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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].


5 [AKA09]. 5.0 [LKJ+11].
7.0 [LGW+14]. 7th [VG14].

8 [MPZ+20]. 80 [YSC+23].

A-Port [PVA+09]. Abstraction [IBH+15]. Abstractions [IPC14].
Academic [MWL+15]. Accelerated
[MHS+19, MCC10, SKJ22, BE19, GKLLA23]. Accelerating
[JLB+08, PFL22, SDGL+22, TZWSZ15, VL11, ZG16, ZVS20]. Acceleration
[BMC+22, CAPA+09, CSS+23, CBR+14, CZ09, DFB+22, HNM+22, KLC11,
KZB23, LUX+21, MCD+18, PFC15, PBPLA17, RRLW22, TK16, TYL+23,
WT19, 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
[BSW+23, GZY+18, JRHK15, SLL+20, SKJ22, UNBR14]. Access
[LYZ+18]. Accesses [PFC15]. Accumulator
[WS16]. Accuracy
[DHL+18, KY18, LP15, UNBR14]. Accurate
[AVCP20, CSK17, 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, ZMH+23, Tak12, DGP+15]. Adder
[PPB+18]. 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]. Algean
[TDH+22]. Ain’t
[RNTW22]. Algorithm
[CBR+14, EWL15, RLY+15, Ste10, SMN+23, 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
[BPFD11, CCF+18, CFBS15, CKG+10, JCGW20, MMMT09, PRV21,
PFR+10, RGW10, RGCL16, RMSK16, SB08, TMLS21, GP13, Tak12]. Analytical
[KSCC10, LAL13, YCV+21, DW13, HGLS11]. Analytics
[SZKR22]. Analyzing
[GSJC13]. Application
[ABCC09, BBDN10, CM14,
DDB+10, GdLig+14, JSC14, KGS15, LJS11, MLPK22, MWK+12, PMK11,
RUC11, SSK+23, SLL+20, VTX09, WYZ16, WMG+10, YFW+17, SSF+13]. Application-Optimized
[YFW+17]. Application-Specific
[PMK11, LJS11, SLL+20]. Applications
[AZM+19, AI22, CFBS15,
CKG+10, DFB+22, GKM+12, IAG23, KBM09, KCC+14, LZF+10, LBR16,
NJLW14, PSM+14, PVB13, RRW+22, SGC21, WHQ+08, RSG11]. Applying
[NSS+11]. Approach
[CM14, GKGPS23, KM10, LYZ+18, MS23, MWK+12,
NBS13, SBC15, WSDH23]. Approaches
[CHG22, MVGB15, SAD10]. Approximate
[FAB22]. ARC
[BAG15, DB15, GSCB15, SB15, WBAM10].
**ARC’08** [CWBD09]. **Architecture** [BYB23, ADSH18, ATJJ16, BCE+10, CXG+12, DS15, EWL15, FT17, GMBC17, IZO+10, IGM+20, IF23, IBH+15, KLD16, KSSC10, KAL14, KD21, LNP22, LGw+14, MPZ+20, OWMZ11, PFC15, PB18, RRLw22, RNTW22, SBC10, SB15, SZZW23, SKB+22, Tak17, VL11, XJD+16, ZCL16, DW13, LKJ+11, Oli12]. **Architectures** [BBND10, BDX+19, CBC+12, DSB09, EBYB20, GC13, IAG23, JTLC09, KY18, LAL13, LFN+18, SFT+23, WCK21, YB18, HLL08]. **Area** [DD15, KY18, Tho15, WCK21]. **Area-Ecient** [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]. **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, SFT+23, TYL+23, 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, GKLlA23, DGP+15]. **AWS** [ES22].

**Bandwidth** [AI22, BBND10, HNM+22, SLH+10, USY17, BC11, SFT+23, ZBB+20]. **Bandwidth-Bound** [AI22]. **Bandwidth-Reduction** [SLH+10]. **Based** [AL16, BAG15, CBFM14, Cz09, DGP+15, DCL+22, DL09, EWL15, GWPK20, GDHG11, GH017, HLN+10, Jcc+12, JTLC09, Kap16, KBT09, KD10, KG5+12, LBRs16, Lz19, Lt09, LL12, MVGB15, MWBL21, MZLS20, NvY12, OTV+12, PRV12, PPR+10, RC10, SLH+10, SB15, SP20, TYB18, USY17, WGRG16, YOY17, ZCL16, ZBC+09, ZNA+18, ZBB+16, AHAM+19, AB23, CAG+22, DBCJ20, EA11, GKGs23, GWXW21, Gzy+18, HLL08, KZB22, LZF+10, LSP+23, LFN+18, MLFS22, MKSB22, MBJ11, SKW+21, SLL+20, Ste10, TWL+23, TYL+23, WTS19, WWC+22, YXC+11, YHK+21, ZBR12, ZQ19, ZBB+20, KP14, UNB14, ZZJB13]. **Behavior** [PVA+09]. **Benchmarks** [MKP23, MWL+15, PB18]. **Benefits** [PSM+14]. **Bent** [SZZW23]. **between** [Lv08, MWL+15, TOS17]. **Big** [RMSK15]. **Binary** [ADSH18, FAB22, PFC15]. **Binary-Unary** [FAB22]. **Biomedical** [KCC+14, YBS16]. **BISWSRBS** [YHK+21]. **Bit** [UCR+19]. **Bit-Serial** [UCR+19]. **Bits** [DVK15, GKGs23]. **Bitstream** [BPFD11, SMOP15]. **Bitwidth** [VddSN23]. **BlastFunction** [DFB+22]. **BLASTP** [JLB+08, MH15]. **Block** [BDGH15, CBFM14, DE22, EBYB20, TYB18, ZCK22]. **Block-Based**
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].
Capabilities [GBF12].
Can not [BYB18].
Case [SFT+23, NSS+11].
CDO [KLC11].
Cell [IZO+20, KA17, PABI09].
Cellular [KD21, MHS09].
Centers [ENPR22a, ENPR22b, KW22].
Centric
[BFBN+20, VG14].
CGRA [VL11, WCK21].
CGRA-EAM-Rapid [WCK21].
CGRAs [CM14, NZS+23, WSDH23].
Chain [PABI09].
Challenge [MKP23].
Challenges [CLL+22].
Channel
[GS23, SG15, GER19].
Characterization [WLG+10].
Check [DL09].
Checking [CPFM21, PD15].
Checkpointing [AB20, AB23].
Chief [CHE19].
Chip [AB14, BCW21, CTH16, CSM17, DE22, GMRC17, GdLJG+14, GS10, HBA+15, JSC14, LL12, VG14, GNM+15].
Choose [RD11].
Choose-your-own-adventure [RD11].
Cibola [QRDC+15].
Cipher
[YSC+23].
Circuit
[AHSS+21, DVH+15, EAAA+19, KS20, LL12, MKP23, US23, WSC09, GL08].
Circuit-Switched [LL12, MKP23].
Circuit-Switching [US23].
Circuitry
[GG+18].
Circuits [BMR16, CBC+12, CAG+22, DL09, GRNW22, JG+22, LSP+23, SC08, VS09, Ste10, WBR16, WBR18].
Classification
[MS23, ZWM19].
Clock [GRNW22, WSDH23, LW08].
Clocking [DB15].
Cloud
[BDX+19, BE19, BCM+22, DFB+22, DE22, ES22, GTS23, KZB23, KGT19, LSP+23, MKSB22, ZDS+22, EAAA+19].
Cloud-native [DFB+22].
Clouds
[APR+22, DE22, RHLK18].
Cluster [US23, GNM+15].
Clustering
[LRA13, ZMC+23, EA11].
Clusters [FK08, OKA19, TDH+22].
CNN
[BSW+23, LFN+18, MCD+18, MZLS20, WWC+22, YHK+21, YGH+18].

CNN-based
[LFN+18].
CNNs [dMDLC23].
Co
[AB23, EWL15, SMN+23, ZHL+21].
Co-Design [ZHH+21].
Co-Exploration
[EWL15].
Co-optimization
[SMN+23].
Co-Simulation
[AB23].
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
[BYB18].
Coherency
[SGD12].
Coherent
[PRV21, KD19].
Collaborative
[MZLS20].
Column
[VL11].
Column-Oriented
[VL11].
Combination
[DRHM22].
Combinational
[SFNP23].
Combinatorial
[WSC09].
Combined
[PP10].
Commercial
[FL16, MWL+15, ZML+22, PANBI11]. Communication
[HNS+10, KLD16, SKJ22, TL11, US23, VG14, HZW+13].
Communication-Aware [HNS+10]. Communication-centric [VG14].
Communications [BNW+10]. Comparison [BNW+10, LA17].
Compatible [LT09]. Compensation [DNL19]. Compilation
[BPFD11, ES22, MKW+12, SFNP23, UAS16]. Compile [PPR+10].
Compile-Time [PPR+10]. Compiler [HLC+15, ZG16]. Complex [YB18].
Complexity [FRS+15]. Compliant [BCW21]. Component [SCC10].
Components [ATJZ16, DC16, DCD+21]. Composing [BSW+23, 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 [HNMM+22, RGCL16, SFT+23]. 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, MWB15, RGGW10,
RDB+18, SKJ22, USY17, UAS16, UCR+19, WGG16, dDELVP13, KSG11].
Conference [AC14, LAA+17]. Configurable [PABI09, PRV21, WS16].
Configuration [CAG+22, DFK+15, 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, SMN+23]. Constraint [MKW+12]. Constraints
[BAMR10, INF+14, LP15]. Construction [YFW+17]. Context
[AB20, BMR16, KA21, WN11, SKW+21]. Context-Switch [BMR16, KA21].
Continuous [GGR+18]. Control [WN11, ZG16]. Control-Intensive
[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 [MMT09]. Counters
[LT09]. Counting [FK08, PBPLA17]. Covert [GER19, GTS23]. Covert-
[GER19, GTS23]. CPU [CCF+18, MCD+18]. CPUs [TOS17]. Creating
[DE22]. Creation [SFT+23]. Creative [MCL+13]. Cross
[BDX+19, YGH+18, GTS23]. Cross-layer [YGH+18]. Cross-Platform
[TZWZ15]. Cryptographic [BDGH15, SKW+21, SGM09]. Cryptography
[GFEP12, KBM09, SG15]. Crystals [ZHL+21]. Crystals-Dilithium
[ZHL+21]. Curve [ADSH18, GPP08, KBM09, SG15]. Curve25519 [SG15].


now [JSG+22, YCV+21, ZG16]. Datapath [SBC15, WHQ+08]. Datapath-Oriented [WHQ+08].


Defenses [ZQ19]. defined [LUX+21]. De
ection [KG17]. De
ection-Routed [KG17].


Design [BKT14, BMR16, CHG22, DLCJ20, DL09, EWL15, GWPK20, GHO17, IPC14, JSC14, JB15, KMK+10, LP22, MKP09, MLFS22, MHS+19, MZLS20, NBS13, PRV21, PCFM23, SJC09, SBC15, SKB+22, Tak12, UNBR14, VDI20, ZHL+20].


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, NZS+23, PBBP18]. Efficient [BMR16, BGSL17, CCT+22, DD15, DBLM18, EBYB20, FT17, FK08, HU10, KSCC10, KD19, LYZ+18, MCD+18, PBPLA17, RLY+15, RLM+17, SLH+10, SSK+23, SFNP23, Tho15, VdSN23, CA11, SMN+23].
Enhancements [ZVS20]. Enhancing [GKM+12, GHWS22, MCN12, RDC+21, TYB18]. Enough [RNTW22].
Ensembles [OKA19]. Entropy [FK08]. Environment [MCL+13].
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
[BPB+18, EWL15, MZLS20, RRLW22, UNBR14, HLL08, LJ+11].
Exploring [JTC09, MLW+15, SPS12]. Exponentiation [dDELVP13].
Expressions [LT09]. Extended [DGP10]. Extending [GdL+14].
Extensible [WS16]. Extension [GB11, GFBF12, MWK+12]. Extraction
[GNM+15].

Fabric [BHB14, SDGL+22, WHQ+08, SPS12]. Fabrics [KA17]. Factor
[LA13]. Factored [KA14]. Fast
[AVCP20, BAG15, BPB+18, BDX+19, CSK17, HU10, HLW+21, JCGW20, JMI4, 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, DHT19, HNM+22, SCC10].
Field-Programmable [AC14, DHT19, HNM+22, SCC10]. FIFOs
[GWPK20]. Filter [BPCC09]. Filtering [LP15]. Filters
[CNE+15, SWT+22]. Financial [TB10]. Fine
[KD19, NZS+23, RBR16, YHK+21, ZNA+18]. Fine-Grained
[NZS+23, RBR16, ZNA+18, KD19, YHK+21]. FinFET [TMLS21].

Finite-Difference [NJLW14]. FINN [BPB+18]. FINN-R [BPB+18]. FIR
[LP15]. First [LAA+17, Che22]. Fixed
[RGCL16, SFNP23, WL10, WMG+10]. Fixed- [WL10]. FlexCNN
[BSW+23]. flexibility [LW08]. Flexible
[DS15, LBRS16, L19, MCD+18, US23]. 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 [KSC10]. Floorplanning [MSSM10]. Flow
[BNW+10, BM16, BHB14, GKM+12, HNM+22, KA17, RLY+15, SCC10, ZG16, ZMH+23].
Fluid [SFT+23]. 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, BSW+23, BPFD11, BFBN+20, BDGH15, BE19, BMC+22, BYB18, CHG22, CA11, Che11, CW09, CCF+18, CSS+23, CSK17, CZ09, CLL+22, CAG+22, DFB+22, DW13, DVK15, DHL+18, DNL19, DE22, DL09, ES22, EBYB20, EAAA19, FRS+15, FLM+17, GP13, GWPK20, GFBF12, GMBC17, GSJC13, GER19, GRG08, GHWS22, GHO17, GY+18, HF14, HGLS11, HCOB13, HLW+21, IF23, IPC14, JCG+12, JRHK15, JCCM09, JM14, KLD16, KLC11, KZB23, KM10, Kap16, KMB09, KV+11, KMK+10,
KY18, KAL14, KGS15, KBT09, KD10, KS20, LA17, LUX+21, LCS14, LW08, LZF+10, LGD+14, Leoc22, LAL13, LML+23, LDJ+17, LPF+18, LT09, LKJ+11, MLPK22, MLFS22, MCD+18, MKP23, MAK+12, MCN12, MZLS20, MPZ+20, MHS09, NNY12, NZI22, PWP+16, PDH11, PMGL22. **FPGA** [PABI09, PMKM11, PB18, PBPLA17, PCFM23, RDC+21, RC10, RRLW22, SLH+10, SB15, SC08, SV09, Sha22, SLL+20, SZZW23, SMN+23, TL11, TWS+23, Tho15, TB10, USY17, US23, UNBR14, VFPK20, VDSDN23, 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, ZMH+23, 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, WGR16, YOY17, ZNA+18, ZBB+16, GZY+18, KZ23, MLFS22, TWS+23, WTS19, WWC+22, YXC+11, ZBB+16, GZY+18]. **FPGA-optimized** [ZCK22]. **FPGA-SoCs** [GHWS22]. **FPG Defender** [LMG+20]. **FPGAs** [AB14, AKA09, AHAM+19, AJYH18, AI22, AB23, BTK14, BAMR10, BNW+10, BPCO9, BHB14, CAPA+09, CBFM14, CPW18, CCGT+22, CGX+12, CPFM21, CPN+09, CFBS15, DH08, DLCJ20, DDI+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, MKH+08, MKSB22, MMNT09, MKP22, MVBG15, MDL+23, MSMS10, MHS+19, OKA19, PFL22, PANBI11, PVA+09, PVB13, RVHP16, RLM+17, RDB+18, RHLK18, SGMO9, SWT+22, SKH+22, SSF+13, SPS12, SB08, Ste10, SDM+18, SCC16, SKB+22, SMO15, TMLSD21, TWG+20, TYB18, TYS+23, VMV15, WSC09, WAT15, ZZB+20, ZML+22]. **FPL** [BGSL17, YFW+17, CDM15, CS17, LAA+17, MST22]. **FPT** [KZ23]. **FPT’12** [AC14]. **FPT’20** [SLD23]. **FPT’21** [Che22]. **Framework** [ASGY12, AHSS+21, BSW+23, BPF+18, CCGT+22, CKG+10, DFB+22, JCG+12, JRHK15, KD21, LZ19, RGGW10, SGW20, SGC21, TDS+22, TWS+23, UAS16, VTN09, WPSI18, WGR16, ZDD+22, HLL08, SSF+13, SPS12]. **Free** [AB20, GWPK20]. **Frequency** [WSDH23]. **Frequent** [PBPLA17, ZZJB13]. **FRoC** [AZM+19]. **Fruit** [YSC+23]. **Fruit-80** [YSC+23]. **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, SFNP23, ZSP+21]. **Functional** [RUC11]. **Functions** [NCJ+15, SAD10]. **Future** [BMC+22, LUX+21].

**Game** [MCL+13]. **Gap** [MLW+15, TOS17]. **Gaps** [BYB18]. **Gate** [BC21, DPH19, 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** [BMIR16, GNM+15]. **Generation** [BS15, LSP+23, LGW+14, MWK+12, PRV21, SP20, SCC10, TL08, GLO8].
Generator [GHO17, SBC10, SSC16, Tho15]. Generators [RVHP16].
Generic [KA21, KD21, SZKR22]. Genomes [AVCP20]. GIB [SZZW23].
Grained [NZS$^+$23, RBR16, VL11, XJD$^+$16, ZNA$^+$18, KD19, WCK21, YHK$^+$21].
Graph [CM14, CCT$^+$22, FRS$^+$15, GWXW21, MVGB15, TWL$^+$23, ZGL16].
Graph-Based [MVGB15, GWXW21]. Graphic [BCW21]. graphics [BG08].
Guest [AN09, CDM15, DH08, GSCB15, WBAM10, SJT09].
Hadamard [Tho15]. Handling [SKW$^+$21]. Hard [AB14, ZCK22].
Hardened [LSF22]. Hardware [ADSH18, AV13, BCW21, BPFD11, BS15, CBC$^+$12, CBR$^+$14, CZ09, DD18, DBF$^+$22, DLCJ20, DS15, GKLLA23, GPP08, HNM$^+$22, HHS10, HLC$^+$15, HLN$^+$10, IBH$^+$15, KBT09, MOG$^+$13, MCC10, PD15, PSM$^+$14, RNTW22, SBC10, SKW$^+$21, SP20, TL08, TOS17, WL10, YSC$^+$23, YBS16, ZG16, ZHL$^+$21, BG08, HH13, SC11, SMN$^+$23]. Hardware-Accelerated [MCC10, GKLLA23]. Hardware-Based [HLN$^+$10]. Hardware/Software [HHSC10, HH13, SC11]. Hash [IABV15].
Heterogeneous [ASGY12, AHW$^+$14, BPCC09, CNE$^+$15, CCF$^+$18, GFL$^+$15, KSCC10, KP14, OVI$^+$12, TZWX15, TDH$^+$22, UAS16, WSDH23, YB18, ZSP$^+$21, PMKM11, SPS12]. Hiding [MMMT09, THK12]. Hierarchies [YFW$^+$17]. High [BGSL17, BS15, CH10, CSS$^+$23, CKG$^+$10, DHL$^+$18, EAGEG09, GWXW21, HNM$^+$22, HNS$^+$10, HLC$^+$15, IPC14, JSG$^+$22, MH15, MPZ$^+$20, NBS13, OROS$^+$19, PMGL22, PPBB18, RC10, SP$^+$10, SGM09, SSK$^+$23, SFNP23, SFT$^+$23, SSC16, TB10, USY17, WBC16, WBR18, WWC$^+$22, ZBB$^+$20, ZBC$^+$09, MAK$^+$12, PANBI11]. High-Accuracy [DHL$^+$18]. High-Bandwidth [HNM$^+$22, SFT$^+$23, ZBB$^+$20].
High-Efficiency [PBBP18]. High-Level [CKG$^+$10, HLC$^+$15, IPC14, NBS13, OROS$^+$19, WBC16, CSS$^+$23, GWXW21, SFNP23]. High-Order [BGSL17]. High-Performance [CH10, EAGEG09, HNM$^+$22, HNS$^+$10, JSG$^+$22, MH15, PMGL22, SPM$^+$10, SSC16, TB10, USY17, WBR18, MPZ$^+$20, WWC$^+$22, PANBI11].
High-Speed [BS15, ZBC$^+$09]. High-Throughput [SSK$^+$23, MAK$^+$12].
[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]. **Improved** [GHO17, JCCM09]. **Improving** [DRHM22, LZ19, NZS+23, 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, SFNP23]. **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]. **Inter** [MKP23]. **Inter-FPGA** [MKP23]. **Interactions** [KD19]. **Interconnect** [FK08, NZI22, RBR16, TMLS21, SPS12]. **Interconnects** [KS20]. **Interface** [GKS23, 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, KZ23, Leo22, MST22, SJT09, Sha22, SL23, VG14, AN09]. **Introspection** [GGR+18]. **Invariant** [PD15]. **IP** [IZO+10]. **IPs** [EAAAA19]. **IR** [ZG16]. **Irregular** [WSDH23]. **Isolated** [MMT09]. **Issue** [AC14, CWBD09, DC16, ENPR22a, ENPR22b, Hüb12, KZ23, VG14]. **Itemset** [ZZJB13]. **Items** [PBPLA17]. **Iterative** [LZ19, BC11].

**JIT** [BPFD11]. **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]. **Languages** [SFT+23]. **Large**

Learning [AHAM+19, AHSS+21, BPF+18, BATM22, CPW18, EBYB20, GKLLA23, MHT+21, MCN12, RRW+22, RHLK18, TDH+22, AGM+22].


LDJ+17, LL12, MKP23, MVGB15, PFL22, PVA+09, PBBP18, QNF+23, SP20, TKH+19, VdSN23, 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, SFNP23, TKH+19, VdSN23, 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** [EAAA19]. **Online** [DHL+18, GGR+18]. **Only** [BDX+19]. **onto** [SFNP23, SSF+13]. **Open** [FL16, TDH+22, ZML+22, SGNB08]. **Open-Source** [FL16, ZML+22, SGNB08]. **OpenCL** [MZLS20, TK16, WTS19]. **OpenCL-Based** [MZLS20]. **OpenGL** [BCW21]. **Operate** [US23]. **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, SMN+23]. **Optimizations** [HLC+15, IAG23, YSC+23]. **Optimized** [AI22, GS10, LDJ+17, RDC+21, SBC10, SZZW23, TYL+23, VdSN23, YFW+17, ZCK22]. **Optimizing** [BAMR13, BC11, Kap16, LFN+18, MZLS20, UCR+19, WGG16, WGG17]. **Option** [JJTL09]. **Options** [FT17]. **Order** [BGSL17, WBR16, WBR18]. **Oriented** [TL11, VL11, WHQ+08]. **Oscillator** [YKBS10, LMG+20, ZHH21]. **Oscillators** [PRV21]. **Out-of-Order** [WBR16, WBR18]. **Over-Clocking** [DB15]. **Overclocking** [SBC15]. **Overhead** [DHL+18, KGS15, NZS+23]. **Overlay** [BYB23, IF23]. **Overlays** [JCGW20, LA17]. **own** [RD11]. **Packet** [MS23]. **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, TYL+23, CA11]. **Parallelization** [DRHM22, ZVS20]. **Parallelized** [LZ19]. **Parallelizing** [WAT15]. **parameters** [DW13]. **Parametric** [SC08]. **Parser** [LBR16]. **Parser-Based** [LBR16]. **Part** [ENPR22b]. **Partial** [EAGEG09, GFBF12, GGR+18, RDB+18, TWG+20, ZMH+23, 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
[EAAAA19]. Pay-per-use [EAAAA19]. 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, PDIH11, 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].

PipeArch [KA21]. Pipelined [KAL14, SV09, YOY17]. pixel [Oli12].


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 [MÖG+13]. Prediction
[HNG09, KZB23, SDGL+22, AHAM+19, HGLS11]. Preemption [RDB+18].

Preserving [PVA+09, RHLK18]. Pricing [FT17, JTLC09, KCL11].

Primitives [HLN+10]. Priority [BAG15, KVX+11]. Privacy [RHLK18].

Privacy-Preserving [RHLK18]. Probabilistic [CSS+23]. 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, MGVB15, SLL+20, SKH+22, SDM+18, SSC16, WAT15, YEC+99, ZBB+20, ZBB+16]. Processor [CBFM14, KCC+14, KD19, LA17, MKW+12, PWP+16, Tak17, WBR16, YEC+09, Tak12]. Processor-logic [KD19].

Processors [FLM+17, GF1B12, SFNP23, VTN09, WPSI18, WBR18, IYY+11, LJS11, MLFS22]. Product [VDdSN23]. Production [UHU19].

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, MKW+12, SPM+10, WGGR17, 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].

QiCells [GKGS23]. Quantization [YHK+21]. Quantized [BPF+18].

RapidLayout [ZCK22]. RAT [HNG09]. Rate [IABV15]. RAW
[GC13, RVHP16]. RC [HNG09]. Real
[ABCC09, BATM22, BHB14, GKL1A23, 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, GKL1A23]. Real-world [SLL+20]. Realizable [RGCL16].

Realizable-Utilization [RGCL16]. Receiver [BATM22]. Recipes [DGP10].
Reconfigurable [ASGY12, ADSH18, AV13, ATJZ16, BBND10, Bec14, BHI15, BDH+19, BHB14, CBC+12, CNZ+18, CTH16, CNE+15, CH10, CBR+14, CKG+10, DC16, DGP+15, DSB09, DDB+10, EAGEG09, FT17, FKS+12, FKL+15, GKM+12, GC13, GdLG+14, HCOB13, HHSC10, HNS+10, HLN+10, IZ0+10, IGM+20, IBH+15, JCC+12, JTC09, KMK+10, KCC+14, LP22, LTS+08, MS23, MH15, MKP09, MKW+12, MSSM10, NNY12, NBS13, NJJW14, N12, PP10, PD15, PFC15, QNF+23, RGW10, RGCL16, RMSK16, RUC11, SGW20, SGC21, SPM+10, SBT09, 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, GDH11, HLL08, HHI13, 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, ZMH+23, NSS+11, PDH11]. ReconROS
[LP22]. Reconstruction [ASPP22, TZWZ15]. ReCoSoC [Hiib12].
ReCoSoC’12 [VG14]. Recovery [ZNA+18]. Rectangular [SWT+22].
Recurrent [QNF+23]. Recover [PWP+16]. RedCrypt [RHLK18].
Reduce [PSM+14]. Recursive [BAMR10, TOS17]. Reduction
[CW09, SLH+10]. References [BAMR13]. Regular [LT09, YHK+21].
Regulator [AV13]. Regulators [MLPK22]. Related [OBD13]. relating

Time
[ABCC09, BPFD11, BATM22, BHB14, DNL19, HHSC10, INF+14, IBH+15, KZB23, PPR+10, RDB+18, RMSK16, RHLK18, GKL20A, RD11].

**Time-to-Digital** [DNL19]. **Timed** [PVA+09]. **Timing** [CXG+12, GGR+18, GNM+15, LRA13, MWL+15, Ste10, WYZ16, ZML+22].

**Timing**-Driven [ML+15, ZML+22]. **Titan** [ML+15, PP10]. **Titan-R** [PP10]. **TMR** [ZNA+18]. **Today** [CLL+22].

**Tolerance** [DVK15, JCG+12]. **Tolerant** [BKT14, RLY+15].

**Tools** [BKT14, LKJ+11]. **Toolset** [MKM+10]. **Topology** [RLY+15]. **Torus** [KG17].

**TPM** [GHWS22]. **TR** [GDHG11]. **TR-FSM** [GDHG11].

**Trace** [DSK15]. **Trace-Driven** [DSK15]. **track** [Che22].

**Trade** [SAD10, LW08]. **trade-o** [LW08]. **Trade-Os** [SAD10]. **Tradeo** [CFBS15]. **Tradeos** [UNBR14].

**Trac** [OWMZ11]. **Transaction** [AB23]. **Transaction-based** [AB23].

**transactional** [LJS11]. **Transfer** [DD18]. **Transforms** [SP20].

**Transfer** [DD18]. **Transient** [PEM+09]. **Transistor** [KY18].

**Transition** [GDHG11]. **Transition-Based** [GDHG11]. **Traversal** [FRS+15].

**TRETS** [Bec14, Che22, DH08]. **TRIP** [GGR+18]. **TRNGs** [YKBS10].

**True** [LSP+23, PRV21]. **Trust** [DL09].

**Trust-Based** [DL09]. **TrustZone** [GHWS22]. **Tunable** [SKB+22].

**Tunnel** [TYB18]. **Turnaround** [JCGW20].

**Two** [DL09]. **Two-Level** [DL09].

**ULP** [KCC+14]. **ULP-SRP** [KCC+14]. **Ultra** [KCC+14]. **UltraScale** [LMG+20]. **UML** [GLIG+14]. **UML/MARTE** [GdLG+14].

**Unary** [FAB22, MWBL21]. **Unfriendly** [AI22]. **Unified** [WS16, ZDS+22]. **uniform** [CAG+22].

**UNILOGIC** [JGM+20]. **Unit** [BCW21, PP10, RUC11]. **Units** [VDdSN23, dDELVP13].

**Unpredictable** [BAMR13]. **Unrolling** [DSB09, DPHT19, TKH+19]. **Unstructured** [BGS17]. **UNTANGLED** [MCL+13].

**Update** [BCE+10]. **Usage** [GHWS22]. **use** [BC11, EAAA+19].

**Using** [BAG15, BCW21, CSH17, CPN+09, CAG+22, DL09, FAB22, FK08, FRS+15, GNM+15, HNM+22, JCGW20, LP15, NW11, PWP+16, RLY+15, RLM+17, RHLK18, SDGL+22, TK16, WTS19, ZZB+20, ZCK22, ZWM19, dMdLC23, JSC+14, KSC+10, MHK+08, PD15, PMKM11]. **Utilization** [RGCL16]. **Utilizing** [SFNP23].

**Validation** [IPC14]. **Value** [THK12, ZG16]. **Variability** [TML2S12].

**Variable** [FL16, IZO+10, WL10, Oli12]. **Variable-Grain** [IZO+10].

**Variable-Precision** [FL16]. **Variation** [DB15, MHK+08, SB08].

**Variation-Aware** [SB08]. **Variations** [SC08]. **VBSME** [Oli12]. **VCSN** [US23].

**Vector** [DBB+10, KPS+16, YEC+09, BC11]. **Verilog** [KA17].

**Verilog-to-Routing** [KA17]. **Versatile** [PBPLA17]. **VFloat** [WL10].

**Video** [ABCC09, LP15]. **Virtex** [AKA09]. **Virtex-5** [AKA09]. **Virtual**


X [AVCP20]. xDNN [DWN+22]. Xilinx [LMG+20].

Years [LAA+17]. Yield [SC08].

Zynq [KD19, MCD+18].

References


REFERENCES


Ahmed:2009:PTV


Abdelhadi:2016:MSM


Amano:2009:GEI


Alonso:2022:EDS


Aggarwal:2012:SFT


Alachiotis:2022:SPR

Nikolaos Alachiotis, Panagiotis Skrimponis, Manolis Pissadakis, and Dionisios Pnevmatikatos. Scalable phylogeny reconstruction with disaggregated near-memory processing. *ACM Transactions on Reconfigurable Technology and Systems (TRETS)*, 15


Yuhui Bai, Syed Zahid Ahmed, and Bertrand Granado. ARC 2014: Towards a fast FPGA implementation of a heap-based priority queue for image coding using a parallel index-aware tree. *ACM Transactions on Reconfigurable Technology and Systems*
REFERENCES


Bakos:2018:ISS


Ben-Asher:2010:RMC


Ben-Asher:2013:OWS


Brennsteiner:2022:RTD


Banerjee:2010:BMA


Boland:2011:OMB

David Boland and George A. Constantinides. Optimizing memory bandwidth use and performance for matrix-vector multiplication in iterative methods. ACM Transactions on Reconfigurable
REFERENCES


Becker:2014:ITS


Besta:2020:SCM


Beec\r\kler:2008:PGR


Burovskiy:2017:EAH


Brugger:2014:RRF


Biedermann:2015:SDR

October 2015. CODEN ???? ISSN 1936-7406 (print), 1936-7414 (electronic).


REFERENCES


REFERENCES


**Abdelhamid:2023:SMC**


**Chen:2011:EDL**


**Cook:2022:INU**


**Cevrero:2009:FPC**


**Cancare:2012:EHC**

Fabio Cancare, Davide B. Bartolini, Matteo Carminati, Donatella Sciuto, and Marco D. Santambrogio. On the evolution of hardware circuits via reconfigurable architectures. *ACM Transactions
REFERENCES


Cooke:2015:TAF


Chiu:2010:MDS


Cheung:2011:ISS


Chen:2016:I


Chen:2019:EMN


Chen:2022:NTE

Cahill:2022:AFD


Curreri:2010:PAF


Cong:2022:FHT


Chen:2014:GMA


Chau:2015:MAP


Cao:2018:FRA

Shijie Cao, Lanshun Nie, Dechen Zhan, Wenqiang Wang, Ningyi Xu, Ramashis Das, Ming Wu, Lintao Zhang, and Derek Chiu. FlexSaaS: a reconfigurable accelerator for Web search selection. *ACM Transactions on Reconfigurable Technology and Systems*
REFERENCES


[CSS+23] Young-Kyu Choi, Carlos Santillana, Yujia Shen, Adnan Darwiche, and Jason Cong. FPGA acceleration of probabilistic sen-

Chao:2016:DTM


Chin:2009:SDM


Compton:2009:ISI


Cheng:2012:STP


Cong:2009:FBH

Duarte:2015:ACK


Dehon:2016:ISI


Du:2022:BAB


Dhawan:2015:AEN


Daigneault:2018:ASS


Dubois:2010:SMV

deDinechin:2013:FPE

Demertzi:2011:DSO

Dogan:2022:CBB

Dehon:2020:ISS

Damiani:2022:BFS

Drimer:2010:DBP
Saar Drimer, Tim Güneysu, and Christof Paar. DSPs, BRAMs, and a pinch of logic: Extended recipes for AES on FPGAs.

DiCarlo:2015:SSA


DeHon:2008:GET


Davis:2018:KHA


Dutt:2009:TBD


Ding:2018:LLH

Delomier:2020:MBD


demoura:2023:dcr


dinh:2019:nfi


dumpala:2019:lue


dewald:2022:ilp

REFERENCES

Dobai:2015:LLF


Dragomir:2009:OLU


Das:2015:ETD


Davidson:2015:IDC


Das:2015:ASE


Das:2013:TDA


[ENPR22a] Ken Eguro, Stephen Neuendorffer, Viktor Prasanna, and Hongbo Rong. Introduction to special issue on FPGAs in data cen-


[FT17] Pieter Fabry and David Thomas. Efficient reconfigurable architecture for pricing exotic options. *ACM Transactions on Recon-
REFERENCES


REFERENCES


REFERENCES


REFERENCES

Ganegedara:2013:CPA


Güneysu:2008:SPH


Gorjiara:2008:MDC


Gibson:2022:ACM


Guo:2010:OSC


Goehringer:2015:GEA

REFERENCES

Gharibian:2013:ASL


Giechaskiel:2023:CVC


Garg:2020:HNC


Gu:2021:DGB


Guo:2018:DSF


Heyse:2015:IRL

Karel Heyse, Jente Basteleus, Brahim Al Farisi, Dirk Stroobandt, Oliver Kadlec, and Oliver Pell. On the impact of replacing low-


REFERENCES


REFERENCES


Iskandar:2023:NMC


Iturbete:2015:MAH


Ioannou:2023:SOA


Ioannou:2020:UNA


Itturiet:2014:APE

Fábio Itturiet, Gabriel Nazar, Ronaldo Ferreira, Álvaro Moreira, and Luigi Carro. Adaptive parallelism exploitation under physical and real-time constraints for resilient systems. *ACM Transactions
REFERENCES


Josipovic:2022:BPS


Jin:2009:ERA


Kim:2017:SSC


Kara:2021:PGC


Kim:2014:FPF


Kapre:2016:OSV


 REFERENCES


[KLD16] Edin Kadric, David Lakata, and André Dehon. Impact of parallelism and memory architecture on FPGA communication en-


Koehler:2011:PAB


Kennings:2011:FTM


Keller:2022:ITR


Khan:2018:EAM


Koch:2023:ISI


Kalantar:2023:FBA

Laforest:2017:MCM


Leong:2017:FYF


Leow:2013:AME


LeGal:2016:FSM


Lam:2014:EFA

Siew-Kei Lam, Christopher T. Clarke, and Thambipillai Sriman-
Liu:2017:TOF


Leong:2022:ISS


Liu:2018:OCB


Lu:2022:DSH


Lei:2014:FIS

REFERENCES


REFERENCES


REFERENCES


Lu:2008:DCR


Li:2018:EMP


Liu:2019:PFF


Lanuzza:2010:ESR


Michail:2012:EHT


Mishchenko:2011:SDC

REFERENCES


REFERENCES


REFERENCES


Montone:2010:PFD


Mentens:2022:ISS


Miller:2015:GBA


Mohajer:2021:PUC


Martin:2012:CPA

[MWK+12] Kevin Martin, Christophe Wolinski, Krzysztof Kuchcinski, Antoine Floch, and François Charot. Constraint programming approach to reconfigurable processor extension generation and appli-


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[RDB+18] Enrico Rossi, Marvín Damschen, Lars Bauer, Giorgio Buttazzo, and Jörg Henkel. Preemption of the partial reconfiguration process

**Reggiani:2021:ESM**


**Richardson:2016:AFR**


**Reardon:2010:SFR**


**Rouhani:2018:RRT**


**Riebler:2017:EBB**

REFERENCES


Shi:2015:IDD


Sedcole:2008:PYM


Shannon:2011:LRH


Smith:2010:AFA


Shield:2012:ACC


Singh:2022:AWP


REFERENCES


REFERENCES


REFERENCES

Sano:2010:FAB


Shao:2020:PGF


Suh:2023:AHC


Swierczynski:2015:PSE


Serre:2020:DBH


REFERENCES

**Sterpone:2010:NTD**

**Seetharaman:2009:ASF**

**Sherwin:2022:MFF**

**Salamat:2022:NGN**

**Shi:2023:OGR**

**Takano:2012:DAA**


REFERENCES


REFERENCES


Ul-Abdin:2016:RCF


Umuroglu:2019:OBS


Underwood:2009:SSL


Ulusel:2014:FDE


Ueno:2023:VV


Ueno:2017:BCF

Tomohiro Ueno, Kentaro Sano, and Satoru Yamamoto. Bandwidth compression of floating-point numerical data streams for
REFERENCES


REFERENCES


REFERENCES


Zhang:2012:PSF


Zhang:2015:EAR


Zhang:2016:CBE


Zeng:2022:UFV

REFERENCES

102


Zaidi:2016:VSF


Zick:2012:LCS


Zhou:2021:SHC


Zhao:2023:ASC


Zhou:2022:ROS

Zhao:2018:FGM


Zhang:2019:RAD


Zhang:2021:CHP


Zhou:2020:AFR


Zhou:2019:FAN

REFERENCES
