

A Complete Bibliography of *ACM Transactions on Parallel Computing (TOPC)*

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

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Title word cross-reference

2013 [DH15]. **2014** [MSS16]. **2016**
[BHHL17a, BHHL17b, Gil18].

3 [HDT⁺15].

Abort [DR15]. **Abstract** [GNC⁺17].
Accelerators [HKL⁺14]. **Access**
[AG18, AKMW18, HDT⁺15]. **Accuracy**
[BHB⁺15]. **ACM** [Gib14]. **Adaptive**
[GWWL16, JCG⁺14, MSA⁺18]. **Adaptivity**
[LPY18]. **Adding** [ST17]. **Addressing**
[DAC⁺16]. **Affine** [DMB16]. **Against**
[ES15]. **Aggregation** [GNC⁺17]. **Airwaves**
[GZ15]. **Algorithm**
[ADMO17, BHB⁺15, CDPN19, SB14].

Algorithm-Based [BHB⁺15]. **Algorithmic**
[GNC⁺17]. **Algorithms**
[AG18, BCRS16, CGT⁺17, JMT16, KX16,
KMVV15, MMM16, PRS18, SG15].
Aligners [SMM⁺16]. **Allocating** [SA16].
Allocation [JPK⁺15, XZZY15]. **Allocator**
[MSA⁺18]. **Among** [CB16]. **Analysis**
[SBF⁺16]. **Analytics** [WPD⁺17]. **APGAS**
[THC⁺16]. **application** [SB14].
Applications
[BBPS19, BGA⁺16, CDG17, WMP14].
Applied [MA18]. **Approximate**
[LPY18, ST17]. **Architectural** [HHA17].
Architecture [HKL⁺14, SMM⁺16].
Assessing [BCRS16]. **Atomicity**
[GGRSY17]. **Attacks** [ES15]. **Autogen**
[CGT⁺17]. **Automatic** [ALMS18, CGT⁺17,
GGRSY17, REP⁺14, WMP14]. **Autotuners**

[LTL⁺18]. **Autotuning** [BBPS19, LTL⁺18]. **Avoiding** [BDK15]. **Aware** [KR18].

Balancing [CDPN19]. **Band** [BDK15]. **BARAN** [MSA⁺18]. **Based** [BGLP16, BHB⁺15, MMF⁺15, SG18]. **Better** [MRR18]. **Bimodal** [MSA⁺18]. **Block** [SMM⁺16]. **Bound** [BSS18, MP15]. **Bounded** [SBF⁺16]. **Bounds** [MRR18]. **Branch** [MP15]. **Branching** [DPRR15, MRR18]. **Broadcast** [GZ15]. **BSP** [BSS18]. **Build** [LTL⁺18].

C [SG18]. **C-Stream** [SG18]. **Cache** [HL16]. **Cartesian** [SB14]. **Causes** [BGA⁺16]. **Channel** [XZZY15]. **Chip** [MSA⁺18, XZZY15]. **Chromatic** [KHSL16]. **class** [REP⁺14]. **Clique** [MP15]. **Clos** [YNM16]. **Closure** [KH15]. **Clustering** [FLEN15]. **Clusters** [CDPN19, JMNY15]. **Co** [SG18]. **Co-routine-Based** [SG18]. **Coalescing** [DPRR15, MRR18]. **Coalescing-Branching** [DPRR15, MRR18]. **Code** [MA18]. **Cohorting** [DMS15]. **Collective** [SG15]. **Communication** [BDK15, BSS18, CDPN19, WMP14]. **Competitive** [DKKM15]. **Competitively** [IMPT16]. **Compiling** [DMB16]. **Composable** [MG17]. **Composition** [KH15]. **Computation** [CSC⁺18]. **Computational** [KH15]. **Computations** [HSS15, KHSL16, MHLK18]. **Computing** [BGHS16, JMNY15, Gib14]. **Concurrency** [TDB16]. **Concurrent** [GNC⁺17, MSD19]. **Conjugate** [GWWL16]. **Connectivity** [PRS18]. **Conquer** [CGT⁺17]. **Constraints** [AG18]. **construction** [SB14]. **Consumption** [JCG⁺14]. **Containers** [IS17]. **Contended** [HHA17]. **Contention** [ALB⁺18]. **Continuous** [DKKM15]. **Controlled** [TDB16]. **Cope** [BCRS16]. **Cores** [SA16]. **Counters** [ST17]. **Creation** [BGLP16]. **CUDA** [KH15].

Damaris [DAC⁺16]. **Data** [AG18, DAC⁺16, GNC⁺17, HHA17, KHSL16, MG17, RB14, ZLLD18]. **Data-Graph** [KHSL16]. **Deadline** [JMNY15]. **Deadline-Sensitive** [JMNY15]. **Dense** [BHB⁺15]. **Dependence** [CZS⁺17]. **Designing** [DMS15]. **Designs** [GNC⁺17]. **Detection** [DVS18, KUCT15, LS18]. **Deterministic** [YNM16]. **Deterministically** [KHSL16]. **Devices** [AKMW18]. **Differentiated** [CSC⁺18]. **Dimensions** [DVS18]. **Discovery** [CGT⁺17]. **Distributed** [DMB16, KX16, PRS18, REP⁺14]. **Divide** [CGT⁺17]. **Divide-&-Conquer** [CGT⁺17]. **DomLock** [KN17]. **Dual** [AG18, IS17]. **Dynamic** [AKMW18, CGT⁺17, DMB16, KHSL16, KUCT15, MMM16].

EagerMap [CDPN19]. **Editor** [BHHL17a, BHHL17b, Her15]. **Efficient** [CZS⁺17, CGT⁺17, DR15, GNC⁺17, LS18, PRS16, SSS15]. **Elastic** [SG18]. **Empirical** [TDB16]. **Energy** [SA16]. **Engine** [SG18]. **Enhancing** [RB14]. **Errors** [BCRS16]. **ESTIMA** [CDG17]. **Exclusion** [AH19]. **executable** [WMP14]. **Executing** [KHSL16]. **Execution** [HSS15]. **Experimental** [SBF⁺16]. **Explicit** [HSS15]. **Expression** [KH15]. **Extended** [ADMO17]. **Extrapolating** [CDG17]. **Extreme** [TJK15]. **Extreme-Scale** [TJK15].

Factorizations [BHB⁺15]. **Fail** [BCRS16]. **Fail-Stop** [BCRS16]. **Failure** [KR18]. **Failure-Aware** [KR18]. **Failures** [BHB⁺15]. **Fast** [BDA⁺18, KMOVV15, MSD19, PRS18]. **Fault** [BHB⁺15]. **Fetch** [AH19]. **Fetch-and-increment** [AH19]. **Fly** [LLS⁺15]. **Folded** [YNM16]. **Folded-Clos** [YNM16]. **Formation** [DKKM15]. **Framework** [MA18]. **Free** [ZLLD18]. **Frequency** [XZZY15]. **Futures** [HL16].

Games [BGLP16, FLEN15]. **General** [BCRS16, DMS15, MSD19]. **General-Purpose** [BCRS16]. **Generality** [IS17]. **generation** [WMP14]. **GPGPU** [MA18]. **GPU** [ADMO17, MGG15, WPD⁺17]. **GPUs** [BDA⁺18, GWWL16]. **Gradient** [GWWL16]. **Granularity** [KN17]. **Graph** [CSC⁺18, KHSL16, KX16, MGG15, WPD⁺17]. **Graphics** [BOU16]. **Graphs** [CSC⁺18, DPRR15, PRS18]. **Greedy** [KMVV15]. **Group** [AH19]. **Guarantees** [AKMW18]. **Guest** [BHHL17a, BHHL17b, Her15]. **Gunrock** [WPD⁺17].

Hardware [HKL⁺14, PRS16]. **Hash** [MSD19]. **Hedonic** [FLEN15]. **Heuristics** [SA16]. **Hierarchies** [KN17]. **High** [BDA⁺18, KH15, MGG15, MA18, XZZY15]. **High-Frequency** [XZZY15]. **High-Performance** [MGG15]. **High-Quality** [BDA⁺18]. **High-Throughput** [XZZY15]. **HPC** [BBPS19]. **Hybridizing** [CZS⁺17]. **Hypergraph** [BDKS16]. **Hypergraphs** [BGHS16]. **Hyperobjects** [LS18].

I/O [BBPS19]. **IBM** [HKL⁺14]. **Identifying** [BGA⁺16]. **Implementation** [BDA⁺18]. **Implications** [MP15]. **Improve** [CDPN19]. **Improving** [JCG⁺14]. **In-Memory** [CDG17]. **increment** [AH19]. **Independent** [BGHS16, BDA⁺18]. **Information** [ES15]. **Insider** [ES15]. **Intermediate** [IMPT16]. **Intratile** [MHLK18]. **Introduction** [ALS18, BHHL17a, BHHL17b, DH15, Gil18, Gro17, Her15, LDML16, Lil14, MSS16, PRS15, Gib14]. **Inversion** [SSS15]. **IRIS** [ES15]. **irregular** [REP⁺14]. **Issue** [ALS18, BHHL17a, BHHL17b, DH15, Gil18, LDML16, MSS16, PRS15]. **Iterations** [AG18].

Jobs [JMNY15]. **Joint** [SA16].

Large [BGA⁺16, JMNY15, MA18, PRS18]. **Large-Scale** [BGA⁺16]. **Lease** [HHA17]. **Lease/Release** [HHA17]. **Leveraging** [PRS16]. **Library** [MG17]. **Limited** [EDMSV15, LPY18]. **Linear** [DKKM15]. **Linked** [ZLLD18]. **Links** [TJK15]. **Load** [CDPN19]. **Locality** [BGLP16, HL16, MG17]. **Locality-Based** [BGLP16]. **Lock** [ALB⁺18, DMS15, ZLLD18]. **Lock-Free** [ZLLD18]. **Locking** [GGRSY17, KN17]. **Locks** [DMS15]. **Loop** [DMB16]. **loops** [REP⁺14]. **Low** [MMM16]. **Low-Rank** [MMM16]. **Lower** [BSS18].

Management [ALB⁺18, DAC⁺16, TJK15]. **Mapping** [CDPN19]. **MapReduce** [KMVV15]. **MASA** [SMM⁺16]. **Matching** [AG18]. **Matrix** [ASA18, BDKS16, BHB⁺15, SSS15]. **Maximal** [BGHS16, BDA⁺18]. **Maximum** [AG18, MP15]. **Mechanisms** [JMNY15]. **Memory** [ALMS18, CDG17, DMB16, DR15, EDMSV15, HDT⁺15, KUCT15, MHLK18, MMF⁺15, REP⁺14]. **Memory-Starved** [MHLK18]. **Message** [PRS16]. **methodology** [WMP14]. **Methods** [MMM16]. **Metrics** [RB14]. **Mobile** [AKMW18]. **Modeling** [GWWL16]. **Models** [ASA18]. **MPI** [ALB⁺18, HDT⁺15, WMP14]. **MPI-3** [HDT⁺15]. **MST** [PRS18]. **Multi** [GWWL16, KN17, SA16]. **Multi-Cores** [SA16]. **Multi-GPUs** [GWWL16]. **Multi-Granularity** [KN17]. **Multichip** [RB14]. **Multicore** [CB16, CDPN19, RB14]. **Multicore/Multichip** [RB14]. **Multicores** [CR17]. **Multidimensional** [MHLK18]. **Multiplatform** [SMM⁺16]. **Multiple** [BOU16, BHB⁺15, CB16, KP15]. **Multiplication** [ASA18, BDKS16]. **Multiported** [SG15]. **Multisplit**

[ADMO17]. **Multithreaded** [ALB⁺18].
Multiway [GNC⁺17]. **Mutual** [AH19].

Near [JMNY15]. **Near-Optimal**
 [JMNY15]. **Nearest** [LPY18]. **Neighbor**
 [LPY18]. **Nests** [DMB16]. **Network**
 [BGLP16, MSA⁺18]. **Network-on-Chip**
 [MSA⁺18]. **Networks**
 [SG15, TJK15, YNM16]. **Nodes** [RB14].
Noise [HSS15]. **Noise-Tolerant** [HSS15].
Nonblocking [IS17]. **Nonuniform** [HSS15].
NUMA [DMS15, MG17]. **Number** [AG18].

O [BBPS19]. **Objects** [KH15]. **Oblivious**
 [CR17]. **Off** [TJK15]. **On-Chip** [XZZY15].
On-the-Fly [LLS⁺15]. **On/Off** [TJK15].
Open [GZ15]. **OpenMP** [KH15]. **Optimal**
 [JMNY15]. **Optimization**
 [GWWL16, RB14, SA16]. **Optimizations**
 [MG17]. **Optimizing** [BBPS19]. **Order**
 [BOU16].

Parallel
 [ASA18, AKMW18, ADMO17, BGHS16,
 BGA⁺16, CZS⁺17, EDMSV15, Gib14,
 JMT16, KX16, MP15, SB14, WMP14].
Parallelism [LLS⁺15]. **Parallelizability**
 [IMPT16]. **Parallelization**
 [MHLK18, REP⁺14]. **Parallelizing**
 [MMM16]. **Partitioning**
 [ASA18, BDKS16, CSC⁺18]. **Passing**
 [PRS16]. **Path** [YNM16]. **Peeling** [JMT16].
Performance
 [BBPS19, DAC⁺16, HKL⁺14, JCG⁺14,
 KH15, MGG15, MA18, RB14, SA16].
Petascale [DAC⁺16, THC⁺16]. **Physics**
 [KH15]. **Pipeline** [LLS⁺15]. **Pipelines**
 [JPK⁺15]. **Placement** [KR18].
Polylogarithmic [SSS15]. **Portable**
 [MG17]. **Post** [DAC⁺16]. **Post-Petascale**
 [DAC⁺16]. **Power** [JCG⁺14, TJK15].
POWER7 [JCG⁺14]. **PowerEN** [HKL⁺14].
PowerLyra [CSC⁺18]. **PPoPP**
 [BHHL17a, BHHL17b]. **PPoPP'12** [PRS15].

PPoPP'14 [LDML16]. **PPoPP'15** [Gro17].
Precise [KUCT15]. **Preconditioned**
 [GWWL16]. **Prediction** [MA18].
Prefetching [JCG⁺14]. **Primal** [AG18].
Probabilistic [KR18]. **Problem** [MP15].
Problems [CGT⁺17, DKKM15]. **Process**
 [HSS15]. **Processes** [CB16]. **Processing**
 [BOU16, SG18]. **Processor** [HKL⁺14].
Processors [KP15]. **Production** [MA18].
Profitable [KP15]. **Programming**
 [CGT⁺17, HDT⁺15, MMM16]. **Protocol**
 [LTL⁺18]. **Pruning** [SMM⁺16]. **Purpose**
 [BCRS16].

QoS [MMF⁺15]. **Quality** [BDA⁺18].

Race [DVS18, KUCT15, LS18]. **Random**
 [DPRR15, MRR18]. **Randomized** [LPY18].
Rank [MMM16]. **Rapidly** [LTL⁺18]. **Rates**
 [HSS15]. **Reclamation** [ALMS18].
Reconfigurable [MSA⁺18].
Reconfigurable-Allocator [MSA⁺18].
Recursive [CGT⁺17]. **Reducer** [LS18].
Reduction [BDK15, DR15]. **Relaxing**
 [CZS⁺17]. **Release** [HHA17]. **Remote**
 [HDT⁺15]. **Requirements** [MMF⁺15].
Resource [AG18, CR17, JPK⁺15]. **Robot**
 [DKKM15]. **Robust** [ES15, KR18]. **Root**
 [BGA⁺16]. **Routers** [XZZY15]. **routine**
 [SG18]. **Routing** [YNM16]. **Runtime**
 [CZS⁺17, DMB16, JPK⁺15, TJK15].

Scalability [CDG17]. **Scalable** [ALMS18,
 GGRSY17, KUCT15, KP15, MGG15]. **Scale**
 [BGA⁺16, TJK15]. **Scaling**
 [ASA18, HHA17]. **Schedulers**
 [SBF⁺16, TDB16]. **Scheduling**
 [AKMW18, DMB16, EDMSV15, IMPT16,
 JMNY15, KHSL16, KP15]. **SciPAL** [KH15].
Search [LPY18, MP15]. **Section** [Gro17].
Selecting [BOU16]. **Semantic** [GGRSY17].
Sensitive [JMNY15]. **Sequence** [SMM⁺16].
Set [BDA⁺18]. **Sets** [BGHS16]. **Shape**
 [MP15]. **Shared** [DMB16]. **Sharing** [CB16].

Silent [BCRS16]. **Simple** [KX16, XZZY15, SB14]. **Simulations** [DAC⁺16]. **Single** [YNM16]. **Single-Path** [YNM16]. **Sixteen** [SA16]. **Skewed** [CSC⁺18]. **Software** [JPK⁺15, MMF⁺15]. **Solving** [CGT⁺17]. **Sorting** [CR17]. **SPAA** [DH15, Gil18, MSS16]. **SPAA'15** [ALS18]. **Space** [CB16, SBF⁺16]. **Space-Bounded** [SBF⁺16]. **Sparse** [ASA18, BDKS16]. **Sparsification** [KX16]. **Special** [ALS18, BHHL17a, BHHL17b, DH15, Gil18, Gro17, LDML16, MSS16, PRS15]. **specifications** [WMP14]. **Spectral** [KX16]. **Speed** [IS17, KP15]. **Speed-Scalable** [KP15]. **Starved** [MHLK18]. **States** [BGA⁺16]. **Statistics** [BOU16]. **Stencil** [HSS15, MHLK18]. **Stop** [BCRS16]. **Strategies** [DKKM15]. **Stream** [SG18, SG18]. **Streaming** [GNC⁺17, KMVV15]. **Structure** [RB14]. **Structured** [HL16]. **Structures** [HHA17, ZLLD18]. **Study** [ADMO17, TDB16]. **Successive** [BDK15]. **suffix** [SB14]. **Support** [CZS⁺17, HHA17]. **Supporting** [MMF⁺15]. **SybilCast** [GZ15]. **Synchronization** [PRS16]. **System** [ES15]. **Systems** [CDPN19, KUUCT15, MG17, TJK15, REP⁺14].

Tables [MSD19]. **Task** [CDPN19, EDMSV15]. **Tasks** [IMPT16, SA16]. **Technique** [BSS18, DMS15, KN17]. **Temperature** [SA16]. **Templates** [KH15]. **Testing** [TDB16]. **Thread** [PRS16]. **ThreadScan** [ALMS18]. **Throughput** [XZZY15]. **Time** [MMF⁺15, SSS15, DR15]. **Time-Based** [MMF⁺15]. **Time-Warp** [DR15]. **Tolerance** [BHB⁺15]. **Tolerant** [HSS15]. **Torus** [SG15]. **Tracking** [CZS⁺17]. **TRADE** [KUUCT15]. **Transactional** [DR15, KUUCT15, MMF⁺15, ZLLD18]. **Transactions** [Gib14]. **Transformation** [MA18, ZLLD18]. **Transparently** [CB16].

Traversal [MGG15]. **Tree** [MP15, SB14]. **Trees** [EDMSV15]. **Two** [DVS18]. **Types** [GNC⁺17].

Unit [BOU16]. **Using** [KHSL16, TDB16].

Variability [DAC⁺16]. **via** [GGRSY17]. **Virtual** [XZZY15].

Wait [BGA⁺16]. **Walks** [DPRR15, MRR18]. **Warp** [DR15]. **Weather** [MA18]. **Well** [HL16]. **Well-Structured** [HL16]. **Work** [SSS15]. **Work-Efficient** [SSS15]. **Workload** [AKMW18].

X10 [THC⁺16].

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Ashkiani:2017:GME

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Xu:2015:SVC

Totoni:2015:PME

Yuan:2016:FCN

Wu:2014:MAG

Zhang:2018:LFT

Wang:2017:GGG