOG15, YRS12]. **Implicit** [DASS12, CHTC07]. **impressionist** [SRY13]. **Improve** [BHD15, RKK15, FS14, RP11]. **Improved** [SLCS16]. **Improvements** [BBB16, HHC+16b]. **Improving** [AB15, KJKM16, SHME13, TVK08, XQ07, AC08, CW14]. **IMS** [KBCL13]. **in-vehicle** [SKH+12]. **inActive** [LKB14]. **inaugural** [Wol02]. **increasing** [JHK+06, SWL07]. **Incremental** [DHKS15, NKP+12]. **independent** [HBSA04]. **Index** [KCC+16]. **indexing** [PCBW13]. **Indoor** [TM15]. **Industrial** [UBF+16]. **Inexact** [LEPP13, PL13]. **Infer** [AGS+16]. **inference** [QRB10]. **Information** [LMST04, GLWM14, KTT13, YZA13]. **Infrastructure** [BLG+15, GLT+13, JBN+13]. **inherent** [YZA13]. **inheritance** [LLN09]. **Injection** [ARP12, CMV10]. **Innovative** [VP16]. **Inputs** [DPNA16]. **Instant** [LX12]. **Instantaneous** [MG05]. **Instruction** [ARP12, AB15, Fra12, KAKSP15, QZXO14, WSHC14, AC08, BP05, GRCV03, KVK+03, LSC14, LLPM07, LM13, LXL13, MBFT09, RDM06, RMD09, RAK14, SD13, YZ08]. **Instruction-Cache** [AB15]. **instruction-level** [SD13]. **instruction-set** [AC08, RDM06, RMD09]. **Instructions** [DASS12, GGI13, KG05, SBX08]. **Instrumenting** [MZG14]. **Integrated** [EK12, FSC+16, dFMAdN12, MSCS16, SXXS+16b, BvB13]. **Integrating** [GIB+12, SPP+10]. **Integration** [LWZ+16, MHT13, SWL+14, CCB+06, Dea06, KASD07, NKP+12, SD13, WCJ07]. **Integrity** [DBFH14]. **Intel** [CMP+07]. **Intelligent** [Pau14, LKW02]. **Intensive** [TDD+16]. **Interactive** [BC07, LL15, KBCL13, KZH+06, LCQ+13, PCBW13]. **interconnect** [JP14]. **Interconnection** [SXXS+16a]. **Interconnection-Aware** [SXXS+16a]. **interconnects** [WMZY13]. **Interface** [SH15, LCQ+13]. **interfaces** [NNH+14, ZL08]. **Interference** [NS16, RP10]. **interference-free** [RP10]. **Interleaving** [BB13, FSC+16]. **internal** [CW14]. **Internet** [RRM16, Shu15a]. **Interpolation** [CLS16]. **interpretation** [RRW05]. **interprocess** [TKD07]. **Interrupt** [FND+16, LP10, dFMAdN12, WCM+16]. **Interrupt-Driven** [WCM+16, LP10]. **Interrupt-Triggered** [FND+16]. **Interval** [LZL15, LXK10]. **Introducing** [SBF+05]. **Introduction** [BCEP12, BM13, CP13a, CKGN14, CC14, CP13b, DV13, DSD12, Edi13, FM12, Goe14, GP07, HCK+08, HTLC10, Hüb13, JB02, JB03, JLSK13, KS10, KL13, KM13, MS05, PCB12, RHG+14, SOG15, STW13, Wol02, Sch07]. **Intrusion** [WDY+16, LHCK04]. **Intrusive** [AARJ12]. **Invariant** [BP12]. **Invariant-Based** [BP12]. **Invariants** [AGS+16]. **inversion** [IBMK10, KHHH14]. **INVISIOS** [AARJ12]. **Invited** [DSXS15]. **IP** [CCB+06, SM13a, TKL+15, WCJ07]. **IPs** [BRL16]. **IPSec** [SKW+07]. **Irons** [Shu16d]. **islands** [FZHT13]. **Issue** [BBM15, CS16, CKGN14, DSXS15, EE16, Goe14, IT16, KL13, RHG+14, TEC12, VP16, WSHC14, ZQC16, BM13, DPP14, GM03, Gup04, GP07, HCK+08, HTLC10, JC03, KS10, KBCL13, LB04, MS05, DWCM14,

PBP09a, Sch07, SL04, ST05, Wol02, PBP09b]. **Issues** [Shu15c, JB02, JB03]. **iSupplemental1** [TEC12]. **Iterational** [XHSS10]. **Iterative** [SAHE04, BWS14, PS08a]. **Itself** [Shu16b]. **IXP** [LCH+08].

Java [ABC+07, BVGVEA10, CSK+02, CH08, CRAJ10, GW08, HT06, HTLC10, JMO14, KW10, MS13a, PS10, SKKR11, SPP+10, TKL+15]. **Java-based** [GW08, JMO14]. **Join** [SGW+16]. **Joint** [HZX15, LXL13, WC16]. **JOM** [WC16]. **JPEG** [THON12]. **JSCD** [YC12]. **Jump** [PP12].

kernel [CDD+07]. **kernels** [PGS+13]. **Key** [DL12, PS08b]. **knapsack** [YCNCC11]. **kNN** [SM13a]. **KNOWME** [TLL+12].

L24 [SM13b]. **language** [MMD04]. **Languages** [LP09a]. **large** [HHB+05, PS08b]. **large-scale** [PS08b]. **LARK** [DS11]. **Last** [KRS+16]. **Last-Level** [KRS+16]. **Latency** [MV16, ABI+09, SRM+13, XHSS10]. **Latent** [VAR13]. **Lattice** [BSJ15, HPO+15]. **Lattice-Based** [BSJ15, HPO+15]. **Launch** [KJKM16, CLK13]. **Layer** [BDG+15, JCW+16, Kwo16, SKKR11, CYKH13, CCY+13, KST+12, KXL10, LPC+07, PCK+08, WKC07, Wu10, ZP09, JKJ+10]. **LCTES'05** [GP07]. **LCTES'11** [DV13]. **LDPC** [LJ14]. **leakage** [CNK04, ZKKC05, ZTD+06, ZA07]. **Leaks** [DLV16]. **LEAP** [MSR+12]. **Learning** [ORA16, Pau14, SR12b, KR14, SBF+05]. **Lebesgue** [MHT13]. **Ledgers** [Shu16a]. **Legacy** [SWL+14, CCAP12]. **legaSCi** [SWL+14]. **LegUp** [CCA+13]. **length** [BAR13b, KD08, PL10]. **Less** [AKTM16, BYD09, PLKH08]. **Level** [BRL16, KPC+16, KRS+16, LYH+15, MF12, NBM+16, ZRF+12, ZYM16, BAR13b, CCA+13, FO03, JBN+13, KKC+05, KVN+09, MSCJ12, MSS+03, MSL13, OP06, SGT+13, SD08, SD13, VJD+07, VDK+08, YCLV+02]. **leveling** [CCH13, PMPP14]. **Leveraging** [MF13]. **Libra** [JNI15]. **libraries** [PLKH08]. **Lifetime** [GM12, LO13]. **Lightweight** [AARJ12, DS11, KSP+12, MFG16, SL16, PS04]. **like** [BCS16, LJ14]. **limited** [BS13a, CH08, Wu10]. **LIN** [SKH+12]. **linear** [KJRG13]. **Link** [DVC+07, KXL10]. **Link-time** [DVC+07]. **Linked** [PqBM+15]. **links** [QRB10]. **Linux** [BMF15, CDD+07, MZG14]. **LiSP** [PS04]. **Live** [FND+16]. **Live-Out** [FND+16]. **Liveness** [GZ12, WWY13]. **Liveness-Enforcing** [WWY13]. **LLM** [BS13a]. **LMP** [WSK14]. **LMP-based** [WSK14]. **Load** [UM13, Mus10, ZP06]. **load-balancing** [Mus10]. **load/stores** [ZP06]. **loader** [WBF+06]. **Local** [KAKSP15, LBS15, BS13a]. **locality** [GFC+10, KK05a, YG02]. **Localization** [ZH12a, BHET04, CTK+13, HHB+05, LLL14, PS08a, PSZ12b, ZH12b, ZC04c]. **Location** [TM15, ZHM+14]. **locations** [PS08a]. **Lock** [CRJ10]. **Lock-free** [CRJ10]. **Locked** [SMR15]. **Locking** [AB15, QZXO14, VLX07]. **log** [LPC+07, TSG10]. **Logging** [CSW15, DLH16, MWF+16]. **Logic** [AFS+13, KMP15, VRF15, LLLGR13, ETAV16]. **Logic-Based** [ETAV16]. **Long** [JC12, DLC+14]. **Long-Term** [JC12, DLC+14]. **Look** [WZH13]. **Look-Ahead** [WZH13]. **loop** [DEG11, GGI13, KVN+09, NNS13, TKD07, XHSS10]. **loop-level** [KVN+09]. **Loops** [EK12, TdS05, TBDdD11, SVN04, ZA07]. **Loosely** [BBB16]. **Low** [ABI+09, BHD15, JRR16, SWJ+13, SJC+03, YC12, CCH13, DBH14, Geb06, GJ13, GRCV03, GLWM14, IHK04, KYHY14, LWB13, NPP13, ÖNG08, RAK14, SJRS+13a, TTAG14, TVK08,

ZCK13, ZVN05, ZP09, MSR+12]. **low-cost** [CCH13, SJRS+13a, ZCK13, ZP09]. **Low-energy** [SJC+03, Geb06, LWB13]. **Low-latency** [ABI+09]. **Low-Power** [YC12, GJ13, GLWM14, IHK04, KYHY14, NPP13, ÖNG08, RAK14, TVK08]. **Low-Voltage** [SWJ+13]. **Lower** [ZX08]. **LRU** [GLYY14]. **LTE** [AAPN14]. **Lustre** [TSCC05].

M2M [Pau14, RRM16]. **MAC** [BTL+12, CHTC07, GDA13, ZWY+10]. **Machine** [APRC16, CHS15, KKCS16, LAZ+16, ABC+07, CGV10]. **machine-based** [CGV10]. **Machine-to-Machine** [APRC16, KKCS16, LAZ+16]. **Machines** [DQ14, KCWH14, CH08]. **macromodeling** [LBP07, TRJ05]. **Main** [WLWS15, HXZ+13, PMPP14]. **Maintaining** [LLR14, KDN+07]. **manage** [CRM14]. **Managed** [LBS15]. **Management** [BMF15, CSW15, DAHM16, DSXS15, FBM16, HB16, HZX+14, HHC+16a, dFMAdN12, LZL15, PYJL15, Pau14, TDD+16, WLWS15, ZP11, AMCM06, ACK+13, BDP+13, BBL09, CCY+13, CH08, ELS08, FZJ08, ISG03, JKH+13, KHZS07, KR14, KXL10, MPZS13, RV03, SGT+13, SRS03, WYS+13, YCNCC11, ZC04b, Zhu10]. **Manager** [DAHM16, CH10]. **Managers** [REPL15]. **Managing** [CRCR13, DRL+10, BS13a]. **manner** [SRY13]. **MANTIS** [MLV09]. **Manual** [LL15]. **Manufacturing** [GM12]. **Many** [CCC+14, MKD15, SXXS+16a, SXXS+16b, TDD+16, ACK+13, DPP14, LKB14, LOG+14, LLR14, YFPJ14]. **Many-Accelerator** [SXXS+16a, SXXS+16b]. **Many-Core** [MKD15, CCC+14, ACK+13, DPP14, LKB14, LOG+14, LLR14, YFPJ14]. **Many-Cores** [TDD+16]. **manycore** [KYL13]. **Map** [TKT15]. **Mapping** [BRA+16, CSW15, CLL16, ETAV16, FSC+16, FC16, GIB+12, GAG15, HC16, LX16, MSCS16, PJWY12, QP15, ZNS13, DKV14, HH13, LWB13, MEP08, MAG14, OMA+13, WW09]. **March** [SN10]. **Market** [ZLF13]. **Market-based** [ZLF13]. **Markov** [GGJ12]. **mask** [Geb06]. **massive** [Edi14, Mus10, ZXCH13]. **Massively** [GLP+11]. **matching** [LHCK04, TLLL09]. **matrix** [IBMK10]. **Maximal** [VRF15, HCQ+14]. **Maximally** [WZH13]. **maximization** [HCQ+14]. **Maximizing** [MASG15, RMM03]. **McEliece** [MBR15, VOG15]. **MDPC** [VOG15]. **Measure** [MHT13]. **Measurement** [ZO16, LYL13]. **Measuring** [DW10]. **Mechanism** [CAPL11, WC16, CWKH12, RAK14]. **media** [HE12, SWWY13]. **Medical** [MS13b, PJL+14, KLC+10]. **medicine** [WYS+13]. **MEDiSN** [KLC+10]. **Medium** [KKCS16]. **meet** [SRM+13]. **meets** [BSKB+09]. **Mellon** [KCG+05]. **MEMMU** [BYD09]. **Memories** [PqBM+15, WLWS15, BMP03, HXZ+13]. **Memory** [BCS+06, DPNA16, DKAL05, FSC+16, FMSS15, GIB+12, GAG15, JLW+15, KKK+11, KS13, KJKM16, LYH+15, LBS15, MBKF15, MF12, NDB09, SWJ+13, TDD+16, WC16, ZDZ14, ACK+13, ABS02, BCLN13, BS13a, BCDH12, Bar13a, BAR13c, CH10, CDD+07, CKL04, CWKH12, CYKH13, CC13a, CSK+02, CH08, CVG+13, ELS08, GDN03, HFG13, HH13, HZX+14, HL14, JB02, JB03, JKH+13, KYL13, KGR12, LKW02, LO13, LXK10, LXL13, LPB06, MMD04, PLKH08, PK13, PMPP14, RP03, SGT+13, SE10, SBX08, SJC+03, UDB06, UCK+09, WAD14, WKC07, XHSS10, YDLC10a, YDLC10b, ZP08, ZP06, BYD09]. **memory-based** [CC13a, HZX+14]. **memory-constrained** [Bar13a]. **Memory-Intensive** [TDD+16]. **memory-limited** [CH08].

Memory-Model-Aware [FMSS15]. **Memristor** [MCS+15]. **Memristor-Based** [MCS+15]. **mental** [WGPH13]. **Mesh** [MSCS16, BP14, Bec09, SJRS+13a]. **Mesh-Based** [MSCS16]. **mesh-connected** [Bec09]. **Message** [KHHH14, LBP07]. **METEOR** [BP14]. **meters** [Edi14]. **methanol** [SPK+12]. **Method** [AGS+16, GW15, CCB+06, KHHH14, LWB13, LO13]. **Methodologies** [IT16, ST05]. **Methodology** [FSC+16, OBSO16, PSZ12a, TGV12, DEG11, KST+12, LAN06, Shu14b, XWHC06]. **Methods** [HHC+16b, Mos13, Pau14, VP16, AC08, SHME13, WEE+08]. **Metric** [GZ12]. **metroII** [DDG+13]. **Micro** [JC12, MB10]. **micro-satellite** [MB10]. **Micro-Solar** [JC12]. **Microarchitectural** [DJO12]. **microarchitecture** [NB04]. **MicroBlaze** [LV09]. **MicroBlaze-based** [LV09]. **Microcontrollers** [JRR16, SWJ+13, Sch10]. **microprocessors** [RAK14]. **Microsearch** [TSWL10]. **Microserver** [MBB+15]. **microthreaded** [YFPJ14]. **microwave** [CCC+14]. **migration** [LP10]. **Milner** [VRF15]. **Miniaturized** [MVS+13]. **Minimal** [CL13, SBX08, Edi14, GNW05]. **Minimally** [AARJ12]. **Minimization** [HZX15, PAP+12, ZX08]. **Minimize** [YCT16]. **Minimizing** [BBL09, ZDZ14, GNS04]. **minimum** [KAK05]. **minimum-energy** [KAK05]. **Mining** [GZZ+16]. **MIPS** [LCS03]. **miss** [MEP08]. **Mixed** [AKTM16, HHC+16a, ZGZ15, HGL14, LDRM12]. **Mixed-Criticality** [AKTM16, HHC+16a, ZGZ15, HGL14, LDRM12]. **MLC** [CYKH13]. **MLC-based** [CYKH13]. **MMU** [BYD09, ELS08, PLKH08]. **MMU-less** [BYD09, PLKH08]. **Mobile** [CWH+16, HTC+16, KCJ+16, KNL12, LDV12, LKH16, LNA+15, MV16, SBR+15, WTSR13, WLH16, BO13, CTK+13, CLK13, FZJ08, ISTE08, ISE10, KSK13, KST+12, LLL14, LCJ13, NNH+14, PK13, RC08, VAR13, WRJL06, WYP+10]. **MobiSense** [WYP+10]. **Modal** [BV15, SH15, WBS10]. **Mode** [JRR16, yCBR05, ZTRC03]. **Model** [ARS16, ARDG16, BRL16, FMSS15, GLP+11, GGJ12, LAZ+16, MV16, Sch10, SWL+14, SOL+16, TBCB15, WZ12, CJMB05, DRL+10, KKH+12, OMA+13, PJL+14, RSB+09, SL08, WMZY13, ZS05, BE10]. **Model-Based** [ARDG16, BRL16, KKH+12, OMA+13]. **Model-Driven** [GLP+11, DRL+10, RSB+09, BE10]. **Model-Predictive** [TBCB15]. **Modeling** [Fra12, GFC+10, HMM04, KSS16, KL13, LLLT08, LLTL09, McI13, MKD15, MD04, MAGR15, NKP+12, NDZ13, NBM+16, RHG+12, ZYM16, ASTPH10, MG05, SD08, SPK+12, VJD+07, VDK+08, WW09, VAHC+06]. **Models** [CD12, IT16, SBLM13, SGW+16, CC13a, DP08, HDR+06, HVG13, LLC+13, ST05, ZMB03]. **Modern** [BMB16]. **Modular** [TBG+13]. **Modularization** [LPFL16]. **Module** [BCS16, ARJ08, PAS+09]. **module-based** [PAS+09]. **modulo** [SWWY13]. **Molen** [PBV07]. **monitor** [MVS+13]. **Monitoring** [Edi14, HHC+16b, MBKF15, TLL+12, GJ13, GNR+10, WYP+10]. **Montgomery** [SLN+16]. **MORPHEUS** [VHB+13]. **Motion** [HPBL12, PJWY12, YW13]. **Motion-Based** [HPBL12]. **mountain** [VS05]. **MP** [JBN+13, YCNCC11]. **MP-SoC** [JBN+13, YCNCC11]. **MPSoC** [LYH+15, LBP07, MBLA16, PAP+12, PGR+08]. **MPSoCs** [BLG+15, AMN+14, BMB16, CAP+07, GLT+13, HHB+12, KBDV08, LPB06, MAG14, MASG15, OMA+13, QP15]. **MPSoCSim** [WRKG16]. **MRAM** [ZBCM09]. **MRU** [GLYY14]. **MTSS** [MSB08]. **Multi** [CH10, GIB+12, HSMS16, KRS+16, PGR16, yCBR05, ISE10, Mus10, NPP13, PMM+13, PÖG+13, ZHCY13].

Multi-buffer [CH10]. **Multi-Core** [HSMS16, PGR16, Mus10, PMM+13]. **Multi-Cores** [KRS+16]. **multi-CPU** [ISE10]. **multi-FPGA** [ZHCY13]. **multi-frames** [NPP13]. **multi-mode** [yCBR05]. **multi-processor** [PÖG+13]. **Multi-Processors** [GIB+12]. **multiapplication** [HT06]. **Multicast** [JCW+16]. **Multichannel** [CLL16, GAG15, HC16, ZO16, CCH13, CW14]. **multichoice** [YCNCC11]. **multicluster** [PEP05]. **Multicopy** [CHK+14a]. **Multicore** [BZ13, CQB+15, ETAV16, HDG+14, PLM+15, RG14, SMR15, THA+12, TFL16, UBF+16, WZ12, BP14, BS13a, CCR+14, HG09, HZX+14, HL14, TKG13]. **Multicore-based** [BZ13]. **Multicores** [LBS15, RKK15, JP14, MPZS13]. **multidimension** [YCNCC11]. **Multidimensional** [APRC16, JBN+13]. **multifrequency** [ZWY+10]. **MultiLayered** [LNA+15]. **Multilevel** [CR14, LN04, ZLLC15]. **Multimedia** [CAPL11, Kwo16, YC12, CLK13, CCAP12, HQB07, IHK04, KBDV08, KBCL13, PK13, PCBW13, QP03, RC08, SRY13, UAK+03, WMZY13]. **multimedia-enabled** [RC08]. **Multimodal** [TLL+12, AF14]. **Multimode** [JEP16]. **MultiNets** [NNH+14]. **Multiple** [TBDdD11, WSHC14, HQB06, ISG03, LCS03, MMSN14, NRL13, NNH+14, PL10]. **multiple-FPGA** [MMSN14]. **Multiple-Issue** [WSHC14]. **multiple-QoS** [PL10]. **multiplicative** [KHHH14]. **Multiplier** [NWA12]. **multipliers** [RMH04a]. **Multiprocessor** [CDH+16, DBM+15, LX16, MG15, WRKG16, CHK14b, DZR09, ESAS14, HQB06, Hüb13, ISTE08, JM06, KKO+06, LWB13, LES14, LQN+13, OP06, PS10, SE10, TSBY13, VSSS13]. **Multiprocessors** [AR14, PSZ12a, PRK15, PYJL15, RN14, BGD14, Bar13a, BD14, HFG13, HXZ+13]. **Multirate** [TFL16]. **multisequence** [ZH12b]. **multitask** [CSST08, DP08, MSB08]. **multitasked** [ZP09]. **Multitasking** [NB04, RP10, TM07, WAD14]. **Multithreaded** [ZP11, LCH+08, LP09b]. **Multithreading** [LRZ16, PJS15]. **Multiunit** [LX12]. **Multiversion** [KCC+16]. **muscle** [WGPH13].

NAND [BDG+15, JNI15, PCK+08, PK13, WC16]. **Near** [BCS16, SWT+14]. **Near-Static** [BCS16]. **Necessary** [ARS16]. **Negative** [CLS16]. **nested** [KMB07, NNS13, TKD07]. **nested-loop** [NNS13, TKD07]. **Net** [DJZ13]. **NetBench** [MMS06]. **Nets** [BB13, BB15, CL13, JFK15, NDZ13, WZH13, ZW13, VAHC+06]. **Network** [DLPK16, MST+16, PGR16, TLL+12, ZRF+12, ZZX+15, ZP11, BP14, CP13a, CMS08, GMOB13, HVG13, KJRG13, KYL13, LLLT08, LLTL09, LHCK04, LCH+08, LLLGR13, LS09, NNH+14, PCM12, TKD07, WYP+10, WYJ+14, WW09, YCLV+02, YZA13, ZWY+10, MMS06, SSS11]. **network-flow** [WYJ+14]. **Network-Level** [ZRF+12]. **Network-on-Chip** [DLPK16, MST+16, BP14, GMOB13, YZA13, SSS11]. **Networked** [DLH16, BWS14, BFQ10, FC13, Gup04, KKH+12, NKP+12]. **Networks** [BKMG12, BTL+12, DS11, FBM16, FC16, GM12, GGJ12, LAZ+16, MAGR15, ZLL+11, AKB14, CTK+13, DLN13, DLC+14, FZK+10, GHZH14, HBSA04, HHB+05, KHZS07, KAK05, KXL10, KLC+10, KYHY14, KDN+07, LN04, LAHS06, MLV09, NNS13, PS04, PS08a, PS08b, SRM+13, SKH+12, SGDP12, WYJ+14, XWHC06, YGHS08, ZL08, ZLF13, ZC04c]. **Networks-on-Chip** [FC16, AKB14, KYHY14, SRM+13, WYJ+14, XWHC06]. **neural** [LLL14]. **next** [ISTE08, ISE10]. **next-generation** [ISE10]. **no** [KHHH14, BVGVEA10]. **No-Heap**

[BVGVEA10]. **NoC** [BLG+15, BGD14, CCY+13, DNNP14, GLT+13, LLR14, MSCS16, MKD15, MASG15, OMA+13, PB14, ZCK13]. **NoC-Based** [MKD15, BGD14, LLR14, OMA+13]. **NoC-Based0** [MASG15]. **Node** [McI13, ZH12a, ZH12b]. **Nodes** [ZO16, SGDP12]. **noise** [SBLM13]. **Non** [WLWS15, HXZ+13]. **Non-volatile** [WLWS15, HXZ+13]. **Nonblocking** [SP10]. **noncontact** [CNC13]. **Noninclusive** [CR14]. **nonintrusive** [NSL11]. **nonlinear** [LLL14]. **nonparametric** [GKW08]. **nonrenewable** [MKD13]. **Nonutilization** [LA11]. **nonvolatile** [HZX+14]. **NOR** [SWJ+13]. **normal** [RMH04a]. **Novel** [CLS16, MCS+15, DZR09, NPP13, ZCK13]. **NUCA** [FS14]. **NUCA-based** [FS14]. **Number** [Ano13, Ano14, MFG16, MASG15, Edi14]. **numbers** [ZXCH13]. **NWSLite** [GKW08].

O [CWH+16, CCB+06, MRY+10, SKPL10, SC05]. **OA** [MM16]. **object** [KTT13, MMSN14, NPP13]. **Objects** [BVGVEA10]. **Ocarina** [GGGK08]. **Off** [ZRF+12, CP13a, CRCR13, CLK13, CGV10, HFG13, SD08, SJC+03, SAYN09]. **off-board** [CGV10]. **off-chip** [CP13a, SJC+03, SAYN09]. **Offs** [IPEP12, GFC+10, LDV12, SM13b]. **Offset** [OOAL06, SR12a, SEB12, HABT11]. **Oh** [Shu15b]. **OLED** [LKH16]. **omega** [MRT13]. **omega-regular** [MRT13]. **omnidirectional** [SCF12]. **on-body** [QRB10]. **On-Chip** [PSZ12a, KGR12, YFPJ14, CP13a, LJ14, PL10, SJRS+13b, WMZY13]. **On-the-Fly** [UM13]. **onboard** [BCG10]. **One** [WZH13]. **One-Step** [WZH13]. **Online** [Ano13, Ano14, ISG03, KR14, REPL15, YDLC10b, MSL13, TTAG14, YDLC10a]. **Only** [GW15, BS13a]. **onto** [CC13a, DSXS15, OFA+15]. **open** [CCA+13]. **open-source** [CCA+13]. **operand** [LCS03]. **operating** [AMCM06, BMM13, FRRJ07, TRJ05, WP11, YDLC10a]. **Operation** [BHD15, WC16, FC13]. **operations** [BAR13b, SWWY13]. **OPLE** [KAKSP15]. **Opportunistic** [JCW+16]. **OPS** [ZCS+05]. **Optical** [FC16, KYHY14]. **Optimal** [GAG15, KK05b, MBP14, ABS02, CHK14b, GJ13, GNS04, PL10, RV07, SWT+14, SC05, YK03]. **Optimization** [CWH+16, DASS12, FBM16, GIB+12, IPEP12, LYH+15, LX16, MWS15, PYJL15, PLM+15, SR12a, SEB12, SP12, ZZZ+12, BWS14, BMP03, CHK14b, DVC+07, DP08, HZX+14, IBMK10, JMO14, KKC+05, LXL13, LLLGR13, RP03, SAHE04, SKK+14, YGHS08]. **Optimizations** [BDG+15, DJO12, KKK+11]. **Optimized** [BRA+16, MBR15, JHPR13, ZXCH13]. **Optimizing** [BP05, BCG10, FRRJ07, HMM04]. **order** [LLC+13]. **Oriented** [BKMG12, CWKH12, DRL+10, KK05a, LLN09, SGDP12]. **out-of-order** [LLC+13]. **Outputs** [DPNA16]. **Overbooking** [DWRR14]. **overflow** [BCS+06, RRW05]. **overlapping** [CTK+13]. **Overlay** [CHS15]. **Overload** [LDRM12]. **overview** [SVP05, WEE+08].

P [WPW+04]. **Pacemaker** [BJM13]. **packet** [CMS08, LCH+08, LS09, Mus10, RGSS04]. **packet-switched** [LS09]. **packing** [PEP05]. **pad** [ABS02, NDB09, UDB06]. **Page** [CLL16, HC16, WLWS15]. **Page-Mapping** [CLL16, HC16]. **Paging** [KKK+11]. **pair** [RV07]. **Pairwise** [DL12]. **PAIS** [JP14]. **Papers** [TEC12, SN10]. **Parallel** [CS16, DSXS15, GLP+11, Goe14, PRB15, PJWY12, PÖG+13, SWL+14, SM13a, WMLA16, GNR+10, MMSN14, THON12, WW09]. **Parallelism** [AMN+14, JP14, SM13b, CW14, KVN+09, MB10, SD13].

Parallelism-aware [JP14]. **Parallelization** [HLLL12, LL15, TFL16]. **Parallelizing** [BRA+16, MKR13, UBF+16, ZP06, MSH+14]. **Parameter** [CAP15]. **Parameterizable** [BRL16]. **parameterized** [CMA05]. **Parameters** [DJO12]. **Parametric** [MMR+10]. **Parametrised** [SH15]. **Pareto** [CAP15]. **parMERASA** [UBF+16]. **Parsimonious** [LEPP13]. **Partial** [DLV16, HPLD09, LPFG13]. **partially** [CIC+08, CIC+09, RI04]. **participatory** [WTSR13]. **Partitioned** [DBM+15, GWZ16, KVK+03, CJMB05, LXL13, SBX08]. **Partitioning** [Bar13a, HSMS16, KAKSP15, SMR15, KP13, LXL13, RP10, SVN04, TJ10, XHSS10]. **partitions** [SJRS+13a]. **Pass** [KKK+11]. **passing** [LBP07]. **Passive** [BSB14]. **passivity** [KKH+12]. **path** [GNW05, MSH+14]. **pattern** [GDN03]. **pattern-based** [GDN03]. **patterns** [GLC07, PÖG+13]. **Payments** [SBR+15]. **PCM** [KCC+16, YCT16]. **PCM-Based** [KCC+16, YCT16]. **PCMOS** [SBLM13]. **PDA** [GW08]. **Pedestrian** [TM15]. **accelerator** [CCA+13]. **accuracy** [SD08]. **Architecture** [KKD+12]. **C-based** [RSB+09]. **data-flow** [VAHC+06]. **Decoder** [FS13]. **GPU** [OFA+15]. **network** [BFQ10]. **Performance** [IPEP12]. **Power** [RKK15]. **PRAM** [LO13]. **QoS** [LDV12]. **software** [ARJ08, SB08, WCJ07]. **Software-Embedded** [DEG11]. **stores** [ZP06]. **Perceived** [KJKM16]. **perform** [AAPN14]. **Performance** [AB15, BRA+16, BDG+15, DJO12, DLPK16, Fra12, KCWH14, LYH+15, NBM+16, OBSO16, PGR16, PP12, RG14, RKK15, SRG+15, SP12, WT15, ZRF+12, ZSJ12, BCLN13, BP05, BZ13, CMP+07, HLD+09, HHB+12, JHK+06, KS13, KD08, LWB13, LCH+08, MSL13, PGS+13, SE10, SM13b, YDLC10a]. **Performance-Optimized** [BRA+16]. **Performance/Power** [RKK15]. **performances** [FS14]. **period** [LK10]. **Periodic** [ARS16, LZL15, HCQ+14, SL08, XQ07]. **Periodically** [WMLM12]. **Permissive** [WZH13]. **Perpetuu** [MBB+15]. **persistence** [Cul13]. **Persistent** [HTR+16]. **personal** [RC08]. **Personalized** [SKK+14]. **Perspective** [DJS16, BJM13, WBF+06]. **pervasive** [CD10, TSWL10]. **Petri** [BB13, BB15, CL13, DJZ13, JFK15, NDZ13, WZH13, ZW13]. **Phase** [GW15, ZLLC15]. **Phase-Only** [GW15]. **phone** [LLL14]. **Photonic** [PGR16, BP14]. **Photovoltaic** [BCS16]. **Physical** [AFS+13, BHAC15, BKMG12, CKGN14, DWRR14, HZX15, IPL16, KCC+16, LWZ+16, LLN+14, MBKF15, NRL13, TGV12, TLL+12, WDY+16, ZYM16, BWS14, BJM13, DDG+13, GMOB13, HVG13, Hüb13, LDRM12, SPK+12, TXL+12, WLT12, YRS12, ZSM13]. **Physics** [PL13]. **PICA** [LS12]. **pipeline** [MD04]. **Pipelined** [TBDdD11, BAR13b, CAP+07, HG09, LLC+13, THON12, ZXS03]. **Placement** [DSXS15, MSCS16, NS16, PqBM+15, TP16, BSKB+09, JGD+09, SBX08]. **Places** [WWY13]. **Planes** [AR14]. **Planning** [JFK15]. **Platform** [PGR+08, SXXS+16b, ARJ08, AKB14, ISTE08, VHB+13, ZM07]. **Platform-based** [PGR+08]. **Platforms** [ETAV16, MBLA16, PRB15, SL16, SOG15, TFL16, ACK+13, CCR+14, JMO14, LLLGR13, MLV09, OP06, SM13b, TSBY13]. **PLTL** [CJMB05]. **PLTL-partitioned** [CJMB05]. **Plug&Chip** [DSXS+14]. **Plugging** [CSW15]. **point** [AC08, DBH14]. **pointers** [BAR13c]. **policies** [KR14, KBDV08, LA11, RG13]. **policing** [DW10]. **Policy** [HPS13, PYJL15, Mus10]. **Poly** [PZ12]. **Poly-DWT** [PZ12]. **polyhedral** [NNS13]. **polymorphic** [AVF+09, PZ12]. **polynomial** [TJ10]. **Portability** [CHS15]. **Portable**

[YC12, ABI+09, ELS08]. **position** [QRB10]. **Post** [AKB14, KKK+11]. **Post-Pass** [KKK+11]. **Post-silicon** [AKB14]. **postfabrication** [CIC+08, CIC+09]. **postural** [QRB10]. **Power** [ARP12, ACK+13, Bec09, JRR16, JC12, JEP16, KHZS07, LZL15, LYH+15, LKH16, LBP07, MV16, MSR+12, OBSO16, OMA+13, PYJL15, Pau14, SRS03, SOL+16, YGW+12, YC12, ZRF+12, ZP07, AMCM06, BO13, CMP+07, DBH14, Geb04, GJ13, GRCV03, GLWM14, IHK04, ISG03, JC03, JHK+06, KR14, KXL10, KYHY14, MSS+03, MALM04, MSL13, Mus03, NPP13, ÖNG08, QRB10, RAK14, SWL07, SJRS+13b, TVK08, VJD+07, VDK+08, ZC04b, ZTRC03]. **power-attacks** [Geb04]. **Power-Aware** [JEP16, ACK+13, OMA+13, JC03, MSS+03, MALM04]. **Power-efficient** [ZP07]. **Power-Performance** [ZRF+12]. **power-saving** [ISG03]. **power-sensitive** [BO13]. **powered** [MBB+15, RV03]. **Practical** [HPO+15]. **practice** [BSKB+09, Cul13]. **PRAM** [PMPP14]. **Pre** [CIC+09]. **Pre-** [CIC+09]. **Preaveraging** [GWM16]. **precedence** [MBFSV07]. **Precise** [NS16]. **precision** [SE07]. **Predicate** [ADI06]. **Predictability** [TSBY13, GLYY14]. **Predictable** [PW13, SRG+15, AEF+14, WAD14]. **Predicting** [DJO12, JC12]. **Prediction** [KCJ+16, QZXO14, GKW08, HE12]. **Prediction-Directed** [QZXO14]. **Predictive** [TBCB15]. **predictor** [WGPH13, ZA07]. **Preemption** [CR14, DBM+15, GWZ16, ZGZ15, ZP09]. **preemptions** [RM10]. **preemptive** [TM07, WAD14]. **Prefabrication** [CIC+08]. **Preface** [AL05]. **prefetching** [YZ08, ZP07]. **Presence** [TBDdD11, LHX+14, VS08]. **preserving** [CSST08]. **Prevention** [ZW13]. **pricing** [WSK14]. **Primitive** [MCS+15]. **Primitives** [BSJ15, LBP07]. **Priority** [DBM+15, MBP14, DF14, LA11, MEP08, QH07, YK03, ZZZ+12]. **PROARTIS** [CQV+13]. **Probabilistic** [AFS+13, HQB07, KM13, LEPP13, MHT13, SWJ+13, TBEP16]. **Probabilistically** [CQV+13]. **Problem** [SEB12, WEE+08, Ahm13]. **problems** [TJ10]. **procedure** [KMB07, KASD07]. **Process** [BGRV15, GM12, MZG14, MAG14, MASG15, NNS13, TKD07]. **Process-variation-aware** [MAG14]. **processes** [PBP09a, PBP09b]. **processing** [AMN+14, BCG+07, BCG10, DSW+09, GHB13, GJ13, HVG13, PÖG+13, SCF12, VGG+13, ZH12b, ZLF13, MSR+12]. **Processor** [MBR15, MMD04, SK13, SOL+16, SCS16, TKL+15, CCA+13, GLWM14, HL14, KGR12, KT14, LK10, LHCK04, LCH+08, LV09, MG05, PMM+13, PÖG+13, ZC04a, LS12]. **processor-based** [KGR12, LHCK04]. **Processor-memory** [MMD04]. **processor/accelerator** [CCA+13]. **Processors** [GIB+12, HLLL12, HTC+16, TBDdD11, WZ12, YC16, ZP11, BS13a, BO13, BM13, CIC+08, CIC+09, CC13a, DPP14, Geb04, GGI13, HZX+14, JHPR13, KD08, KK05b, LLPM07, LS13, LLLT08, LLTL09, Mus10, ÖNG08, PBV07, PO05, RP11, TLLL09, UAK+03, WW09, YW13, ZMB03, ZP06, ZP07, LKB14, MMS06]. **producer** [RV07]. **Profile** [WLH16, BAR13c]. **Profiling** [MSL13, LLLGR13, NSL11, STY+14]. **program** [AFG08, MF13]. **Programmability** [THA+12]. **programming** [ABI+09, BWS14, BvB13, BMM13, Gar05, LP09b, LAHS06, PÖG+13, SGDP12]. **Programs** [LL15, MKR13, WCM+16, AFG08, BSB14, CSST08, CC13b, GNP06, KS13, NNS13, TKD07]. **Progress** [BHAC15]. **Proof** [MS13b]. **Proof-Based** [MS13b]. **Propagate** [GWM16]. **Propagation** [HLLL12, RS07]. **propagation-based** [RS07]. **Properties**

[BBDR12, GZ12, CMA05]. **property** [KM09]. **Protection** [YC12, BCS+06]. **Protocol** [GDA13, CHTC07, KASD07, PS04, YFPJ14]. **prototype** [GGGK08]. **Prototyping** [CS16, DSXS+14, Goe14, KPC+16]. **Provably** [AR14]. **Providing** [DLN13, LHX+14]. **provisioning** [LDRM12]. **Proximity** [LNA+15]. **prune** [DNNP14]. **Pruning** [SC05]. **Pruning-based** [SC05]. **Pseudorandom** [MFG16]. **Psi** [BGRV15]. **Psi-Calculi** [BGRV15]. **Public** [Shu16a]. **PUF** [CCKM16]. **purpose** [GKW08]. **Python** [LHM14].

QC [VOG15]. **QEMU** [MZG14]. **QoS** [PL10, ZLL+11]. **QR** [WL09]. **QRD** [SPC+16]. **Quadratic** [AGS+16]. **Quality** [CRCR13, LKH16, MST+16]. **Quality-of-Service** [MST+16]. **Quality-Retaining** [LKH16]. **Quantitative** [SD08, SR12b]. **quasi** [FZHT13]. **quasi-static** [FZHT13]. **Quasistatic** [PLKH08]. **query** [WTSR13]. **queuing** [RGSS04].

radar [BCG+07]. **radiation** [ZHCY13]. **Radio** [SRA12, ZLL+11, KXL10, LJR12]. **Radio-Agnostic** [ZLL+11]. **radiotherapy** [ZXCH13]. **RAID** [GIA11]. **RAIDs** [BD14]. **RAIDs-on-chip** [BD14]. **random** [KJRG13]. **Randomized** [ARP12]. **Range** [HHB+05]. **Range-free** [HHB+05]. **ranging** [PSZ12b]. **Rapid** [DSXS+14, KPC+16, LSC14, LP10, ZP09]. **RapidIO** [BCG+07, BCG10]. **RapidRadio** [SRA12]. **rate** [BJM13, GNP06, SWT+14]. **ratio** [MEP08]. **ray** [ZXCH13]. **rays** [ZXCH13]. **RCML** [RHG+12]. **Reachability** [BB13, JBCS16, MG15, ADI06]. **Reactive** [JZL+15, Mos13, BCC+08, CJMB05, GNP06]. **Real** [ARS16, BMAB16, CQV+13, CKL04, CKGN14, CLS16, CQB+15, DJZ13, FBM16, GAG15, GZZ+16, HSMS16, HFA+14, HHC+16b, JBCS16, KSS16, dFMAdN12, LZL15, LX16, MM16, MZG15, Pau14, RG14, SMR15, SE10, SLCS16, SCS16, SGW+16, TKT15, UBF+16, WMGR12, ZDZ14, ZSJ12, AMCM06, AF14, AFL13, ABC+07, ABI+09, AFG08, BVGVEA10, BBL09, CMV10, CHK14b, CRJ10, CRM14, CHTC07, CCAP12, CRAJ10, DF14, DSW+09, DW10, GNW05, HT06, HTLC10, HHB+12, HCQ+14, KBDV08, KW10, KTT13, LSK+08, LES14, LQN+13, LLR14, LHX+14, MMSN14, MEP08, MRY+10, MVS+13, MALM04, MAG14, MKD13, DWCM14, NNH+14, PMM+13, PAP+12, PL10, PS10, QH07, RMM03, SP10, SKPL10, SL08, SE07, SC05, TM07, WMT12, WP11, WAD14, YK03, ZC04a, ZC04b, ZB13, ZX08, Zhu10, ZZZ+12]. **Real-Time** [ARS16, BMAB16, CQV+13, CKGN14, CLS16, CQB+15, DJZ13, FBM16, GAG15, GZZ+16, HSMS16, HFA+14, HHC+16b, JBCS16, KSS16, dFMAdN12, LZL15, LX16, MM16, MZG15, Pau14, RG14, SMR15, SLCS16, SCS16, SGW+16, TKT15, UBF+16, WMGR12, ZDZ14, ZSJ12, CKL04, SE10, AMCM06, AF14, AFL13, ABC+07, ABI+09, AFG08, BVGVEA10, BBL09, CMV10, CHK14b, CRJ10, CRM14, CHTC07, CCAP12, CRAJ10, DF14, DSW+09, DW10, GNW05, HT06, HTLC10, HHB+12, HCQ+14, KBDV08, KW10, KTT13, LSK+08, LES14, LQN+13, LLR14, LHX+14, MMSN14, MEP08, MRY+10, MVS+13, MALM04, MAG14, MKD13, DWCM14, NNH+14, PMM+13, PAP+12, PL10, PS10, QH07, RMM03, SP10, SKPL10, SL08, SE07, SC05, TM07, WMT12, WP11, WAD14, YK03, ZC04a, ZC04b, ZB13, ZX08, Zhu10, ZZZ+12]. **receiver** [KSK13]. **Reckoning** [TM15]. **Reclamation** [KJKM16]. **Recoding** [CD12]. **Recognition** [GGJ12, ZRF+12, KP13, NRL13, NPP13].

Reconfigurable [ARDG16, DSXS15, PJWY12, RHG+12, SP12, SSS11, STY+14, WRKG16, AVF+09, Bec09, CIC+08, CIC+09, CMS08, CRM14, GD14, HMMA04, LPFG13, LS09, LP09b, NBGS09, NB04, PBV07, PCK+08, RI04, SB08, SGDP12, VNK+03, VHB+13]. **Reconfiguration** [FF09, WMGR12, GNS04, HMM04, HKVI05, HPLD09, LJR12, LPFG13, PAS+09, ZBCM09]. **Reconfigurations** [Kha13, KML13, ZSJ12, CRM14]. **ReconOS** [LP09b]. **Recovering** [CRAJ10]. **Recovery** [HPS13, FO03]. **REDEFINE** [AVF+09]. **Redirection** [MST+16]. **reduce** [CRM14, LOXL13, Mus03, YFPJ14]. **Reducing** [BB13, CW14, CKIR06, JHK+06, MV16, UCK+09, ZKKC05, ZTD+06, ZA07, CSK+02]. **Reduction** [SLN+16, TBDdD11, ZZX+15, CDD+07, HXZ+13, LS13, PLKH08, ZXS03]. **Redundancy** [BB13, TTAG14, YZA13]. **Redundant** [NWA12, MB10]. **references** [HT06]. **Refinement** [DJZ13, MS13b, HDR+06, RS07]. **Reflexes** [SPP+10]. **Region** [ZWH+16]. **Region-Wide** [ZWH+16]. **regions** [LA11]. **Register** [AP09, FND+16, LOXL13, TBDdD11, YC16, CKIR06, HABT11, LS13]. **Register-to-Register** [FND+16]. **registers** [LOXL13]. **regression** [BMS13]. **Regular** [Shu15c, CMA05, MRT13]. **regulation** [YFPJ14]. **reinforcement** [PCBW13]. **ReKeying** [DS11]. **Related** [CR14, Shu15c]. **relation** [VAHC+06]. **Reliability** [BHD15, BDG+15, KRS+16, MB10, PRK15, SRNW16, Zhu10, CYKH13, RP11]. **Reliability-Aware** [KRS+16, Zhu10]. **Reliable** [GMOB13, DKV14, LHX+14, SKH+12, TTAG14]. **remapping** [RP03]. **Remote** [BVGVEA10, IFA+16, LCQ+13]. **Removal** [MM16]. **renewable** [MKD13]. **ReNoC** [SSS11]. **rental** [JKH+13]. **reordering** [GRVD12]. **reorganization** [LCJ13]. **replacement** [RG13]. **replay** [RAK14]. **replication** [FS14]. **Reporting** [MWF+16]. **Representation** [CAP15, NWA12, YLW15, TKD07]. **reprogrammable** [PO05]. **reprogramming** [DLC+14]. **Requirement** [LPFL16, LLN+14]. **requirements** [GFC+10, UCK+09]. **requiring** [KHHH14]. **rerouting** [SJRS+13b]. **Research** [BMB16, Shu15a]. **reservation** [WAD14]. **Resilience** [SK13, SHME13]. **Resilient** [HFA+14, IPL16, MST+16, RAK14]. **Resistance** [YGW+12, DLN13]. **resolution** [GJ13, PO05]. **Resource** [BMF15, DWRR14, KKCS16, LX12, REPL15, TLBM15, ZGZ15, AF14, BMM13, CHCC13, FF09, GFC+10, HE12, MPZS13, TSG10, UCK+09, WRJL06, Wu10, ZB13, ZMB03, ZLF13]. **Resource-Aware** [TLBM15]. **Resource-Constrained** [KKCS16, TSG10, UCK+09]. **resource-driven** [CHCC13]. **resource-limited** [Wu10]. **Resources** [SP12, NBGS09]. **response** [FF09]. **responsive** [SPP+10]. **Resprinting** [TBCB15]. **restricted** [LYL13]. **results** [GT05]. **Retaining** [LKH16]. **retargetable** [RDM06]. **Retention** [JRR16]. **retiming** [XHSS10]. **Retrieval** [KNL12]. **Reuse** [DPNA16, BCS+06, HKVI05]. **Revisited** [BBDR12]. **rewards** [RMM03]. **RF4CE** [LCQ+13]. **RF4CE-based** [LCQ+13]. **Rigorous** [JKH+13, NBM+16, STW13]. **ring** [BP14, CTK+13]. **ring-mesh** [BP14]. **Risk** [RHG+14]. **Robot** [LWZ+16]. **Robust** [CQB+15, CHTC07, CAPL11, KKL+16, PCM12, PSZ12a, SCF12, ISE10, MRT13]. **Robustness** [ZSM13]. **ROSES** [WCJ07]. **Rotation** [SPC+16]. **Rotation-Based** [SPC+16]. **router** [YZA13]. **routing** [CCY+13, JGD+09, PS08b, SJRS+13a]. **RQNoC** [MST+16]. **RSA** [KHHH14]. **RTL** [CMK12]. **RTOS** [HDR+06]. **RTSJ** [ZW10]. **Rule** [GZZ+16, FZHT13]. **rule-based**

[FZHT13]. **run** [BCS+06, GNS04, HMM04]. **run-time** [BCS+06, GNS04, HMM04]. **RunStream** [KPC+16]. **Runtime** [BMF15, DAHM16, DSXS15, HHC+16b, KML13, MWS15, MBKF15, TDD+16, WCM+16, CCY+13, LOG+14, LPFG13, MPZS13, MF13, PB14, SB08, STY+14, YCNCC11, ZBCM09, AVF+09].

S3PR [WWY13]. **SAFE** [ZCS+05]. **SAFE-OPS** [ZCS+05]. **Safely** [SWL07]. **Safety** [BHAC15, GZ12, IPL16, PJL+14, RS07, YLW15, ASTPH10, CMA05, DKAL05]. **Safety-Critical** [IPL16, PJL+14, ASTPH10]. **Salesman** [Ahm13]. **satellite** [MB10]. **Saving** [LKH16, ISG03]. **savings** [SVN04]. **Scalability** [HPBL12, Bec09]. **Scalable** [AGS+16, HPLD09, MBR15, PYJL15, SE07, KYHY14, LCJ13, RGdZS14, SAHE04, TLLL09]. **scale** [HHB+05, PS08b]. **Scaling** [CRCR13, JRR16, YGW+12, MMR+10]. **scenarios** [Gei10]. **Schedulability** [ARS16, MEP04, PEP05, ZB13, AF14, AFL13, BC07]. **Schedulability-driven** [PEP05]. **schedule** [QH07, SAHE04]. **scheduled** [DF14, ZB13]. **schedulers** [SMG04]. **schedules** [KMB07, SKPL10]. **Scheduling** [ARS16, AKTM16, BMAB16, CC13a, CAPL11, DBM+15, GWZ16, HSMS16, HDR+06, HTC+16, IPEP12, JCW+16, JZL+15, LLN+14, LX16, MG15, SLCS16, TGV12, TLBM15, ZGZ15, BvB13, CCAP12, DKV14, FZHT13, GNW05, HGL14, IHK04, JP14, KBDV08, LP10, LES14, LQN+13, MTL14, MBFSV07, MALM04, MKD13, NBGS09, NB04, PW13, RGSS04, SL08, SC05, TTAG14, WRJL06, XQ07, XHSS10, YK03, ZW10, ZC04a, ZM07, ZC08]. **Scheme** [DS11, KJKM16, KCC+16, LX12, PC14, PJS15, YCT16, ABS02, BS13a, CHCC13, CTK+13, JKJ+10, VS08, WSK14]. **Schemes** [BSJ15, HPO+15, HL14, SKPL10]. **schizophrenic** [YKK+13]. **Science** [Shu16c]. **SCOPES'09** [FM12]. **ScorePlus** [TSY+16]. **SCPS'09** [DSD12]. **scratch** [ABS02, NDB09, UDB06]. **scratch-pad** [NDB09, UDB06]. **scratch-pad-based** [ABS02]. **Scratchpad** [JLW+15, LXK10, BCDH12, CC13a, ELS08, HZX+14]. **screening** [GJ13]. **Scriptable** [MWF+16]. **SDF** [TBG+13]. **SDRAM** [SJC+03, TVK08]. **Sea** [LYL13]. **seamless** [ISE10]. **search** [PCBW13, TSWL10, VSSS13]. **second** [NPP13]. **secret** [CNK04]. **Section** [BCEP12, FGIS12, FM12, KM13, NKS12, PS14, Pla12, SRNW16, CP13a, CC14, CP13b, DV13, DSD12, Edi13, Hüb13, JLSK13, PCB12, STW13]. **sector** [LPC+07]. **Secure** [AARJ12, JEP16, LJR12, PS08b, Geb04, Geb06, ISTE08]. **Security** [MCS+15, RRKH04, Shu15b, Shu16b, Shu16d, WGP04, CVG+13, PS04, SL04, VS08, XQ07, ZCS+05]. **Segment** [HSMS16, TBEP16]. **Segment-Based** [HSMS16]. **Segmentation** [GGJ12, VAR13]. **seizures** [MVS+13]. **Selection** [KAKSP15, ZRF+12, BMS13, LSC14, LXL13, SWT+14, SBX08]. **Selective** [KKL+16, LLPM07, Gar05]. **Self** [BLG+15, BHET04, DJS16, DEG11, GLT+13, GNR+10, WYJ+14, Wu10, ZVL04]. **self-adaptive** [DEG11]. **self-adjusting** [Wu10]. **Self-aware** [DJS16, GNR+10]. **Self-Configuring** [BLG+15, BHET04, GLT+13]. **Self-Testing** [BLG+15, GLT+13]. **self-tuning** [WYJ+14, ZVL04]. **Semantic** [LWZ+16]. **Semantics** [BB13, BV15, CSST08]. **Semantics-preserving** [CSST08]. **Semi** [HSMS16]. **Semi-Partitioning** [HSMS16]. **semiring** [YRF10]. **semiring-based** [YRF10]. **Sensing** [HTR+16, LNA+15, MSR+12, WTSR13, YGHS08]. **sensitive** [BO13]. **Sensitivity** [RG13]. **Sensor** [DS11, GM12, GGJ12, HB16, IPL16, McI13,

MAGR15, ZRF+12, ZZX+15, ZH12a, ZLL+11, ZO16, ZC04c, BS13b, CTK+13, DLN13, DLC+14, GHZH14, HBSA04, HHB+05, KHZS07, KAK05, KXL10, KLC+10, LN04, LLLGR13, LAHS06, MLV09, PS04, PS08a, PS08b, SM13b, SGDP12, VGG+13, WYP+10, YGHS08, ZH12b, ZWY+10, ZLF13]. **Sensors** [DL12, PP12, CNC13, LYL13, NRL13]. **Sentries** [Shu16b]. **Sequence** [ZW13]. **Sequential** [GHB13, MKR13]. **Sequentialization** [WCM+16]. **serial** [RMH04a]. **server** [MALM04]. **Service** [LAZ+16, MST+16, BDP+13, LCJ13, WP11]. **Services** [JCW+16, KBCL13, PCBW13, SRY13, WTSR13]. **Set** [Fra12, AC08, LLPM07, MBFT09, RDM06, RMD09]. **Sets** [BB15]. **SFA** [PC14]. **SHA256** [GWM16]. **Shader** [YC16, YW13]. **Shading** [BCS16]. **shadowing** [LHX+14]. **Shamir** [VS08]. **shapers** [WMT12]. **shaping** [RC08]. **Shared** [CH08, KRS+16, NS16, SP12, LPB06, PLKH08, SE10]. **shared-memory** [LPB06]. **Sharing** [RKK15, BZ13, MSB08, PS08b, ZB13]. **Shortest** [GNW05]. **Shortest-path** [GNW05]. **should** [GT05]. **Side** [GW15, GWM16]. **Side-Channel** [GW15, GWM16]. **sifting** [AP09]. **Signal** [SRA12, ZO16, AMN+14, GJ13]. **Signature** [HPO+15, DLN13]. **signature-based** [DLN13]. **Silicon** [MSCS16, THA+12, AKB14]. **SIMD** [FSC+16]. **similarity** [HE12, LLR14]. **Simple** [SEB12]. **Simplex** [JBCS16]. **Simulating** [WRKG16]. **Simulation** [GD14, RG14, WMLA16, MMSN14, RDM06, RMD09]. **Simulation-based** [GD14]. **simulator** [CMP+07]. **Simulators** [Fra12, SWL+14]. **Simulink** [DP08, TSCC05]. **Simultaneous** [LRZ16, TTAG14, OOAL06]. **simultaneously** [LOXL13]. **Single** [MM16, PC14, KMB07]. **single-appearance** [KMB07]. **Siphons** [CL13, ZW13]. **size** [CKIR06, LSK+08, NP04, NDB09, ZMB03, ZXS03]. **Skiing** [VS05]. **Sleep** [JRR16]. **Sleep-Mode** [JRR16]. **Sliding** [GW15]. **Slotless** [PAS+09]. **Small** [SRG+15, Shu16c]. **Smart** [BCS16, BSJ15, DJS16, HDG+14, MFG16, SCRY16, TSY+16, VP16, CHCC13, DEG11, DZR09, Edi14, LWK+10, MSCJ12, SCF12]. **SmartLMK** [KJKM16]. **Smartphone** [GW15]. **smartphones** [SKK+14]. **SMT** [PMM+13]. **Snake** [BCS16]. **Snake-like** [BCS16]. **Snapshot** [LLN+14]. **SoC** [DJS16, JM06, JBN+13, KKO+06, LHM14, PÖG+13, TKL+15, YCNCC11]. **Social** [ZYM16]. **Socioecological** [LAZ+16]. **SoCs** [DSXS+14, ISE10]. **Soft** [FND+16, KKL+16, TP16, WMGR12, HLD+09, MMSN14, MEP08, SM13a]. **soft-object** [MMSN14]. **Software** [CAP15, Dea06, DBFH14, GLC07, JNI15, KKL+16, LS13, LBS15, MBLA16, PJS15, SWJ+13, SD13, TSY+16, TBDdD11, ZQC16, ARJ11, BCLN13, BS13a, BMS13, CMV10, CSVA+05, DZR09, FRRJ07, FZJ08, HG09, HFG13, HQB06, HKLH05, JM06, KMB07, KASD07, LOG+14, LJR12, LWK+10, MRT13, MLV09, OP06, PGR+08, RP11, Sch07, Sch10, SMG04, SE07, SVN04, SBF+05, ZCS+05, ZXS03]. **Software-Based** [KKL+16, LS13]. **Software-Controlled** [JNI15]. **software-defined** [LJR12]. **Software-Hardware** [TSY+16]. **software-only** [BS13a]. **software-pipelined** [ZXS03]. **Solar** [JC12, MBB+15]. **Solar-powered** [MBB+15]. **solid** [CCH13, CW14]. **solid-state** [CCH13, CW14]. **solution** [MTL14, ZHCY13]. **Solutions** [SEB12, SSH14]. **SOS** [YLW15]. **Source** [MF12, CCA+13, FRRJ07]. **Source-Level** [MF12]. **Sourced** [DBFH14]. **sources** [MKD13]. **Space** [CAP15, KCC+16, OFA+15, PSZ12a, BSKB+09, BFQ10,

BCG+07, JBN+13, KK05a, KASD07, LM13, MPZS13, OP06, RP03, VAR13]. **Space-Efficient** [KCC+16, KASD07]. **space-filling** [BSKB+09]. **space-oriented** [KK05a]. **sparing** [TTAG14]. **spatial** [BvB13, GFC+10]. **Spatio** [SRNW16]. **Spatio-Temporal** [SRNW16]. **Special** [BBM15, CS16, CKGN14, DPP14, DSXS15, EE16, FGIS12, GM03, IT16, JC03, KBCL13, KM13, NKS12, DWCM14, PS14, Pla12, RHG+14, Shu15c, VP16, ZQC16, BM13, CP13a, CC14, CP13b, DV13, DSD12, Edi13, GP07, HCK+08, HTLC10, Hüb13, JB02, JB03, JLSK13, KS10, MS05, PCB12, Sch07, STW13, BCEP12, FM12, Goe14, Gup04, KL13, LB04, SL04, ST05, TEC12]. **specially** [ZWY+10]. **Specific** [DASS12, LWZ+16, PSZ12a, SXXS+16a, BM13, yCBR05, JHPR13, RC08, WP11, XWHC06]. **Specification** [MS13b, BGVZ11, CD10, GHB13, KW10]. **Specifications** [CMK12, OFA+15, Gar05, MD04, ZNS13]. **Speculating** [Mus03]. **speculative** [MF13]. **speech** [KP13]. **speed** [BBL09, KT14, LLC+13, RV07, SD08]. **speed/accuracy** [SD08]. **speedups** [SVN04]. **Spilling** [TBDdD11]. **Spin** [ZBCM09]. **Split** [SBR+15, Geb06]. **split-mask** [Geb06]. **SPM** [TDD+16]. **SPMPool** [TDD+16]. **sporadic** [Bar13a, HGL14]. **Squared** [CLS16]. **SRAM** [JRR16]. **SSDs** [CSW15, CLL16, HC16]. **SSI** [BBDR12]. **SSP** [WBF+06]. **Stability** [ORA16, REPL15]. **Stable** [CLL16]. **Stack** [ZDZ14, MSB08, RRW05]. **stacked** [HL14]. **stage** [DBH14]. **Standard** [MWF+16]. **Standard-Compliant** [MWF+16]. **standby** [TTAG14]. **standby-sparing** [TTAG14]. **State** [CHS15, DQ14, CCH13, CW14, WGP04]. **State-of-the-art** [WGP04]. **statecharts** [MS13a]. **statements** [YKK+13]. **states** [ISG03]. **Static** [BCS16, DHKS15, SMR15, SWL07, SAMR06, SLCS16, WCM+16, ZMB03, FZHT13, SHME13, ZTRC03]. **static-power-efficient** [ZTRC03]. **Statistical** [Fra12, MKR13, SGT+13]. **Statistics** [CNK04]. **Stealing** [LNA+15]. **STEAM** [HDG+14]. **Step** [WZH13]. **Stereo** [HLLL12]. **STM** [CQB+15]. **Stochastic** [AH13, MEP04, ÖNG08]. **Storage** [KCWH14, Kwo16, SWJ+13, SR12a, SCRY16, WT15, YCT16, BCLN13, CKL04, CWKH12, CYKH13, MRY+10, WKC07]. **strands** [SWL07]. **strategies** [ISG03]. **Stream** [KPC+16, MG15, MV16, CC13b, DSW+09, GHB13, HE12]. **Streaming** [MASG15, ZSJ12, HFG13, HHB+12, LO13, MAG14, ZNS13]. **Streams** [HHC+16b]. **stress** [WGPH13]. **string** [LHCK04]. **string-matching** [LHCK04]. **Structure** [ZO16]. **Structured** [CD12]. **Structures** [PqBM+15]. **STT** [ZBCM09]. **Stubborn** [BB15]. **study** [DEG11, LHM14, MSS+03, MSH+14, SKW+07, SPK+12, VJD+07, VDK+08]. **Subject** [PSZ12a]. **subsystem** [KYL13]. **Sufficient** [ARS16]. **suite** [GGGK08]. **Superblock** [JKJ+10]. **superblock-based** [JKJ+10]. **SuperCISC** [JHK+06]. **superperfect** [LXK10]. **supervisor** [ZS05]. **Supervisors** [WWY13]. **Supplemental** [TEC12]. **Supplements** [Ano13, Ano14]. **support** [HT06, NB04, PZ12, SJRS+13a, VGG+13]. **Supported** [ZP11, ZSM13]. **Supporting** [DSXS+14, LDV12, SSH14]. **Surrounding** [LNA+15]. **surveillance** [MSCJ12]. **Survey** [AH13, BMAB16, BMP03, WEE+08]. **SViT** [XHK16]. **SViT-Based** [XHK16]. **Switched** [AGS+16, LS09]. **switches** [SMG04]. **switching** [NNH+14]. **Sybil** [DBFH14]. **Synchronization** [ZGZ15, AAPN14, CRJ10]. **synchronized** [GHZH14]. **Synchronous**

[BMM13, DHKS15, Gei10, BSB14, CSST08, CC13a, QP03, TBG+13, ZM07]. **Synthesis** [BRL16, yCBR05, CDH+16, KMP15, LPFL16, SXXS+16a, VRF15, BAR13b, BAR13c, CCA+13, FZK+10, GM03, HG09, HFG13, HVG13, KMB07, MRT13, QP03, SPK+12, ZS05]. **Synthesizing** [LEPP13]. **Sysfier** [RBS+10]. **System** [AKTM16, BBM15, BFQ10, CD12, DJS16, GIB+12, HB16, IT16, JC12, KSP+12, LX12, LWK+10, LYH+15, MSCJ12, MWS15, NBM+16, QP03, RG14, SGT+13, SCRY16, SVZ13, WT15, YCLV+02, ZYM16, ZX08, AMCM06, BE10, BDP+13, BJM13, CWKH12, CSK+02, CHK14b, Dea06, FRRJ07, LJ14, GGGK08, HQB06, HVG13, Hüb13, JBN+13, KCG+05, KZH+06, KGR12, LCQ+13, LKW02, LHCK04, MSS+03, MSL13, NPP13, NNH+14, PK13, PSZ12b, SVP05, Sev05, SPK+12, STY+14, TTAG14, TSBY13, VJD+07, VDK+08, VNK+03, WAD14, YDLC10a, ZHM+14]. **system-driven** [FRRJ07]. **System-Level** [LYH+15, NBM+16, ZYM16, MSCJ12, SGT+13, YCLV+02, JBN+13, MSS+03, MSL13, VJD+07, VDK+08]. **system-on-a-chip** [VNK+03]. **System-on-Chip** [DJS16, GIB+12, CHK14b, HQB06, Hüb13, TSBY13]. **System-on-Chips** [LX12]. **System-wide** [ZX08]. **System/network** [BFQ10]. **systematic** [JHPR13]. **SystemC** [CMK12, FZK+10, MWF+16, RBS+10, RSB+09, SL16, SWL+14, WMLA16]. **SystemC/C** [RSB+09]. **SystemC/C-based** [RSB+09]. **systemj** [MSCJ12]. **Systems** [AFS+13, AGS+16, AB15, BHAC15, BMAB16, BLG+15, BP12, BV15, CS16, CQV+13, CKGN14, CQB+15, DAHM16, DWRR14, DJZ13, DLH16, DBFH14, DQ14, DJS16, GLP+11, GZ12, Goe14, HSMS16, HFA+14, HHC+16a, HZX15, IPL16, IPEP12, JLW+15, JZL+15, JEP16, KSS16, Kha13, KSP+12, KCC+16, KNL12, LDV12, LS12, dFMAdN12, LZL15, LWZ+16, LLN+14, LX16, MBKF15, MS13b, Mos13, NDZ13, OBSO16, PqBM+15, PLM+15, QZXO14, REPL15, RHG+12, RRM16, RHG+14, SMR15, SR12b, Shu15a, Shu16a, Shu16c, Shu16d, SXXS+16b, SCS16, TGV12, TFL16, VP16, WMGR12, WDY+16, WRKG16, WMLM12, YC12, YLW15, YCT16, ZYM16, ZQC16, ARJ08, ARJ11, ASTPH10, AF14, ADI06, AFL13, ABS02, AEF+14, BYD09, BCDH12, BWS14, BP05, Bar13a, BCC+08, BMM13, BBL09, BCS+06, BFQ10, BCG+07, BHET04, CMA05, CCA+13, CSVA+05, CKL04, CWKH12, CYKH13]. **systems** [CCY+13, yCBR05, CRJ10, CJMB05, CRM14, CGV10, CVG+13, CHTC07, DKV14, DDG+13, DF14, DEG11, DW10, DRL+10, ELS08, ESAS14, FZJ08, FS14, FC13, Geb06, GJ13, GMOB13, GD14, GRCV03, GT05, GM03, GNR+10, Gup04, GKW08, HCK+08, HKP08, HTLC10, HLD+09, HQB07, HCQ+14, Hüb13, ISG03, JLSK13, JKH+13, KST+12, KBCL13, KKH+12, LB04, LDRM12, LMST04, LSK+08, LK10, LWB13, LP09a, LLR14, LPFG13, LOXL13, LHX+14, LHM14, MBFSV07, MRY+10, MSB08, MLL08, MKD13, MSL13, NKP+12, NDB09, PLKH08, PEP05, QH07, RP03, RV03, RS07, RRKH04, RSB+09, SWT+14, Sch07, SE10, SAHE04, SRS03, SL04, SJC+03, ST05, Shu14b, STW13, SVN04, SC05, SBF+05, TRJ05, TM07, TXL+12, TKG13, TSG10, TVK08, VAHC+06, VS05, VHB+13, VGG+13, WMT12, WP11, WLT12, WRJL06, WKC07, Wu10, WMZY13, XQ07]. **systems** [YDLC10b, YRS12, YK03, ZC04b, ZVL04, ZVN05, ZSM13, ZB13, ZP08, ZP09, Zhu10, ZZZ+12, ZC08, KL13]. **Systems-on-Chip** [WRKG16, GNR+10]. **systolic** [WL09].

Table [WLWS15, YCLV+02]. **Taiwan**

[HKLH05]. **target** [ZC04c]. **Task** [AR14, dFMAdN12, MTL14, MEP08, QP15, RN14, SMR15, SGW+16, TLBM15, Bar13a, DKV14, ESAS14, LK10, LQN+13, MEP04, TTAG14, WBS10, ZP09, ZZZ+12, ZC08]. **Tasks** [ARS16, MBP14, GNW05, HGL14, LP10, MALM04, SPP+10, XQ07, ZC04a, ZX08]. **taught** [GT05]. **Taxicab** [ZWH+16]. **TBES** [CDH+16]. **Team** [HB16]. **Technique** [HPS13, LX16, BMS13, JGD+09, ÖNG08, RP11, RMD09, ZXS03]. **Techniques** [JEP16, KKK+11, KKL+16, KDN+07, LEPP13, LBS15, SWJ+13, AP09, AFL13, BMP03, ESAS14, KM09, KK05b, SAYN09]. **Technologies** [ZQC16, BMP03, HTLC10, WP11]. **technology** [DWCM14, SBF+05]. **TECS** [TEC12]. **telecom** [YCLV+02]. **Temperature** [HDG+14, JLW+15, HCQ+14, KT14, LOXL13, TSBY13]. **Temperature-Aware** [JLW+15]. **temperature-based** [KT14]. **Template** [CDH+16]. **Template-Based** [CDH+16]. **Temporal** [AFS+13, BTL+12, LLN+14, SRNW16, BvB13]. **Ten** [PL13]. **Term** [JC12, DLC+14]. **terminals** [ISTE08, ISE10]. **TESLA** [LN04]. **Test** [CMK12, BMS13, KM09]. **Testing** [BLG+15, FMSS15, GLT+13, WLT12]. **Tests** [MKR13]. **Theoretic** [SR12b, CAP+07, SPK+12]. **theoretical** [MTL14]. **Theory** [CCKM16, Cul13, HB16, KMP15, MHT13, WDY+16, MRT13, BSKB+09]. **Thermal** [ARS16, DAHM16, FS13, HFA+14, HH13, LQN+13, CCY+13]. **Thermal-Aware** [FS13, HH13, LQN+13]. **Thermal-Resilient** [HFA+14]. **Things** [RRM16, Shu15a]. **Thou** [Shu15b]. **Thread** [PLM+15, ZP11, CRAJ10, Dea06, KASD07, SD13]. **thReads** [LKB14]. **threat** [Geb04]. **Threshold** [GWZ16]. **Thresholds** [ZGZ15]. **Through-Silicon** [MSCS16]. **Throughput** [HG09, HFG13, HCQ+14, LX16, THON12, WBS10]. **throughput-constrained** [WBS10]. **Throughput-driven** [HG09]. **Throughput-memory** [HFG13]. **Tiered** [MBB+15, GJ13]. **tight** [VLX07]. **Tightening** [RM10]. **tile** [Mus10]. **tile-based** [Mus10]. **tiling** [KK05a]. **Time** [ARS16, BMAB16, BBB16, BB13, BB15, CQV+13, CKGN14, CLS16, CQB+15, DJZ13, FBM16, GAG15, GZZ+16, HSMS16, HFA+14, HHC+16b, JBCS16, KSS16, KCJ+16, KJKM16, KMP15, dFMAdN12, LZL15, LX16, MM16, MZG15, NPAG12, Pau14, REPL15, RG14, SMR15, SLCS16, SCS16, SGW+16, TKT15, UBF+16, WMGR12, WZ12, ZDZ14, ZSJ12, AC08, AMCM06, AF14, AFL13, ABC+07, ABI+09, AFG08, BVGVEA10, BBL09, BCS+06, CMV10, CKL04, CHK14b, CRJ10, CRM14, CHTC07, CCAP12, CRAJ10, DVC+07, DF14, DSW+09, DW10, GNW05, GHB13, GNS04, HMM04, HT06, HTLC10, HHB+12, HCQ+14, KBDV08, KW10, KASD07, KTT13, LSK+08, LES14, LQN+13, LLR14, LHX+14, MMSN14, MEP08, MRY+10, MVS+13, MALM04, MAG14, MLL08, MKD13, DWCM14, NDB09, NNH+14, PMM+13, PAP+12, PL10, PS10, QH07, RMM03, SE10, SP10, SKPL10]. **time** [SL08, SE07, SC05, TM07, TTAG14, TSCC05, UDB06, WMT12, WP11, WAD14, WEE+08, YZ08, YK03, ZC04a, ZC04b, ZB13, ZX08, Zhu10, ZZZ+12]. **time-** [KASD07]. **time-aware** [GHB13]. **time-portable** [ABI+09]. **Time-Triggered** [BBB16, NPAG12]. **timed** [BS13b]. **timeout** [KR14]. **times** [DW10, MEP04]. **Timing** [MBKF15, SK13, TM07, TBEP16, AEF+14, CCB+06, LLR14, MMR+10, TSBY13, VLX07, YRF10, SAMR06]. **Tiny** [GRCV03]. **TinyOS** [GLC07, McI13, MLV09]. **TIOA** [KSS16]. **TLC** [Kwo16]. **TLC-Based** [Kwo16]. **TLM** [BFQ10, CMK12, LLC+13]. **Tolerance**

[MAGR15, AFG08, ZC04b]. **Tolerant** [BHD15, IPEP12, SSH14, BGD14, JGD+09, LLR14, PS08a, PAP+12, RMH04b, VSSS13]. **Tomahawk** [AMN+14]. **Tool** [BKMG12, BGRV15, BMB16, CCA+13, GGGK08, IBMK10, LAN06, PJL+14]. **tools** [LP09a, WEE+08]. **Toolset** [LL15]. **Topologies** [BCS16]. **torque** [ZBCM09]. **Trace** [LL15, MZG14, UM13]. **Trace-Based** [LL15]. **Traces** [MZG15]. **tracing** [ZXCH13]. **tracking** [ZHM+14]. **Tractable** [AF14]. **Trade** [CRCR13, IPEP12, LDV12, ZRF+12, CLK13, GFC+10, HFG13, SD08, SM13b]. **Trade-Off** [ZRF+12, CRCR13, CLK13, HFG13, SD08]. **Trade-Offs** [IPEP12, LDV12, GFC+10, SM13b]. **tradeoffs** [LPB06]. **traffic** [YFPJ14]. **Trajectories** [ZWH+16]. **transaction** [SD08]. **Transactions** [BLG+15]. **transfer** [ZBCM09, WLH16]. **Transformation** [SPC+16, LLPM07, MBFT09]. **transformational** [WBF+06]. **transformations** [AFG08, FRRJ07, FO03]. **transient** [VS08, YZA13]. **Transition** [BV15, GZ12, HPS13]. **Transition-Based** [HPS13]. **Translating** [TSCC05]. **Translation** [JKJ+10, Kwo16, BCDH12, CYKH13, LPC+07, PJL+14, PCK+08, Wu10, ZP08]. **Transmission** [QRB10]. **Transparency** [IPEP12]. **Transparency/Performance** [IPEP12]. **Transparent** [IFA+16]. **Transport** [AAPN14, CCY+13]. **Transport-layer-assisted** [CCY+13]. **Trapezius** [WGPH13]. **Traveling** [Ahm13]. **tree** [WKC07]. **Trees** [MG15]. **Triggered** [BBB16, FND+16, NPAG12, AAPN14]. **Trinity** [Shu15a]. **truly** [WL09]. **Trust** [RHG+14]. **Trusted** [DQ14, ARJ08]. **Tuning** [CSK+02, KST+12, KZH+06, WYJ+14, ZVL04]. **TV** [JMO14, KSK13]. **Two** [AR14, JB02, JB03, WL09]. **two-dimensional** [WL09]. **Two-Type** [AR14]. **Type** [AR14]. **Types** [TBDdD11].

ubiquitous [BDP+13]. **Ultra** [BHD15, DBH14, GJ13, JRR16]. **Ultra-Low** [JRR16]. **Ultra-low-power** [DBH14]. **UML** [KKO+06]. **UML-based** [KKO+06]. **Uncertainty** [AKTM16]. **Uncontrolled** [ZH12a]. **Undergraduate** [KCG+05]. **Unequal** [YC12]. **Unified** [CCR+14, FMSS15, KKCS16, TGV12, KXL10, OMA+13, SB08]. **Uniprocessor** [MBFSV07]. **Units** [RKK15, DBH14, RGdZS14]. **Universal** [SCRY16]. **unknown** [NDB09]. **unnecessary** [Mus03]. **Unreliable** [BHAC15]. **Update** [HZX15, TM15, YCT16, WLH16]. **upon** [Bar13a]. **UPP2SF** [PJL+14]. **UPPAAL** [KSS16, BGVZ11, BS13b]. **Urban** [ZWH+16]. **Usage** [LWZ+16, ZDZ14]. **Usage-Specific** [LWZ+16]. **use** [GNW05, WMT12]. **used** [TSWL10]. **User** [HTC+16, KJKM16, CLK13, LCQ+13, WLH16]. **User-Centric** [HTC+16]. **User-Perceived** [KJKM16]. **User-Profile-Driven** [WLH16]. **Using** [AR14, BHD15, BMF15, BAR13c, CL13, CRCR13, DL12, GZZ+16, GGJ12, HB16, HPS13, KKK+11, MM16, MV16, NWA12, NDZ13, Pau14, PP12, SOL+16, SR12b, WZH13, ZWH+16, BSKB+09, BAR13b, BGVZ11, BCS+06, CLR05, DNNP14, GGGK08, HMM04, HPLD09, KBDV08, KMB07, KM09, KASD07, KTT13, LPC+07, MSCJ12, MMS06, MMD04, MSH+14, NKP+12, NRL13, OMA+13, OOAL06, OP06, PJL+14, PSZ12b, SHME13, SB08, SWWY13, TSG10, UDB06, WCJ07, ZKKC05]. **Utility** [DWRR14, MWS15, GKW08, WRJL06]. **Utility-Based** [DWRR14]. **utilizing** [ACK+13, CTK+13]. **UWB** [CCC+14].

v11 [TEC12]. **Validation**

[GDA13, KKL+16, MF13, MD04]. **Value** [UM13, YG02]. **Variability** [PSZ12a, PAP+12, BJM13, SGT+13]. **Variability-Aware** [PSZ12a]. **Variability-tolerant** [PAP+12]. **Variable** [MWS15, SR12a, BAR13b, KD08, KK05b, LXL13, OOAL06]. **variable-length** [BAR13b, KD08]. **Variation** [BTL+12, MASG15, MAG14]. **Variations** [GM12, REPL15]. **varying** [GFC+10]. **VCPSS'09** [FGIS12]. **VecRA** [YC16]. **Vector** [LRZ16, YC16, BZ13]. **Vector-Aware** [YC16]. **Vehicle** [WMLM12, SKH+12]. **Vehicular** [LLN+14]. **Verification** [CMA05, DJZ13, GZ12, KL13, SVZ13, WMLM12, YLW15, ASTPH10, GD14, PB14, PS08a, RS07, RBS+10]. **Verified** [JBCS16]. **Verifying** [MLL08]. **Versus** [CSW15]. **vertical** [STY+14]. **Via** [MSCS16, FS13, Gar05, LPFL16, LXK10, MBLA16, PS08a, TBCB15, WCM+16]. **Video** [FS13, JCW+16, KKD+12, LDV12, PJWY12, PCBW13, LCJ13, PÖG+13]. **viewpoint** [MTL14]. **ViPES** [CS16, Goe14]. **Virtual** [DSXS+14, Goe14, KCWH14, MBLA16, SL16, SXXS+16b, ABC+07, CH08, CGV10, NKP+12, ZP08, CS16]. **Virtualization** [CWH+16, LRZ16, SJRS+13a]. **VirtualSoC** [BMB16]. **Vision** [HLLL12]. **VISTA** [KZH+06]. **Visualizing** [PP12]. **VLIW** [CIC+08, CIC+09, MG05, SCS16, TBDdD11, ZTD+06]. **volatile** [HXZ+13, WLWS15]. **Voltage** [BHD15, JRR16, SWJ+13, YGW+12, IHK04, KK05b, LK10, MMR+10, SAHE04, YK03, ZC04a]. **voltages** [HQB06]. **Volume** [Ano13, Ano14, ZXCH13]. **VPO** [KZH+06]. **vs** [CRCR13]. **vulnerability** [LS13].

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XIP [PLKH08]. **XML** [MSH+14]. **XR** [THON12]. **XScale** [CMP+07, VJD+07, VDK+08]. **XScale-based** [VJD+07, VDK+08]. **XTREM** [CMP+07]. **xTune** [KST+12].

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