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Title word cross-reference

+ [GL08]. 2 [BPCC09, LP15, RNTW22]. 3 [IAG23, JB15, SPS12, TZWZ15].
k [TK16]. *N* [MPK22]. *QR* [ZCL16].

-body [MPK22]. **-D** [SPS12]. **-Means** [TK16].

11th [AC14]. **15th** [DH08]. **16-nm** [TMLS21]. **19th** [GC13].

2 [YB18]. **2.0** [AZM⁺19]. **2.1** [JRHK15]. **200** [WBR16]. **2007** [AN09]. **2009**
[Che11, WBAM10]. **2011** [Hüb12]. **2013** [CDM15]. **2014**
[BAG15, DB15, GSCB15, RVHP16, SB15]. **2015** [CS17]. **2019** [Deh20]. **2020**
[MST22, Sha22]. **256** [MAK⁺12].

5 [AKA09]. **5.0** [LKJ⁺11].

7.0 [LGW⁺14]. **7th** [VG14].

8 [MPZ⁺20].

A-Port [PVA⁺09]. **Abstraction** [IBH⁺15]. **Abstractions** [IPC14].
Academic [MWL⁺15]. **Accelerated** [MHS⁺19, MCC10, SKJ22, BE19].
Accelerating [JLB⁺08, PFL22, SDGL⁺22, TZWZ15, VL11, ZG16, ZVS20].
Acceleration [BMC⁺22, CAPA⁺09, CBR⁺14, CZ09, DFB⁺22, HNM⁺22, KLC11, KZB23, LUX⁺21, MCD⁺18, PFC15, PBPLA17, RRLW22, TK16, WTS19, WMG⁺10, WWC⁺22, XCG⁺09, YOY17, YBS16, ZBR12].
Accelerator
 [CNZ⁺18, DCL⁺22, HLW⁺21, LML⁺23, LDJ⁺17, QNF⁺23, SZKR22, SKW⁺21, TWL⁺23, YHK⁺21, YEC⁺09, YGH⁺18, ZZJB13, YXC⁺11].
Accelerators [GZY⁺18, JRHK15, SLL⁺20, SKJ22, UNBR14]. **Access**
 [LYZ⁺18]. **Accesses** [PFC15]. **Accumulator** [WS16]. **Accuracy**
 [DHL⁺18, KY18, LP15, UNBR14]. **Accurate**
 [AVCP20, CSK17, DLBM18, JM14]. **ACE** [HLW⁺21]. **ACE-GCN**
 [HLW⁺21]. **Adaptable** [MLPK22]. **Adaptation** [FL20]. **Adaption** [BHI15].
Adaptive [CNE⁺15, GRNW22, INF⁺14, JCG⁺12, LSP⁺23, NNY12, OVI⁺12, PMC⁺14, SGW20, Tak17, ZCL15, Tak12, DGP⁺15]. **Adder**
 [PBBP18]. **Adders** [HU10]. **Adding** [PSM⁺14]. **Addition**
 [CAPA⁺09, OBD13]. **Addition-Related** [OBD13]. **Adjustable** [ZWM19].
Adjustment [NW11]. **Advantage** [MPK22]. **Advantages** [WSDH23].
adventure [RD11]. **Aerial** [CZ09]. **Aerospace** [WGGR16]. **AES**
 [DGP10, HF14]. **against** [LOM10]. **Agent** [GMBC17]. **Aging** [CAG⁺22].
Agreement [ADSH18]. **AIgean** [TDH⁺22]. **Ain't** [RNTW22]. **Algorithm**
 [CBR⁺14, EWL15, RLY⁺15, Ste10, TL11, TK16, ZCK22].
Algorithm/Architecture [EWL15]. **Algorithmic** [ZVS20]. **Algorithms**
 [CW09, LRA13, NSS⁺11]. **Alignment** [JLB⁺08, MCC10, OBD13]. **Altera**
 [SMOP15, TK16]. **Amenability** [HNG09]. **Analyses** [DRHM22]. **Analysis**
 [BPDF11, CCF⁺18, CFBS15, CKG⁺10, JCGW20, MMT09, PRV21, PPR⁺10, RGGW10, RGCL16, RMSK16, SB08, TMLS21, GP13, Tak12].
Analytical [KSCC10, LAL13, YCV⁺21, DW13, HGLS11]. **Analytics**
 [SZKR22]. **Analyzing** [GSJC13]. **Application** [ABCC09, BBND10, CM14, DDB⁺10, GdLIG⁺14, JSC14, KGS15, LJS11, MLPK22, MWK⁺12, PMKM11, RUC11, SSK⁺23, SLL⁺20, VTN09, WYZ16, WMG⁺10, YFW⁺17, SSF⁺13].
Application-Optimized [YFW⁺17]. **Application-Specific**
 [PMKM11, LJS11, SLL⁺20]. **Applications** [AZM⁺19, AI22, CFBS15, CKG⁺10, DFB⁺22, GKM⁺12, IAG23, KBM09, KCC⁺14, LZP⁺10, LBRS16, NJLW14, PSM⁺14, PVB13, RRW⁺22, SGC21, WHQ⁺08, KSG11]. **Applying**
 [NSS⁺11]. **Approach**
 [CM14, KM10, LYZ⁺18, MWK⁺12, NBS13, SBC15, WSDH23]. **Approaches**
 [CHG22, MVGB15, SAD10]. **Approximate** [FAB22]. **ARC**
 [BAG15, DB15, GSCB15, SB15, WBAM10]. **ARC'08** [CWBD09].

Architecture [BYB23, ADSh18, ATJZ16, BCE⁺¹⁰, CXG⁺¹², DS15, EWL15, FT17, GMBC17, IZO⁺¹⁰, IGM⁺²⁰, IF23, IBH⁺¹⁵, KLD16, KSCC10, KAL14, KD21, LNGP22, LGW⁺¹⁴, MPZ⁺²⁰, OWMZ11, PFC15, PB18, RRLW22, RNTW22, SBC10, SB15, SZZW23, SKB⁺²², Tak17, VL11, WS16, XJD⁺¹⁶, ZCL16, DW13, LKJ⁺¹¹, Oli12]. **Architectures** [BBND10, BDX⁺¹⁹, CBC⁺¹², DSB09, EBYB20, GC13, IAG23, JTLC09, KY18, LAL13, LFN⁺¹⁸, WCK21, YB18, HLL08]. **Area** [DD15, KY18, Tho15, WCK21]. **Area-Efficient** [DD15, Tho15]. **ARISE** [VTN09]. **Arithmetic** [SCC10, TMLS21, WWC⁺²²]. **ARM** [GHWS22]. **Array** [BCW21, SLH⁺¹⁰, ZCL16]. **Array-System** [BCW21]. **Arrays** [DPHT19, HNM⁺²², SCC10, ZCK22, ZH12]. **Artificial** [KAL14]. **ASIC** [BYB18, DE22]. **ASIP** [EWL15]. **Assembly** [BGSL17]. **Assignment** [SB08]. **Associative** [DD15]. **Assurance** [CHG22, KMK⁺¹⁰]. **Asymmetric** [SDG12]. **Atmospheric** [GFL⁺¹⁵]. **Attack** [SGM09]. **Attacks** [GER19, GTS23, KGT19, MDL⁺²³, ZQ19]. **Authenticated** [ADSH18]. **Automata** [BDX⁺¹⁹, KD21, MHS09]. **Automated** [DD18, RMSK16, SCC10]. **Automatic** [AZM⁺¹⁹, APR⁺²², YB18, YBS16]. **Automatically** [LP15]. **Automating** [NCJ⁺¹⁵, YFW⁺¹⁷]. **Automation** [SV09]. **Autonomous** [BMR16, DVK15]. **Avionics** [LZF⁺¹⁰]. **avoidance** [RD11]. **Aware** [BAG15, BKT14, HNS⁺¹⁰, LCS14, NJLW14, SB08, EA11, KSG11, ZVS20]. **Awareness** [AHL⁺¹⁴, Bec14, DGP⁺¹⁵]. **AWS** [ES22].

Bandwidth [AI22, BBND10, HNM⁺²², SLH⁺¹⁰, USY17, BC11, ZZB⁺²⁰]. **Bandwidth-Bound** [AI22]. **Bandwidth-Reduction** [SLH⁺¹⁰]. **Based** [AL16, BAG15, CBFM14, CZ09, DGP⁺¹⁵, DCL⁺²², DL09, EWL15, GWPK20, GDHG11, GHO17, HLN⁺¹⁰, JCG⁺¹², JTLC09, Kap16, KBT09, KD10, KGS⁺¹², LBRS16, LZ19, LT09, LL12, MVGB15, MWBL21, MZLS20, NNY12, OVI⁺¹², PRV21, PPR⁺¹⁰, RC10, SLH⁺¹⁰, SB15, SP20, TYB18, USY17, WGGR16, YOY17, ZCL16, ZBC⁺⁰⁹, ZNA⁺¹⁸, ZBB⁺¹⁶, AHAM⁺¹⁹, CAG⁺²², DLCJ20, EA11, GWXW21, GZY⁺¹⁸, HLL08, KZB23, LZF⁺¹⁰, LSP⁺²³, LFN⁺¹⁸, MLFS22, MKSB22, MBBJ11, SKW⁺²¹, SLL⁺²⁰, Ste10, TWL⁺²³, WTS19, WWC⁺²², YXC⁺¹¹, YHK⁺²¹, ZBR12, ZQ19, ZZB⁺²⁰, KP14, UNBR14, ZZJB13]. **Behavior** [PVA⁺⁰⁹]. **Benchmarks** [MWL⁺¹⁵, PB18]. **Benefits** [PSM⁺¹⁴]. **Bent** [SZZW23]. **between** [LW08, MWL⁺¹⁵, TOS17]. **Big** [RMSK16]. **Binary** [ADSH18, FAB22, PFC15]. **Binary-Unary** [FAB22]. **Biomedical** [KCC⁺¹⁴, YBS16]. **BISWSRBS** [YHK⁺²¹]. **Bit** [UCR⁺¹⁹]. **Bit-Serial** [UCR⁺¹⁹]. **Bits** [DVK15]. **Bitstream** [BPDF11, SMOP15]. **Bitwidth** [VDdSN23]. **BlastFunction** [DFB⁺²²]. **BLASTP** [JLB⁺⁰⁸, MH15]. **Block** [BDGH15, CBFM14, DE22, EBYB20, TYB18, ZCK22]. **Block-Based** [CBFM14]. **Blocks** [AGM⁺²², FK08, RRW⁺²², TMLS21, PMKM11]. **BNN** [DCL⁺²²]. **body** [MPK22]. **Boltzmann** [KAL14]. **Bottleneck** [SKJ22, KSG11]. **Bound** [AI22, MHS09, RLM⁺¹⁷]. **BRAM** [AZM⁺¹⁹].

BRAMs [DGP10]. **Branch** [RLM⁺17]. **Bringing** [DFB⁺22]. **Broadcast** [PSM⁺14]. **Buffer** [JSG⁺22]. **Building** [AGM⁺22, DE22]. **BurstZ** [SKJ22]. **Buses** [HBA⁺15].

C [ES22]. **C/C** [ES22]. **Cache** [AI22, KD19, SDG12]. **Cache-coherent** [KD19]. **Cache-Unfriendly** [AI22]. **Caching** [SLL⁺20]. **CAD** [KA17, LKJ⁺11, LGW⁺14, MWL⁺15, MPZ⁺20]. **calculation** [DCL⁺22]. **Calculus** [GWPK20]. **Calculus-Based** [GWPK20]. **Cannot** [BYB18]. **Capabilities** [GFBF12]. **Capability** [LZF⁺10]. **Capable** [BMR16, KA21]. **care** [MBJJ11]. **Carlo** [TB10]. **Carry** [PABI09]. **Cartography** [SGM09]. **case** [NSS⁺11]. **CDO** [KLC11]. **Cell** [IZO⁺10, KA17, PABI09]. **Cellular** [KD21, MHS09]. **Centers** [ENPR22a, ENPR22b, KW22]. **Centric** [BFBN⁺20, VG14]. **CGRA** [VL11, WCK21]. **CGRA-EAM-Rapid** [WCK21]. **CGRAs** [CM14, WSDH23]. **Chain** [PABI09]. **Challenges** [CLL⁺22]. **Channel** [GTS23, SG15, GER19]. **Characterization** [WMG⁺10]. **Check** [DL09]. **Checking** [CPFM21, PD15]. **Checkpointing** [AB20]. **Chief** [Che19]. **Chip** [AB14, BCW21, CTH16, CSK17, DE22, GMBC17, GdLLG⁺14, GS10, HBA⁺15, JSC14, LL12, VG14, GNM⁺15]. **Choose** [RD11]. **Choose-your-own-adventure** [RD11]. **Cibola** [QRDC⁺15]. **Circuit** [AHSS⁺21, DVH⁺15, EAAAA19, KS20, LL12, WSC09, GL08]. **Circuit-Switched** [LL12]. **Circuitry** [GGR⁺18]. **Circuits** [BMR16, CBC⁺12, CAG⁺22, DL09, GRNW22, JSG⁺22, LSP⁺23, SC08, SV09, Ste10, WBR16, WBR18]. **Classification** [ZWM19]. **Clock** [GRNW22, WSDH23, LW08]. **Clocking** [DB15]. **Cloud** [BDX⁺19, BE19, BMC⁺22, DFB⁺22, DE22, ES22, GTS23, KZB23, KGT19, LSP⁺23, MKSB22, ZDS⁺22, EAAAA19]. **Cloud-native** [DFB⁺22]. **Clouds** [APR⁺22, DE22, RHLK18]. **cluster** [GNM⁺15]. **Clustering** [LRA13, EA11]. **Clusters** [FK08, OKA19, TDH⁺22]. **CNN** [LFN⁺18, MCD⁺18, MZLS20, WWC⁺22, YHK⁺21, YGH⁺18]. **CNN-based** [LFN⁺18]. **CNNs** [dMdLC23]. **Co** [EWL15, ZHL⁺21]. **Co-Design** [ZHL⁺21]. **Co-Exploration** [EWL15]. **Coalesce** [AI22]. **Coarse** [VL11, WCK21, XJD⁺16]. **Coarse-Grained** [VL11, XJD⁺16, WCK21]. **Code** [DVH⁺15, DC16, ES22, GRG08, ZG16]. **codesign** [SC11]. **Coding** [BAG15]. **Coefficient** [FAB22]. **CoEx** [EWL15]. **COFFE** [YB18]. **Coherency** [SDG12]. **Coherent** [PRV21, KD19]. **Collaborative** [MZLS20]. **Column** [VL11]. **Column-Oriented** [VL11]. **Combination** [DRHM22]. **Combinatorial** [WSC09]. **Combined** [PP10]. **Commercial** [FL16, MWL⁺15, ZML⁺22, PANBI11]. **Communication** [HNS⁺10, KLD16, SKJ22, TL11, VG14, HZW⁺13]. **Communication-Aware** [HNS⁺10]. **Communication-centric** [VG14]. **Communications** [BNW⁺10]. **Comparison** [BNW⁺10, LA17]. **Compatible** [LT09]. **Compensation** [DNL19]. **Compilation** [BPDF11, ES22, MWK⁺12, UAS16]. **Compile** [PPR⁺10]. **Compile-Time** [PPR⁺10]. **Compiler** [HLC⁺15, ZG16]. **Complex** [YB18]. **Complexity** [FRS⁺15]. **Compliant** [BCW21].

Component [SCC10]. **Components** [ATJZ16, DC16, RDC⁺21].
Composing [LLO⁺14]. **Comprehensive** [JCG⁺12, MZLS20, GP13].
Compressed [DCL⁺22]. **Compression**
 [GRG08, PP10, PBBP18, SKJ22, USY17, IYY⁺11].
Compression/Decompression [PP10]. **Compressor**
 [CAPA⁺09, PABI09, PANBI11]. **Computation** [IF23, dMdLC23].
Computational [HNM⁺22, RGCL16]. **Computations** [RDC⁺21].
Compute [MHS09]. **Computer** [LYS⁺08, NSS⁺11]. **Computers**
 [SPM⁺10, THK12]. **Computing** [AJYH18, Bec14, CH10, CKG⁺10,
 EAGEG09, FAB22, HNS⁺10, IAG23, JCG⁺12, MH15, MWBL21, RGGW10,
 RDB⁺18, SKJ22, USY17, UAS16, UCR⁺19, WGGR16, dDELVP13, KSG11].
Conference [AC14, LAA⁺17]. **Configurable** [PABI09, PRV21, WS16].
Configuration [CAG⁺22, DVK15, HBA⁺15, KD10]. **Configuration-based**
 [CAG⁺22]. **Configurations** [MHK⁺08]. **CoNFV** [ZSP⁺21]. **Congestion**
 [AHAM⁺19, CTH16]. **Congestion-estimation** [AHAM⁺19]. **Conjugate**
 [RC10]. **Connected** [ATJZ16]. **Connection** [ZVS20]. **Connection-aware**
 [ZVS20]. **Consideration** [TL11]. **Considering** [SC08]. **Consolidation**
 [DCL⁺22]. **Constant** [FAB22, HCOB13]. **Constant-Coefficient** [FAB22].
constrained [MHS⁺19]. **Constraint** [MWK⁺12]. **Constraints**
 [BAMR10, INF⁺14, LP15]. **Construction** [YFW⁺17]. **Context**
 [AB20, BMR16, KA21, NW11, SKW⁺21]. **Context-Switch** [BMR16, KA21].
Continuous [GGR⁺18]. **Control** [NW11, ZG16]. **Control-Intensive**
 [ZG16]. **Controller** [GdLIG⁺14]. **Converter** [DNL19]. **Convolution**
 [WTS19]. **Convolutional** [BYB18, DWN⁺22, LDJ⁺17, LFN⁺18, MHS⁺19,
 PBBP18, TWL⁺23, VDdSN23]. **Coordination** [ASGY12, PMC⁺14].
Coprocessor [GS10]. **CORDIC** [ZCL15, ZCL16]. **CORDIC-Based**
 [ZCL16]. **Core** [IZO⁺10, WPSI18, WMG⁺10, BYB23, QNF⁺23, SGNB08].
Correlation [GSJC13, LML⁺23]. **COSMIC** [GGR⁺18]. **Cost**
 [DPHT19, TL11, PDH11, ZH12]. **Countermeasure** [MMMT09]. **Counters**
 [LT09]. **Counting** [FK08, PBPLA17]. **Covert** [GER19, GTS23]. **Covert-**
 [GER19, GTS23]. **CPU** [CCF⁺18, MCD⁺18]. **CPUs** [TOS17]. **Creating**
 [DE22]. **Creative** [MCL⁺13]. **Cross** [BDX⁺19, YGH⁺18, GTS23].
Cross-layer [YGH⁺18]. **Cross-Platform** [BDX⁺19]. **Cross-VM** [GTS23].
Cryo [TZWZ15]. **Cryo-Electron** [TZWZ15]. **Cryptographic**
 [BDGH15, SKW⁺21, SGM09]. **Cryptography** [GFBF12, KBM09, SG15].
Crystals [ZHL⁺21]. **Crystals-Dilithium** [ZHL⁺21]. **Curve**
 [ADSH18, GPP08, KBM09, SG15]. **Curve25519** [SG15]. **Custom**
 [GRG08, LCS14, PBBP18, TOS17]. **Customizable** [MPZ⁺20]. **Customized**
 [LFN⁺18, MLPK22]. **cuts** [KVK⁺11]. **Cycle** [CSK17]. **Cycle-Accurate**
 [CSK17].

D [BPCC09, IAG23, JB15, LP15, RNTW22, SPS12, TZWZ15]. **D-LSTM**
 [RNTW22]. **D-stacked** [IAG23]. **Data** [ENPR22a, ENPR22b, GKM⁺12,
 HLW⁺21, IABV15, KA21, KW22, LYZ⁺18, PVB13, RMSK16, SZKR22,

SWT⁺22, SKH⁺22, USY17, WAT15, dMdLC23, CA11, ZZB⁺20].
Data-driven [HLW⁺21]. **Data-Flow** [GKM⁺12]. **Data-Level** [PVB13, CA11]. **Databases** [VL11]. **Datacenters** [BE19, BMC⁺22].
Dataflow [JSG⁺22, YCV⁺21, ZG16]. **Datapath** [SBC15, WHQ⁺08].
Datapath-Oriented [WHQ⁺08]. **DBSCAN** [SB15]. **DCT** [CA11]. **Debug** [JCGW20, WHQ⁺08]. **Debugging** [IPC14, JCGW20, KS20]. **Decision** [OKA19]. **Decoders** [DLCJ20, CA11]. **Decomposition** [ZCL16].
Decompression [KBT09, PP10]. **Deconvolutional** [LFN⁺18]. **Dedicated** [NZI22]. **Deep** [AHSS⁺21, BPF⁺18, BATM22, CPW18, DWN⁺22, EBYB20, LDJ⁺17, MHT⁺21, RHLK18, ZDS⁺22, AGM⁺22]. **Deep-Learning** [BPF⁺18]. **Deeply** [LFN⁺18]. **defect** [RD11]. **Defenses** [ZQ19]. **defined** [LUX⁺21]. **Deflection** [KG17]. **Deflection-Routed** [KG17].
Defragmentation [FKS⁺12]. **Delay** [LOM10, MHK⁺08, SC08, WYZ16].
Delayed [FL20]. **Delays** [GNM⁺15, WSC09]. **Demands** [RUC11].
Demystifying [LFS22]. **Dense** [RC10, RMSK16]. **Density** [LML⁺23].
DEpendability [KGS⁺12, WGGR17]. **Dependable** [Ste10]. **Dependency** [GWXW21, JCGW20]. **Deploying** [MKS22, TDH⁺22]. **Deployment** [BDX⁺19]. **Depth** [CCF⁺18]. **Derivatives** [MWBL21]. **Design** [BKT14, BMR16, CHG22, DLCJ20, DL09, EWL15, GWPK20, GHO17, IPC14, JSC14, JB15, KMK⁺10, LP22, MKP09, MLFS22, MHS⁺19, MZLS20, NBS13, PRV21, SJT09, SBC15, SKB⁺22, Tak12, UNBR14, VDdSN23, ZHL⁺21, HLL08, HH13, MAK⁺12]. **design-space** [HLL08]. **Designing** [AHL⁺14, FK08]. **Designs** [BPCC09, DD18, DHL⁺18, DB15, RLM⁺17, WYZ16]. **Desktop** [LYS⁺08].
Detailed [NZI22]. **Detection** [AVCP20, ATJZ16, PD15, YGH⁺18, KSG11].
Development [VTN09, DW13]. **Device** [CXG⁺12]. **Devices** [FKS⁺12, RGCL16, WMG⁺10]. **DF** [APR⁺22]. **Dictionary** [GRG08].
Difference [NJLW14, SLH⁺10]. **Differential** [MMMT09]. **Digital** [BNW⁺10, DNL19, LP15, MCN12, SSC16]. **Digital-Signal** [SSC16].
Lithium [ZHL⁺21]. **direct** [ZBR12]. **Directional** [KG17]. **Disaggregated** [ASPP22]. **Discovery** [MCL⁺13]. **Discrete** [GdLIG⁺14, GPP08].
Distributed [LP22, OKA19, HZW⁺13]. **Div** [MLFS22]. **Divider** [MLFS22].
DL [GZY⁺18]. **DMA** [SSK⁺23]. **DNN** [APR⁺22, RRLW22]. **Do** [BYB18].
Domain [DDH⁺11, NSS⁺11]. **Domain-Specific** [DDH⁺11]. **don't** [MBJJ11]. **don't-care-based** [MBJJ11]. **DORGA** [NW11]. **Dot** [VDdSN23]. **Double** [LGD⁺14]. **Double-Precision** [LGD⁺14]. **DPA** [LOM10]. **DRAM** [SLL⁺20]. **DRAM-based** [SLL⁺20]. **Driven** [DSK15, LRA13, MWL⁺15, Ste10, YGH⁺18, EA11, HLW⁺21, ZML⁺22].
driver [LKJ⁺11]. **DSL** [SP20]. **DSL-Based** [SP20]. **DSP** [CBFM14]. **DSPs** [DGP10]. **Dual** [HF14]. **Dual-Rail** [HF14]. **Dynamic** [AZM⁺19, BHI15, CTH16, CW09, DVH⁺15, DRHM22, FKS⁺12, KP14, KS20, LP15, TWG⁺20, VPPK20, VMV15, NSS⁺11]. **Dynamically** [BBND10, DGP⁺15, HHSC10, MSSM10, NNY12, TL11, ZBB⁺16, HLL08, HH13, IYY⁺11]. **Dynamics** [CH10, HNM⁺22].

EAM [WCK21]. **ECC** [DL09, GS10]. **Edge** [DCL⁺22, KZB23].
Edge-skip-calculation [DCL⁺22]. **Edition** [DH08]. **editor** [AN09, Che19].
Editor-in-Chief [Che19]. **Editorial**
[CDM15, Che19, DH08, GSCB15, WBAM10]. **Editors** [SJT09]. **Edwards**
[ADSH18]. **Effect** [HLC⁺15]. **Efficiency** [BYB18, DPHT19, PBBP18].
Efficient [BMR16, BGSL17, CCT⁺22, DD15, DLBM18, EBYB20, FT17,
FK08, HU10, KSCC10, KD19, LYZ⁺18, MCD⁺18, PBPLA17, RLY⁺15,
RLM⁺17, SLH⁺10, SSK⁺23, Tho15, VDdSN23, CA11]. **EiC** [Che22]. **Elastic**
[APR⁺22]. **Elastic-DF** [APR⁺22]. **Electrical** [KGT19]. **Electrical-level**
[KGT19]. **Electromagnetic** [SGM09]. **Electron** [TZWZ15]. **Element**
[MVGB15]. **Elementary** [LGD⁺14]. **Eliminating** [SKJ22]. **Elimination**
[NCJ⁺15]. **Elliptic** [GPP08, KBM09, SG15]. **Embedded**
[BHI15, Kap16, KBT09, RRW⁺22, WPSI18, WHQ⁺08]. **Embedding**
[HLW⁺21]. **Emulation** [CSK17, ZZB⁺20]. **EmulatoR** [KGS⁺12]. **Enable**
[AZM⁺19, AB20, RDB⁺18]. **Enabled** [HNM⁺22, BYB23]. **Enabling**
[MWL⁺15, OVI⁺12]. **encoded** [KVK⁺11]. **Encryption** [SMOP15]. **End**
[BPF⁺18]. **End-to-End** [BPF⁺18]. **Energy**
[DSK15, DLBM18, DPHT19, KLD16, LP15, WCK21, CA11].
Energy-Efficient [DLBM18, CA11]. **Energy-Reliability** [DSK15].
Engines [XCG⁺09, YXC⁺11]. **Enhanced** [JCCM09, ZCL15, ZCL16].
Enhancement [ABCC09]. **Enhancements** [ZVS20]. **Enhancing**
[GKM⁺12, GHWS22, MCN12, RDC⁺21, TYB18]. **Enough** [RNTW22].
Ensembles [OKA19]. **Entropy** [FK08]. **Environment** [MCL⁺13].
Environmentally [SGW20]. **Equations** [GFL⁺15]. **Era** [AGM⁺22]. **Error**
[DVK15, PD15, ZNA⁺18]. **Estimation** [DHL⁺18, DNL19, LML⁺23, WPSI18,
WCK21, WSDH23, YCV⁺21, AHAM⁺19]. **ETA** [PEM⁺09]. **Evaluating**
[LAL13, PFL22, PB18, WGGR16]. **Evaluation**
[BDX⁺19, KY18, LOM10, NJLW14, SKB⁺22, SMOP15]. **Evaluations**
[KGS⁺12]. **Evolution** [CBC⁺12]. **Evolutionary** [ZCK22]. **Evolvable**
[DS15]. **Evolving** [MLPK22]. **Exact** [OROS⁺19]. **Example** [SP20].
Execution [DSK15]. **Exotic** [FT17]. **Experiment** [QRDC⁺15].
Exploitation [INF⁺14, MAK⁺12]. **Exploiting** [BDGH15, CA11, EAGEG09,
GER19, LCS14, LZF⁺10, MCD⁺18, PVB13, SKH⁺22]. **Exploration**
[BPF⁺18, EWL15, MZLS20, RRLW22, UNBR14, HLL08, LKJ⁺11].
Exploring [JTLC09, MWL⁺15, SPS12]. **Exponentiation** [dDELVP13].
Expressions [LT09]. **Extended** [DGP10]. **Extending** [GdLIG⁺14].
Extensible [WS16]. **Extension** [GB11, GFBF12, MWK⁺12]. **Extraction**
[GNM⁺15].

Fabric [BHB14, SDGL⁺22, WHQ⁺08, SPS12]. **Fabrics** [KA17]. **Factor**
[LRA13]. **Factored** [KAL14]. **Fast**
[AVCP20, BAG15, BPF⁺18, BDX⁺19, CSK17, HU10, HLW⁺21, JCGW20,
JM14, NW11, UNBR14, YGH⁺18, ZCK22, ZWM19, SSF⁺13, SP20]. **Fault**
[BKT14, JCG⁺12, RLY⁺15]. **Fault-Tolerant** [BKT14, RLY⁺15]. **FCCM**

[Deh20]. **FCCM'16** [Bak18]. **FeatherNet** [MHS⁺19]. **Feel** [AB20]. **FEM** [BGSL17]. **FGPU** [MHT⁺21]. **Field** [AC14, BCW21, CAPA⁺09, DPHT19, HNM⁺22, SCC10]. **Field-Programmable** [AC14, DPHT19, HNM⁺22, SCC10]. **FIFOs** [GWPK20]. **Filter** [BPCC09]. **Filtering** [LP15]. **Filters** [CNE⁺15, SWT⁺22]. **Financial** [TB10]. **Fine** [KD19, RBR16, YHK⁺21, ZNA⁺18]. **Fine-Grained** [RBR16, ZNA⁺18, KD19, YHK⁺21]. **FinFET** [TML21]. **Fingerprint** [XJD⁺16]. **Finite** [NJLW14, SLH⁺10, GDHG11]. **Finite-Difference** [NJLW14]. **FINN** [BPF⁺18]. **FINN-R** [BPF⁺18]. **FIR** [LP15]. **First** [LAA⁺17, Che22]. **Fixed** [RGCL16, WL10, WMG⁺10]. **Fixed-** [WL10]. **flexibility** [LW08]. **Flexible** [DS15, LBRS16, LZ19, MCD⁺18]. **FlexSaaS** [CNZ⁺18]. **Flight** [QRDC⁺15]. **Floating** [FL16, HU10, OBD13, RC10, USY17, WL10, WS16, WWC⁺22, dDELVP13]. **Floating-Point** [FL16, HU10, OBD13, USY17, WL10, WS16, dDELVP13, WWC⁺22]. **Floorplan** [KSCC10]. **Floorplanning** [MSSM10]. **Flow** [BNW⁺10, BMR16, BHB14, GKM⁺12, HNM⁺22, KA17, RLY⁺15, SCC10, ZG16]. **Footprint** [CW09]. **Forget** [AI22]. **format** [SLL⁺20]. **FOS** [VPPK20]. **Fourier** [SP20]. **FPGA** [BYB23, AZM⁺19, AHSS⁺21, AVCP20, APR⁺22, ABCC09, AGM⁺22, AB20, BCE⁺10, BAG15, BPDF11, BFBN⁺20, BDGH15, BE19, BMC⁺22, BYB18, CHG22, CA11, Che11, CW09, CCF⁺18, CSK17, CZ09, CLL⁺22, CAG⁺22, DFB⁺22, DW13, DVK15, DHL⁺18, DNL19, DE22, DL09, ES22, EBYB20, EAAAA19, FRS⁺15, FLM⁺17, GP13, GWPK20, GFBF12, GMBC17, GSJC13, GER19, GRG08, GHWS22, GHO17, GZY⁺18, HF14, HGSL11, HCOB13, HLW⁺21, IF23, IPC14, JCG⁺12, JRHK15, JCCM09, JM14, KLD16, KLC11, KZB23, KM10, Kap16, KBM09, KVK⁺11, KMK⁺10, KY18, KAL14, KA17, KGS15, KBT09, KD10, KS20, LA17, LUX⁺21, LCS14, LW08, LZF⁺10, LGD⁺14, Leo22, LAL13, LML⁺23, LDJ⁺17, LFN⁺18, LT09, LKJ⁺11, MLPK22, MLFS22, MCD⁺18, MAK⁺12, MCN12, MZLS20, MPZ⁺20, MHS09, NNY12, NZI22, PWP⁺16, PDH11, PMGL22, PABI09, PMKM11, PB18]. **FPGA** [PBPLA17, RDC⁺21, RC10, RRLW22, SLH⁺10, SB15, SC08, SV09, Sha22, SLL⁺20, SZZW23, TL11, TWL⁺23, Tho15, TB10, USY17, UNBR14, VPPK20, VDdSN23, WTS19, WYZ16, WHQ⁺08, WWC⁺22, WGGR16, WGGR17, XCG⁺09, YXC⁺11, YB18, YOY17, YGH⁺18, ZDS⁺22, ZBR12, ZZJB13, ZQ19, ZCK22, ZBC⁺09, ZNA⁺18, ZVS20, ZBB⁺16]. **FPGA-accelerated** [BE19]. **FPGA-Array** [SLH⁺10]. **FPGA-Aware** [LCS14]. **FPGA-Based** [UNBR14, ZZJB13, CZ09, GHO17, JCG⁺12, Kap16, KBT09, LT09, NNY12, RC10, SB15, USY17, WGGR16, YOY17, ZNA⁺18, ZBB⁺16, GZY⁺18, KZB23, MLFS22, TWL⁺23, WTS19, WWC⁺22, YXC⁺11, ZBR12, ZQ19]. **FPGA-optimized** [ZCK22]. **FPGA-SoCs** [GHWS22]. **FPGADefender** [LMG⁺20]. **FPGAs**

[AB14, AKA09, AHAM⁺19, AJYH18, AI22, BKT14, BAMR10, BNW⁺10, BPCC09, BHB14, CAPA⁺09, CBFM14, CPW18, CCT⁺22, CXG⁺12, CPFM21, CPN⁺09, CFBS15, DH08, DLCJ20, DDH⁺11, DD15, DGP⁺15, DGP10, DB15, ENPR22a, ENPR22b, FL16, FAB22, GRNW22, GTS23, HU10, HBA⁺15, IAG23, KG17, KA21, KW22, KGT19, KD21, LMG⁺20, LLO⁺14, LSP⁺23, LOM10, LFS22, LGW⁺14, MHK⁺08, MKSB22, MMT09, MPK22, MVGB15, MDL⁺23, MSSM10, MHS⁺19, OKA19, PFL22, PANBI11, PVA⁺09, PVB13, RVHP16, RLM⁺17, RDB⁺18, RHLK18, SGM09, SWT⁺22, SKH⁺22, SSF⁺13, SPS12, SB08, Ste10, SDM⁺18, SSC16, SKB⁺22, SMOP15, TMLS21, TWG⁺20, TYB18, VMV15, WSC09, WAT15, ZZB⁺20, ZML⁺22]. **FPL** [BGS17, YFW⁺17, CDM15, CS17, LAA⁺17, MST22]. **FPT'12** [AC14]. **FPT'20** [SLD23]. **FPT'21** [Che22]. **Framework** [ASGY12, AHSS⁺21, BPF⁺18, CCT⁺22, CKG⁺10, DFB⁺22, JCG⁺12, JRHK15, KD21, LZ19, RGGW10, SGW20, SGC21, TDH⁺22, UAS16, VTN09, WPSI18, WGR16, ZDS⁺22, HLL08, SSF⁺13, SPS12]. **Free** [AB20, GWPK20]. **Frequency** [WSDH23]. **Frequent** [PBPLA17, ZZJB13]. **FRoC** [AZM⁺19]. **FSM** [GDHG11]. **FT** [WTS19]. **Full** [CPN⁺09, DFB⁺22]. **Full-stack** [DFB⁺22]. **Full-System** [CPN⁺09]. **Fully** [KAL14]. **Function** [LGD⁺14, LML⁺23, MWBL21, ZSP⁺21]. **Functional** [RUC11]. **Functions** [NCJ⁺15, SAD10]. **Future** [BMC⁺22, LUX⁺21].

Game [MCL⁺13]. **Gap** [MWL⁺15, TOS17]. **Gaps** [BYB18]. **Gate** [BCW21, DPHT19, HNM⁺22, SCC10]. **Gaussian** [SBC10, TL08, Tho15]. **GCN** [HLW⁺21, TWL⁺23]. **General** [AJYH18, GFBF12, ZDS⁺22]. **General-Purpose** [AJYH18, ZDS⁺22]. **Generalized** [ZWM19]. **Generated** [HLC⁺15, LP15, GRNW22]. **Generating** [BMR16, GNM⁺15]. **Generation** [BS15, LSP⁺23, LGW⁺14, MWK⁺12, PRV21, SP20, SCC10, TL08, GL08]. **Generator** [GHO17, SBC10, SSC16, Tho15]. **Generators** [RVHP16]. **Generic** [KA21, KD21, SZKR22]. **Genomes** [AVCP20]. **GIB** [SZZW23]. **Global** [GFL⁺15, JSC14]. **GPP** [TB10]. **GPU** [RNTW22, TB10]. **GPUs** [AJYH18, BNW⁺10, CFBS15]. **Gradient** [RC10]. **Grain** [IZO⁺10]. **Grained** [RBR16, VL11, XJD⁺16, ZNA⁺18, KD19, WCK21, YHK⁺21]. **Graph** [CM14, CCT⁺22, FRS⁺15, GWXW21, MVGB15, TWL⁺23, ZG16]. **Graph-Based** [MVGB15, GWXW21]. **Graphic** [BCW21]. **graphics** [BG08]. **Graphs** [SLL⁺20]. **Grid** [SLL⁺20]. **Grid-format** [SLL⁺20]. **GRNG** [Tho15]. **GROK** [GNM⁺15]. **GROK-LAB** [GNM⁺15]. **Guest** [AN09, CDM15, DH08, GSCB15, WBAM10, SJT09].

Hadamard [Tho15]. **Handling** [SKW⁺21]. **Hard** [AB14, ZCK22]. **Hardened** [LFS22]. **Hardware** [ADSH18, AV13, BCW21, BPDF11, BS15, CBC⁺12, CBR⁺14, CZ09, DD18, DFB⁺22, DLCJ20, DS15, GPP08, HNM⁺22, HHSC10, HLC⁺15, HLN⁺10, IBH⁺15, KBT09, MOG⁺13, MCC10, PD15, PSM⁺14, RNTW22, SBC10, SKW⁺21, SP20, TL08, TOS17, WL10, YBS16, ZG16, ZHL⁺21, BG08, HH13, SC11]. **Hardware-Accelerated** [MCC10].

Hardware-Based [HLN⁺10]. **Hardware/Software** [HHSC10, HH13, SC11]. **Hash** [IABV15]. **HBM** [SKH⁺22]. **HBM2** [BYB23]. **HBM2-enabled** [BYB23]. **HDL** [RDC⁺21]. **Healing** [BHI15]. **healthier** [ZH12]. **Heap** [BAG15]. **Heap-Based** [BAG15]. **heterogeneity** [LKJ⁺11]. **Heterogeneous** [ASGY12, AHL⁺14, BPCC09, CNE⁺15, CCF⁺18, GFL⁺15, KSCC10, KP14, OVI⁺12, TZWZ15, TDH⁺22, UAS16, WSDH23, YB18, ZSP⁺21, PMKM11, SPS12]. **Hiding** [MMMT09, THK12]. **Hierarchies** [YFW⁺17]. **High** [BGSL17, BS15, CH10, CKG⁺10, DHL⁺18, EAGEG09, GWXW21, HNM⁺22, HNS⁺10, HLC⁺15, IPC14, JSG⁺22, MH15, MPZ⁺20, NBS13, OROS⁺19, PMGL22, PBBP18, RC10, SPM⁺10, SGM09, SSK⁺23, SSC16, TB10, USY17, WBC16, WBR18, WWC⁺22, ZZB⁺20, ZBC⁺09, MAK⁺12, PANBI11]. **High-Accuracy** [DHL⁺18]. **High-Bandwidth** [HNM⁺22, ZZB⁺20]. **High-Efficiency** [PBBP18]. **High-Level** [CKG⁺10, HLC⁺15, IPC14, NBS13, OROS⁺19, WBC16, GWXW21]. **High-Order** [BGSL17]. **High-Performance** [CH10, EAGEG09, HNM⁺22, HNS⁺10, JSG⁺22, MH15, PMGL22, SPM⁺10, SSC16, TB10, USY17, WBR18, MPZ⁺20, WWC⁺22, PANBI11]. **High-Speed** [BS15, ZBC⁺09]. **High-Throughput** [SSK⁺23, MAK⁺12]. **Highly** [DLBM18, ES22, IGM⁺20, RDC⁺21]. **Hipernetch** [PMGL22]. **HLS** [CCT⁺22, CLL⁺22, DRHM22, GRNW22, JCGW20]. **HLS-generated** [GRNW22]. **HMAC** [MAK⁺12]. **Homogeneous** [LAL13]. **Hoplite** [KG17]. **HopliteBuf** [GWPK20]. **HopliteML** [MLPK22]. **HPC** [MPK22]. **Hybrid** [DS15, FAB22, GHWS22, RGCL16, SGW20]. **Hybrid-TPM** [GHWS22]. **HyperTransport** [SGNB08].

I/O [MHS09, RGCL16]. **ICFPT** [AN09]. **iDEA** [CBFM14]. **Identification** [DVH⁺15, GHO17]. **Idle** [NCJ⁺15]. **II** [ENPR22b, SMOP15]. **III** [SMOP15]. **Image** [BAG15, CZ09, SDM⁺18]. **Images** [TZWZ15]. **Impact** [HBA⁺15, KLD16, KW22]. **Implementation** [AV13, BAG15, BCW21, DNL19, GRG08, HF14, LGD⁺14, LML⁺23, MKP09, OBD13, RC10, SSK⁺23, SV09, SAD10, CA11, SSF⁺13]. **Implementations** [BDGH15, FLM⁺17, MDL⁺23]. **Implemented** [PVB13]. **Implementing** [BKT14, BNW⁺10, SG15]. **Imprecise** [SBC15]. **Improve** [BYB18, LZF⁺10, SDG12]. **Improved** [GHO17, JCCM09]. **Improving** [DRHM22, LZ19, YKBS10]. **In-Circuit** [KS20]. **In-Depth** [CCF⁺18]. **In-the-Cloud** [BDX⁺19]. **Incremental** [GGR⁺18, GL08]. **Independent** [PMC⁺14]. **Index** [BAG15]. **Index-Aware** [BAG15]. **Inducing** [CAG⁺22]. **Inference** [APR⁺22, BYB18, DWN⁺22, EBYB20, GZY⁺18, MCD⁺18, OKA19, RHLK18]. **Infinite** [SWT⁺22]. **Information** [GSJC13]. **Infrastructure** [HBA⁺15, MKSB22, ZZB⁺20, HH13]. **Input** [CAPA⁺09, FK08]. **Insertion** [LOM10]. **Instance** [RLM⁺17]. **Instance-Specific** [RLM⁺17]. **Instruction** [GB11, GWXW21, WBR18, YGH⁺18]. **Instruction-Set** [GB11].

Instructions [LCS14]. **Integer** [MLFS22]. **Integration** [GS10, JRHK15, LRA13, YBS16]. **Intensive** [ZG16]. **Interactions** [KD19]. **Interconnect** [FK08, NZI22, RBR16, TMLS21, SPS12]. **Interconnects** [KS20]. **Interface** [JB15, RUC11]. **Internal** [HBA⁺15]. **International** [AC14, DH08, VG14]. **Interrupt** [AB20]. **Intra** [GNM⁺15, HF14]. **Intra-cluster** [GNM⁺15]. **Intra-Masking** [HF14]. **Intrinsic** [MHK⁺08]. **Introduction** [AC14, Bak18, Bec14, BE19, BL08, CS17, Che16, CPW18, Che11, CWBD09, DC16, Deh20, ENPR22a, ENPR22b, GC13, Hüb12, Leo22, MST22, SJT09, Sha22, SLD23, VG14, AN09]. **Introspection** [GGR⁺18]. **Invariant** [PD15]. **IP** [IZO⁺10]. **IPs** [EAAAA19]. **IR** [ZG16]. **Irregular** [WSDH23]. **Isolated** [MMMT09]. **Issue** [AC14, CWBD09, DC16, ENPR22a, ENPR22b, Hüb12, VG14]. **Itemset** [ZZJB13]. **Itemsets** [PBPLA17]. **Iterative** [LZ19, BC11].

JIT [BPDF11]. **JITPR** [SSF⁺13]. **Jitter** [LSP⁺23]. **Jitter-based** [LSP⁺23]. **Join** [YOY17]. **Journal** [Che22]. **Journal-first** [Che22]. **Junction** [TYB18]. **Junction-Based** [TYB18].

KAPow [DHL⁺18]. **Kernel** [FLM⁺17, FL20, PWP⁺16]. **Kernels** [JB15]. **Key** [ADSH18, GFBF12]. **KLT** [DB15]. **Knowledge** [GNM⁺15].

Lab [MCN12, GNM⁺15]. **LambdaRank** [YXC⁺11]. **Language** [CKG⁺10, SDM⁺18]. **Large** [CSK17, KM10, KD21, MWL⁺15, SWT⁺22, YCV⁺21]. **Large-Scale** [CSK17, YCV⁺21, KD21]. **Latencies** [BAMR13]. **Latency** [THK12]. **Layer** [IBH⁺15, YGH⁺18]. **Layout** [KY18]. **LDPC** [CA11]. **Leakier** [GER19]. **Learning** [AHAM⁺19, AHSS⁺21, BPF⁺18, BATM22, CPW18, EBYB20, MHT⁺21, MCN12, RRW⁺22, RHLK18, TDH⁺22, AGM⁺22]. **Least** [FLM⁺17, FL20, PWP⁺16]. **Length** [LRA13, EA11]. **Level** [ASGY12, CKG⁺10, DD18, DS15, DL09, GSJC13, HLC⁺15, IPC14, NBS13, NZI22, OROS⁺19, PVB13, WBC16, CA11, GWXW21, KGT19]. **Leveraging** [SC11]. **libraries** [KVK⁺11]. **Library** [FL16, WL10]. **Licensing** [EAAAA19]. **Lightening** [DLBM18]. **LightNNs** [DLBM18]. **Lightweight** [IF23, RD11, TWL⁺23]. **Line** [IABV15]. **Line-Rate** [IABV15]. **Linear** [WGGR17, ZBR12]. **Linux** [MSF16, MKSB22]. **Linux-based** [MKSB22]. **Lists** [WAT15]. **Lithographic** [CZ09]. **Load** [DLBM18, THK12, RD11]. **load-time** [RD11]. **Local** [JSC14]. **Logarithm** [GPP08]. **Logarithmic** [BPDF11]. **Logarithmic-Time** [BPDF11]. **Logic** [AZM⁺19, DGP10, EBYB20, IZO⁺10, MHS09, PABI09, TMLS21, WBC16, KD19, MBJJ11, PMKM11]. **Long** [GER19, UHU09]. **Loop** [DRHM22, DSB09, DPHT19]. **Loops** [PMC⁺14, PFC15]. **Low** [DHL⁺18, DS15, DPHT19, FRS⁺15, HBA⁺15, KBM09, KCC⁺14, KGS15, VDdSN23, WWC⁺22, ZBC⁺09, ZH12]. **Low-Complexity** [FRS⁺15]. **Low-Cost** [DPHT19, ZH12]. **Low-Level** [DS15]. **Low-Overhead**

[DHL⁺18, KGS15]. **Low-Power** [KBM09, KCC⁺14, ZBC⁺09]. **Low-precision** [WWC⁺22]. **Low-Speed** [HBA⁺15]. **LSTM** [IF23, RNTW22]. **LUT** [FK08, HF14, JCCM09, LZ19, NZI22]. **LUT-Based** [LZ19]. **LUT-Level** [NZI22]. **LW** [TWL⁺23]. **LW-GCN** [TWL⁺23].

Machine [AHAM⁺19, KAL14, RRW⁺22, TDH⁺22, GDHG11]. **Magnetic** [TYB18]. **Major** [FL16]. **Malicious** [LMG⁺20]. **Management** [BBND10, GRNW22, KP14, LP15, HZW⁺13]. **Manager** [OWMZ11]. **Many** [BYB23]. **Many-core** [BYB23]. **Mapping** [BBND10, CTH16, CNE⁺15, CM14, CBR⁺14, JSC14, JCCM09, LZ19, MCL⁺13, KVK⁺11]. **Mapping-Scheduling** [CBR⁺14]. **MARTE** [GdLIG⁺14]. **Masking** [HF14]. **Massive** [RNTW22]. **Massively** [JB15]. **Matching** [XJD⁺16]. **Matchings** [BFBN⁺20]. **Matrices** [RC10]. **Matrix** [DDB⁺10, UCR⁺19, BC11]. **Matrix-Vector** [DDB⁺10, BC11]. **Maximum** [BFBN⁺20, GWXW21, RLY⁺15]. **Mean** [FLM⁺17, FL20]. **Means** [TK16]. **Measure** [BYB18]. **Measurement** [WSC09]. **Mechanism** [SLH⁺10, SMOP15]. **Mechanisms** [SLL⁺20]. **Median** [SWT⁺22]. **MEG** [ZZB⁺20]. **Memories** [AL16, BDGH15, DD15, IAG23, LLO⁺14]. **Memory** [AI22, BAMR10, BAMR13, CW09, HF14, HNM⁺22, JB15, KLD16, LYZ⁺18, LFS22, MSF16, PFC15, RGCL16, SDGL⁺22, THK12, WBR16, YFW⁺17, ZZB⁺20, ASPP22, BC11, IAG23, LJS11]. **Memory-Enabled** [HNM⁺22]. **Memristor** [dMdLC23]. **Mercury** [JLB⁺08]. **Merged** [GRG08]. **Merging** [JCCM09, KD10, LCS14, TWG⁺20]. **Meshes** [BGSL17]. **Message** [Che19]. **Method** [NJLW14]. **Methodology** [DGP⁺15, LBRS16]. **Methods** [AHAM⁺19, KSCC10, SLH⁺10, BC11]. **Metrics** [RGCL16]. **MHz** [WBR16]. **Microarchitectural** [LA17]. **Microarchitecture** [WBR16]. **Microarchitectures** [CCF⁺18]. **Microbenchmarking** [LFS22]. **MicroBlaze** [MSF16]. **Microcoded** [GRG08, PWP⁺16]. **Microkernel** [IBH⁺15]. **Microscopy** [TZWZ15]. **Middleware** [KGS15]. **Minimum** [KY18]. **Minimum-Width** [KY18]. **Mining** [PBPLA17, ZZJB13]. **Minor** [CM14]. **Miss** [AI22]. **Miss-Optimized** [AI22]. **Mitigating** [KGT19]. **Mixed** [AB14, YHK⁺21]. **mobile** [NSS⁺11]. **MOdel** [KGS⁺12, AHL⁺14, CPFM21, DLCJ20, FL20, LAL13, MOG⁺13, MVGB15, SPM⁺10, YBS16, AGY⁺11, DW13, HGLS11, PDH11]. **MOdel-Based** [KGS⁺12, DLCJ20]. **Modeling** [GdLIG⁺14, MZLS20, PVA⁺09, SC08]. **Modelling** [MPZ⁺20, YB18]. **Models** [JTLC09, KY18]. **Modern** [AHAM⁺19, CCF⁺18, LFS22]. **MODES** [KGS⁺12]. **Modifications** [SDG12]. **Modular** [AL16, IPC14, NBS13, OWMZ11, VPPK20]. **Module** [DHL⁺18, KD10, SGM09, TWG⁺20, ZNA⁺18]. **Module-Based** [KD10, ZNA⁺18]. **Modulo** [BAMR10, OROS⁺19]. **Molecular** [CH10]. **Monitoring** [BCE⁺10, GGR⁺18]. **Monte** [TB10]. **MPI** [SPM⁺10]. **MPSoC** [BHI15, PSM⁺14]. **MPSoCs** [DSK15, KP14, OVI⁺12]. **MRAM** [ZBC⁺09]. **Multi** [BYB23, CAPA⁺09, ES22, GMBC17, HGLS11, JSC14, KGT19, LLO⁺14, LYZ⁺18, MKSB22, QNF⁺23, RDC⁺21, WMG⁺10]. **Multi-Agent**

[GMBC17]. **Multi-Application** [JSC14]. **Multi-Core** [WMG⁺10, QNF⁺23]. **Multi-Die** [BYB23]. **Multi-FPGA** [ES22, HGLS11, RDC⁺21]. **Multi-Input** [CAPA⁺09]. **Multi-Pattern** [LYZ⁺18]. **Multi-Ported** [LLO⁺14]. **Multi-Tenant** [KGT19, MKSB22]. **Multi-threaded** [QNF⁺23]. **Multicontext** [VL11]. **Multicore** [MSF16, SDG12]. **Multicores** [AHL⁺14, CFBS15]. **Multidimensional** [SB15]. **MultiFactor** [KLC11]. **Multigigabit** [PP10]. **multilevel** [AGY⁺11, HGLS11]. **multilevel-PGAS** [AGY⁺11]. **Multimedia** [DSK15]. **Multiple** [MHK⁺08, SKW⁺21]. **Multiplication** [DDB⁺10, FAB22, UCR⁺19, BC11]. **Multiplier** [HCOB13]. **Multiplicators** [HU10]. **Multiported** [AL16]. **Multiprocessor** [CPN⁺09]. **Multiprocessors** [PPR⁺10]. **Multivariate** [SBC10, TL08]. **mutate** [GL08]. **MPX** [LA17].

NASCENT2 [SZKR22]. **native** [DFB⁺22]. **NCBI** [MH15]. **Near** [ASPP22, DD15, IAG23, SZKR22, SDGL⁺22, ZZB⁺20]. **Near-Associative** [DD15]. **Near-data** [ZZB⁺20]. **Near-Memory** [SDGL⁺22, ASPP22, IAG23]. **Near-Storage** [SZKR22]. **Net** [EA11, LRA13]. **Net-Length** [LRA13]. **Net-length-based** [EA11]. **Network** [BYB18, CTH16, GWPK20, GMBC17, GZY⁺18, JSC14, KAL14, MHS⁺19, PMGL22, RNTW22, TWL⁺23, ZSP⁺21]. **Network-on-Chip** [CTH16, JSC14]. **Networks** [AB14, BPF⁺18, CSK17, DWN⁺22, KD10, LDJ⁺17, LL12, MVGB15, PFL22, PVA⁺09, PBBP18, QNF⁺23, SP20, TKH⁺19, VDdSN23, ZDS⁺22, HZW⁺13, LW08]. **Networks-on-Chip** [AB14, CSK17]. **NEURAghe** [MCD⁺18]. **Neural** [BPF⁺18, BYB18, DWN⁺22, GZY⁺18, KAL14, LDJ⁺17, MHS⁺19, PFL22, PBBP18, QNF⁺23, RNTW22, TKH⁺19, VDdSN23, ZDS⁺22]. **Next** [LGW⁺14]. **Nine** [NW11]. **Nine-Context** [NW11]. **nm** [TMLS21]. **NoC** [KG17, KP14]. **NoC-Based** [KP14]. **NoCs** [GWPK20, MLPK22]. **Non** [CAG⁺22]. **Non-uniform** [CAG⁺22]. **Normalised** [FLM⁺17, FL20]. **Note** [Che22]. **Novel** [AHAM⁺19, DNL19, EWL15, IGM⁺20, RNTW22, VL11, SPS12]. **NPN** [ZWM19]. **Number** [LSP⁺23, PRV21, RVHP16, SBC10, TL08, Tho15]. **Numerical** [SLH⁺10, USY17]. **NX** [LNGP22].

O [MHS09, RGCL16]. **Octavo** [LA17]. **ODoST** [YBS16]. **OFDM** [BATM22, SAD10]. **off** [LW08]. **Offs** [SAD10]. **On-Chip** [LL12, GNM⁺15]. **On-cloud** [EAAAA19]. **Online** [DHL⁺18, GGR⁺18]. **Only** [BDX⁺19]. **onto** [SSF⁺13]. **Open** [FL16, TDH⁺22, ZML⁺22, SGNB08]. **Open-Source** [FL16, ZML⁺22, SGNB08]. **OpenCL** [MZLS20, TK16, WTS19]. **OpenCL-Based** [MZLS20]. **OpenGL** [BCW21]. **Operating** [AHL⁺14, IBH⁺15, VPPK20]. **Operation** [NBS13]. **Operations** [PSM⁺14]. **Operators** [OBD13]. **Opportunities** [CLL⁺22, DVH⁺15]. **Optical** [BNW⁺10, NW11]. **Optimal** [DSB09]. **Optimization** [BPCC09, CXG⁺12, DSK15, DDH⁺11, KSCC10, LZ19, LP15, LT09, WYZ16, YB18, MBJJ11]. **Optimizations** [HLC⁺15, IAG23]. **Optimized** [AI22, GS10, LDJ⁺17,

RDC⁺21, SBC10, SZZW23, VDdSN23, YFW⁺17, ZCK22]. **Optimizing** [BAMR13, BC11, Kap16, LFN⁺18, MZLS20, UCR⁺19, WGGR16, WGGR17]. **Option** [JTLC09]. **Options** [FT17]. **Order** [BGSL17, WBR16, WBR18]. **Oriented** [TL11, VL11, WHQ⁺08]. **Oscillator** [YKBS10, LMG⁺20, ZH12]. **Oscillators** [PRV21]. **Out-of-Order** [WBR16, WBR18]. **Over-Clocking** [DB15]. **Overclocking** [SBC15]. **Overhead** [DHL⁺18, KGS15]. **Overlay** [BYB23, IF23]. **Overlays** [JCGW20, LA17]. **own** [RD11].

Packing [AKA09]. **Papers** [LAA⁺17]. **Parallel** [AV13, BAG15, ES22, IGM⁺20, JB15, MWBL21, SB15, SDM⁺18, SSC16, TZWZ15, YOY17]. **Parallelism** [GWXW21, INF⁺14, KLD16, PVB13, RNTW22, CA11]. **Parallelization** [DRHM22, ZVS20]. **Parallelized** [LZ19]. **Parallelizing** [WAT15]. **parameters** [DW13]. **Parametric** [SC08]. **Parser** [LBRS16]. **Parser-Based** [LBRS16]. **Part** [ENPR22b]. **Partial** [EAGEG09, GFBF12, GGR⁺18, RDB⁺18, TWG⁺20, PDH11]. **Partial-Reconfiguration** [GGR⁺18]. **Partially** [HHSC10, KMK⁺10, HH13]. **Particle** [BG08, CNE⁺15]. **Partition** [BS15]. **Partitioning** [APR⁺22, LYZ⁺18, TL11, TWG⁺20]. **Pattern** [LYZ⁺18, YHK⁺21]. **Pay** [EAAAAA19]. **Pay-per-use** [EAAAAA19]. **Pentium(R)** [LYS⁺08]. **Per-Module** [DHL⁺18]. **Perfecto** [HLL08]. **Performance** [APR⁺22, CH10, CKG⁺10, EAGEG09, HNM⁺22, HNG09, HNS⁺10, JSG⁺22, LP15, MH15, MZLS20, PDH11, PMGL22, SPM⁺10, SDG12, SSC16, TL11, Tak17, TB10, TOS17, USY17, UNBR14, WPSI18, WBR18, WGGR17, YCV⁺21, BC11, GP13, HGLS11, MPZ⁺20, PANBI11, WWC⁺22]. **Performance-Oriented** [TL11]. **Perl** [LT09]. **Persistent** [MHT⁺21]. **Perturb** [GL08]. **PEs** [GRG08]. **PGAS** [AGY⁺11]. **Phylogeny** [ASPP22]. **Physical** [INF⁺14, MVGB15, SMOP15]. **PIMap** [LZ19]. **Pinch** [DGP10]. **PipeArch** [KA21]. **Pipelined** [KAL14, SV09, YOY17]. **pixel** [Oli12]. **Placement** [AHSS⁺21, FRS⁺15, GSJC13, HHSC10, JSG⁺22, MVGB15, MSSM10, NZI22, Ste10, ZCK22, GL08]. **Platform** [BDX⁺19, KSG11, KD19, NNY12, ZSP⁺21]. **Platform-aware** [KSG11]. **Platforms** [CCF⁺18, CBR⁺14, GFL⁺15, GKM⁺12, RMSK16, SAD10, YCV⁺21]. **Point** [FL16, HU10, KD10, OBD13, RC10, USY17, WL10, WS16, dDELVP13, WWC⁺22]. **Point-to-Point** [KD10]. **Polar** [DLCJ20]. **Policy** [SDG12]. **Port** [PVA⁺09]. **Portability** [KGS15]. **Portable** [WS16, ZBR12]. **Ported** [LLO⁺14]. **Positive** [AVCP20]. **POWER** [KGS⁺12, CXG⁺12, DHL⁺18, KBM09, KCC⁺14, KP14, LAL13, MMMT09, MDL⁺23, SLH⁺10, UNBR14, WGGR17, ZBC⁺09, EA11, LW08, KGS⁺12]. **power-aware** [EA11]. **Power-Efficient** [SLH⁺10]. **POWER-EmulatoR-** [KGS⁺12]. **POWER-MODES** [KGS⁺12]. **Practical** [CPFM21, OROS⁺19]. **Precision** [FL16, LGD⁺14, WL10, YHK⁺21, Oli12, WWC⁺22]. **Predict** [AHSS⁺21]. **Predicting** [MOG⁺13]. **Prediction** [HNG09, KZB23, SDGL⁺22, AHAM⁺19, HGLS11]. **Preemption** [RDB⁺18].

Preserving [PVA⁺09, RHLK18]. **Pricing** [FT17, JTLC09, KLC11].
Primitives [HLN⁺10]. **Priority** [BAG15, KVK⁺11]. **Privacy** [RHLK18].
Privacy-Preserving [RHLK18]. **Problem** [GB11, GPP08]. **Problems**
 [KM10]. **Process** [DB15, RDB⁺18, SB08, TMLS21, LKJ⁺11, SC11].
Processing [ASPP22, BCW21, BDX⁺19, BHB14, CCT⁺22, IABV15, Kap16,
 KA21, LP15, MVGB15, SLL⁺20, SKH⁺22, SDM⁺18, SSC16, WAT15,
 YEC⁺09, ZZB⁺20, ZBB⁺16]. **Processor** [CBFM14, KCC⁺14, KD19, LA17,
 MWK⁺12, PWP⁺16, Tak17, WBR16, YEC⁺09, Tak12]. **Processor-logic**
 [KD19]. **Processors**
 [FLM⁺17, GFBF12, VTN09, WPSI18, WBR18, IYY⁺11, LJS11, MLFS22].
Product [VDdSN23]. **Production** [UHU09]. **Productivity** [KGS15].
Profiling [EWL15]. **Profiling-Based** [EWL15]. **Program** [PD15].
Program-Invariant [PD15]. **Programmability** [GKM⁺12].
Programmable
 [AC14, BCW21, CAPA⁺09, DPHT19, GS10, HNM⁺22, OWMZ11, SCC10].
Programmers [LFS22]. **Programming**
 [LUX⁺21, MWK⁺12, SPM⁺10, WGG17, AGY⁺11]. **Prospects** [LUX⁺21].
Protected [BDGH15, SG15]. **Protection** [EAAAA19]. **Protein** [JLB⁺08].
Protocol [ADSH18, SSK⁺23]. **ProtoFlex** [CPN⁺09]. **Provably** [GWPK20].
PUF [GHO17, SKB⁺22]. **PUFs** [MKP09]. **Pulsar** [WTS19]. **Pulses**
 [PEM⁺09]. **Purpose** [AJYH18, GFBF12, GPP08, LGD⁺14, ZDS⁺22].
Purposes [BHI15].

Quantization [YHK⁺21]. **Quantized** [BPF⁺18]. **Quasi** [TB10].
Quasi-Monte [TB10]. **Query** [ZBB⁺16]. **Queue** [BAG15]. **Quick**
 [MLFS22]. **Quick-Div** [MLFS22]. **Quipu** [MOG⁺13].

R [BPF⁺18, PP10]. **R3TOS** [IBH⁺15]. **Radiation** [KW22]. **Radiations**
 [SGM09]. **Radio** [PEM⁺09]. **Rail** [HF14]. **RAiSD** [AVCP20]. **RAiSD-X**
 [AVCP20]. **RAMs** [TYB18]. **Random**
 [LSP⁺23, LOM10, PRV21, RVHP16, SBC10, TL08, Tho15]. **Randomized**
 [DL09]. **RankBoost** [XCG⁺09]. **Ranking** [KY18]. **Rapid**
 [HNG09, RGGW10, WPSI18, WCK21]. **RapidLayout** [ZCK22]. **RAT**
 [HNG09]. **Rate** [IABV15]. **RAW** [GC13, RVHP16]. **RC** [HNG09]. **Real**
 [ABCC09, BATM22, BHB14, GNM⁺15, HHSC10, INF⁺14, IBH⁺15, RDB⁺18,
 RMSK16, RHLK18, SLL⁺20]. **Real-Time** [ABCC09, BATM22, BHB14,
 HHSC10, INF⁺14, IBH⁺15, RDB⁺18, RMSK16, RHLK18]. **Real-world**
 [SLL⁺20]. **Realizable** [RGCL16]. **Realizable-Utilization** [RGCL16].
Receiver [BATM22]. **Recipes** [DGP10]. **Recoding** [ZCL15]. **Recognition**
 [DDH⁺11]. **reconfigurability** [SC11]. **Reconfigurable**
 [ASGY12, ADSh18, AV13, ATJZ16, BBND10, Bec14, BHI15, BDX⁺19,
 BHB14, CBC⁺12, CNZ⁺18, CTH16, CNE⁺15, CH10, CBR⁺14, CKG⁺10,
 DC16, DGP⁺15, DSB09, DDB⁺10, EAGEG09, FT17, FKS⁺12, GFL⁺15,
 GKM⁺12, GC13, GdLiG⁺14, HCOB13, HHSC10, HNS⁺10, HLN⁺10, IZO⁺10,

IGM⁺²⁰, IBH⁺¹⁵, JCG⁺¹², JTLC09, KMK⁺¹⁰, KCC⁺¹⁴, LP22, LYS⁺⁰⁸, MH15, MKP09, MWK⁺¹², MSSM10, NNY12, NBS13, NJLW14, Oli12, PP10, PD15, PFC15, QNF⁺²³, RGGW10, RGCL16, RMSK16, RUC11, SGW20, SGC21, SPM⁺¹⁰, SJT09, SAD10, SDGL⁺²², TL11, TWG⁺²⁰, THK12, TL08, UAS16, UCR⁺¹⁹, UHU09, VL11, VTN09, VG14, WL10, WCK21, WMG⁺¹⁰, YCV⁺²¹, ZBB⁺¹⁶, dDELVP13, AGY⁺¹¹, BG08, GDHG11, HLL08, HH13, IYY⁺¹¹, KSG11, ZH12]. **Reconfiguration** [BDX⁺¹⁹, DS15, EAGEG09, GFBF12, GGR⁺¹⁸, HNS⁺¹⁰, JSC14, KD10, KS20, LCS14, LZF⁺¹⁰, NW11, NCJ⁺¹⁵, PPR⁺¹⁰, RLY⁺¹⁵, RDB⁺¹⁸, VMV15, ZBC⁺⁰⁹, NSS⁺¹¹, PDH11]. **ReconROS** [LP22]. **Reconstruction** [ASPP22, TZWZ15]. **ReCoSoC** [Hüb12]. **ReCoSoC'12** [VG14]. **Recovery** [ZNA⁺¹⁸]. **Rectangular** [SWT⁺²²]. **Recurrent** [QNF⁺²³]. **Recursive** [PWP⁺¹⁶]. **ReDCrypt** [RHLK18]. **Reduce** [PSM⁺¹⁴]. **Reducing** [BAMR10, TOS17]. **Reduction** [CW09, SLH⁺¹⁰]. **References** [BAMR13]. **Regular** [LT09, YHK⁺²¹]. **Regulator** [AV13]. **Regulators** [MLPK22]. **Related** [OBD13]. **relating** [DW13]. **Reliability** [DSK15, GHO17]. **Reliable** [IBH⁺¹⁵, JCG⁺¹²]. **Relocatable** [HHSC10]. **Remarn** [QNF⁺²³]. **Remote** [BCE⁺¹⁰, MDL⁺²³, MCN12, SSK⁺²³, VMV15]. **Repair** [GGR⁺¹⁸]. **Replacing** [HBA⁺¹⁵]. **Request** [AI22]. **ReShape** [NBS13]. **Reshaping** [BHI15]. **Resilience** [SGW20]. **Resilient** [INF⁺¹⁴, SGC21]. **Resistant** [HF14]. **Resolution** [ABCC09, SGM09]. **Resource** [CCT⁺²², MHS⁺¹⁹, SSK⁺²³, HZW⁺¹³]. **Resource-constrained** [MHS⁺¹⁹]. **Resource-Efficient** [CCT⁺²², SSK⁺²³]. **Resources** [MOG⁺¹³]. **Restricted** [KAL14]. **resynthesis** [MBJJ11]. **Retargetable** [UAS16]. **Rethinking** [MLFS22, RRW⁺²²]. **Reusable** [JRHK15]. **Reuse** [LYZ⁺¹⁸, dMdlc23]. **RIFFA** [JRHK15]. **Ring** [PRV21, YKBS10, ZH12]. **RIPL** [SDM⁺¹⁸]. **RISCV** [ZZB⁺²⁰]. **RISCV-based** [ZZB⁺²⁰]. **RIVER** [BHB14]. **RNA** [MCC10]. **Road** [UHU09]. **Robotics** [LP22, NSS⁺¹¹]. **Robust** [ABCC09]. **Robustness** [LZF⁺¹⁰, YKBS10]. **RoCEv2** [SSK⁺²³]. **Rotation** [ZCL15]. **Routability** [AHAM⁺¹⁹, AHSS⁺²¹, JCCM09, LRA13, PB18, DW13, EA11]. **Routability-Driven** [LRA13, EA11]. **Routability-prediction** [AHAM⁺¹⁹]. **Routed** [KG17]. **Router** [LL12, ZML⁺²²]. **Routers** [MLPK22, GP13]. **Routing** [CW09, FRS⁺¹⁵, IZO⁺¹⁰, KA17, SZZW23, SB08, WYZ16, ZVS20, GL08, LKJ⁺¹¹, RD11]. **RTL** [DVH⁺¹⁵]. **RTR** [ZBC⁺⁰⁹]. **Run** [DNL19]. **Run-Time** [DNL19]. **Runtime** [EAGEG09, FRS⁺¹⁵, LCS14, NCJ⁺¹⁵, PPR⁺¹⁰, ZBC⁺⁰⁹]. **RWRRoute** [ZML⁺²²].

Safe [AB20, BHI15]. **Sampling** [PRV21]. **Samsung** [KCC⁺¹⁴]. **SARFUM** [BCE⁺¹⁰]. **SAT** [KM10]. **SATTA** [DGP⁺¹⁵]. **SCA** [HF14]. **SCA-Resistant** [HF14]. **Scala** [SP20]. **Scalability** [RDC⁺²¹, Tak17]. **Scalable** [BYB23, ASPP22, CPN⁺⁰⁹, LML⁺²³, MBJJ11, OWMZ11, SLH⁺¹⁰, ZSP⁺²¹, ZBR12]. **Scalar** [TOS17]. **Scale** [CSK17, YCV⁺²¹, KD21].

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