

# A Bibliography of Supercomputing '2004

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## Abstract

This bibliography records articles presented at the Supercomputing '2004 conference.

## Title word cross-reference

4 [WCSK04]. 5 [FC04].

-D [FC04]. -Dimensional [WCSK04].

10 [BCC+04]. 15.2 [KKF+04].

2 [MK04]. 2004 [ACM04].

Abundant [Won04].

ActiveScale [TGZ+04a]. Adaptive [DA04].

Advanced [USB04]. Aerospace [MTA+04].

Algorithms [ORR04].

Alternative [CKE+04].

Analyses [ABKP04]. Analysis [USB04].

Application [HCB04].

Application-Aware [LOT04].

Application-Level [SBF+04].

Applications [PDT+04].

Architecture [SCY04].

Architecture-Aware [PTCV04].

Architectures [PDT+04].

Assessing [dLR04]. Automated [CH04].

Automatic [GAW04].

Automatically [TH04]. Aware [PTCV04].

Bandwidth [TGZ+04a]. Based [FPP04].

Be [DeB04]. Big [LOT04].

Billion [ABKP04]. Billions [TO04].

Biological [Won04]. Blade [PPH+04].

BlueGene [DHJ+04].

BlueGene/L [DHJ+04].

Boltzmann [PDT+04]. Bridging [ACM04].

**Building** [LVP04]. **Bundle** [ORR04].  
**Cache** [BH04]. **Caches** [LOT04].  
**Caching** [ORR04]. **Calculations** [BCC+04].  
**Case** [EAK04]. **Centric** [YF04].  
**CFD** [MTA+04]. **Checkpoint** [SBF+04].  
**Checkpoint-Recovery** [SBF+04].  
**Cluster** [Bur04, TGZ+04a].  
**Cluster-Based** [SCY04].  
**Clusters** [CKE+04].  
**Collaborative** [GAW04].  
**Communication** [CG04].  
**communities** [ACM04]. **Compiler** [PE04].  
**Complex** [PTCV04].  
**Compression** [KBS04].  
**Computation** [DO04].  
**Computational** [TO04].  
**Computations** [OCC+04].  
**Computer** [BCC+04].  
**Computing** [KGZ+04].  
**Concept** [PPH+04]. **Conference** [ACM04].  
**Connected** [DHL+04]. **Context** [Hol04].  
**Control** [SH04]. **Coordination** [KNT+04].  
**Coscheduling** [CKE+04].  
**Counters** [TH04]. **Coupled** [BCC+04].

**D** [FC04]. **Data** [ORR04].  
**Data-Grids** [ORR04].  
**Data-Intensive** [TGZ+04b].  
**Database** [TO04]. **Datasets** [WCSK04].  
**Degrees** [ABKP04].  
**Delivering** [TGZ+04a].  
**Departmental** [PPH+04]. **Design** [USB04].  
**Desktop** [KCC04b].  
**Dimensional** [WCSK04].  
**Discovery** [Ree04]. **Disk** [Bur04].  
**Disk-Resident** [WCSK04].  
**Distributed** [CG04].  
**Distribution** [GAW04].  
**Dynamic** [WPBM04].  
**Dynamics** [BCF+04].

**Early** [MTA+04]. **Earth** [KKF+04].  
**Earthquake** [YMW04]. **Economy** [Aha04].

**Efficient** [GHW+04]. **Element** [ABKP04].  
**Elements** [TO04]. **Enabled** [GAW04].  
**Enhancement** [BJZH04].  
**Enterprise** [KCC04b].  
**Environment** [GAW04].  
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**Evaluating** [CG04]. **Evaluation** [PDT+04].  
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**Experience** [MTA+04].  
**Experiences** [GHG04].

**Fastpath** [Bur04]. **Fat** [KNT+04].  
**Fault** [dLR04]. **Fault-Tolerant** [DHL+04].  
**File** [WPBM04]. **File-Bundle** [ORR04].  
**Finite** [ABKP04]. **Flexible** [FPP04].  
**Flow** [SH04]. **Fluid** [SH04].  
**Framework** [RR04]. **Freedom** [ABKP04].  
**Fujitsu** [MTA+04]. **Functionally** [SCY04].

**Generatinn** [TO04].  
**Geodynamo** [KKF+04].  
**Geometric** [RR04]. **GPU** [FQKYS04].  
**Grid** [GAW04]. **Grids** [ORR04].  
**GYRO** [FC04]. **Gyrokinetic** [FC04].  
**Gyrokinetic-Maxwell** [FC04].

**Half** [ABKP04]. **Haralick** [WCSK04].  
**Hardware** [HKR04]. **Harness** [SOE+04].  
**Hash** [CCF04]. **Hexahedral** [TO04].  
**High** [HCB04]. **HPC2500** [MTA+04].

**IEEE** [ACM04]. **IEEE/ACM** [ACM04].  
**Image** [WCSK04].  
**Implementation** [GHG04].  
**Implicit** [ABKP04]. **Improve** [CH04].  
**Improving** [DO04]. **Inca** [SOE+04].  
**InfiniBand** [LVP04]. **Information** [CH04].  
**Intel** [BH04]. **Intellectual** [Ree04].  
**Intensive** [TGZ+04b]. **Inter** [KNT+04].  
**Inter-Layer** [KNT+04].  
**Internet** [DHL+04]. **Itanium** [BH04].

**Java** [HCB04]. **JAXA** [MTA+04].

**Kosha** [BJZH04].

**L** [DHJ+04]. **Lambda** [YF04].  
**Lambda-Grid** [YF04]. **Language** [DA04].  
**Large** [PDT+04]. **Large-Scale** [PDT+04].  
**Lattice** [PDT+04]. **Law** [DeB04].  
**Layer** [KNT+04]. **Level** [RR04].  
**Lever** [Ree04]. **Line** [BCF+04].  
**Linux** [MK04]. **Locality** [DO04].  
**Location** [CCF04]. **Logistics** [Swa04].  
**Long** [KNT+04].

**Machine** [KGZ+04].  
**Management** [WPBM04].  
**Managing** [KGZ+04]. **Maxwell** [FC04].  
**Measurement** [BH04].  
**Mechanics** [ABKP04]. **Memory** [TH04].  
**Merrimac** [EAG+04]. **Meshes** [TO04].  
**Messages** [KBS04]. **Messaging** [FPP04].  
**Metadata** [WPBM04].  
**Middleware** [HCB04]. **Modeling** [USB04].  
**Modern** [OCC+04].  
**Modernizing** [EAK04].  
**Molecular** [EAG+04]. **Moore** [DeB04].  
**MPI** [MK04]. **MPI-2** [MK04].  
**MPI-Level** [LVP04]. **Multi** [RR04].  
**Multi-Level** [RR04].  
**Multidisciplinary** [Ree04].  
**Multirail** [LVP04].

**Network** [SCY04, BJZH04].  
**Networking** [ACM04].  
**Networks** [KNT+04]. **Nodes** [DHL+04].  
**November** [ACM04].

**Online** [LC04]. **Opportunities** [Won04].  
**Optimal** [ORR04].  
**Optimization** [PTCV04].  
**Optimizations** [Bur04].  
**Organizing** [TGZ+04b].

**PA** [ACM04]. **Panasas** [TGZ+04a].  
**ParaDiS** [BCF+04]. **Parallel** [OCC+04].  
**Parallelization** [GHW+04].

**Peer** [BJZH04]. **Peer-to-Peer** [BJZH04].  
**ACM** [ACM04]. **Performance** [HCB04].  
**Petabyte** [WPBM04].  
**Petabyte-Scale** [WPBM04]. **PIM** [USB04].  
**Pipe** [KNT+04]. **Pipeline** [YMW04].  
**Pittsburgh** [ACM04]. **Pools** [HKR04].  
**Post** [GHW+04].  
**Post-Processing** [GHW+04].  
**Potential** [DO04]. **Pragmatic** [PTCV04].  
**Predicting** [CG04].  
**PRIMEPOWER** [MTA+04].  
**Prior** [CH04]. **Proceedings** [ACM04].  
**Process** [PTCV04]. **Processing** [GHW+04].  
**Processor** [BH04]. **Processors** [PTCV04].  
**Program** [PTCV04].  
**Programming** [RR04].  
**Programs** [SBF+04]. **Proiectiles** [SH04].  
**Protocol** [GHG04]. **Providing** [KGZ+04].

**QCDOC** [BCC+04].

**Rapid** [KCC04b]. **Rating** [PE04].  
**Real** [HCB04]. **Realistic** [LC04].  
**Recovery** [Bur04]. **Regrouping** [DO04].  
**Rendering** [GAW04]. **Replica** [CCF04].  
**Reporting** [SOE+04]. **Resident** [WCSK04].  
**Resource** [KCC04b]. **Resources** [KCC04a].  
**Results** [EAG+04]. **Routed** [YF04].  
**RPC** [DHL+04]. **RPC-V** [DHL+04].  
**Runs** [CH04]. **Runtime** [KBS04].

**Scalability** [DHJ+04]. **Scalable** [BCF+04].  
**Scale** [WPBM04]. **Scheme** [SBF+04].  
**Scientific** [OCC+04]. **Self** [TGZ+04b].  
**Self-Organizing** [TGZ+04b].  
**Sensitivity** [dLR04]. **Service** [CCF04].  
**Services** [FPP04]. **Shared** [Bur04].  
**Shared-Disk** [Bur04]. **Simulation** [LC04].  
**Simulations** [SH04]. **Simulator** [KKF+04].  
**Small** [LOT04]. **SOAP** [FPP04].  
**SOAP-Based** [FPP04]. **Software** [EAK04].  
**Solid** [ABKP04]. **Solver** [FC04].  
**Storage** [TGZ+04b]. **Streams** [KNT+04].  
**Study** [EAK04]. **Sufficient** [DeB04].

**Supercomputer** [ACG<sup>+</sup>04].  
**Supercomputing** [PDT<sup>+</sup>04].  
**Support** [MK04]. **Supporting** [SCY04].  
**Symmetric** [SCY04].  
**Synchronization** [HKR04].  
**Synthesis** [KCC04a].  
**System** [TO04, BJZH04].  
**Systematic** [PTCV04].  
**Systems** [WPBM04].

**Table** [CCF04]. **Task** [HKR04].  
**TCP** [KNT<sup>+</sup>04]. **Teraflops** [BCC<sup>+</sup>04].  
**Terascale** [YMW04]. **Test** [SOE<sup>+</sup>04].  
**Texture** [WCSK04]. **TFlops** [KKF<sup>+</sup>04].  
**Three** [PDT<sup>+</sup>04]. **Throughput** [Swa04].  
**Tightly** [BCC<sup>+</sup>04].  
**Tightly-Coupled** [BCC<sup>+</sup>04].  
**Tiling** [RR04]. **Tolerant** [DHL<sup>+</sup>04].  
**Tool** [MK04]. **Tradeoffs** [USB04].  
**Transport** [GHG04]. **Tuning** [PE04].  
**Turnaround** [KCC04b].

**Ultrascaleable** [ABKP04].  
**Unlocking** [ACG<sup>+</sup>04].  
**Unstructured** [TO04]. **User** [YF04].  
**User-Centric** [YF04]. **Using** [CH04].

**V** [DHL<sup>+</sup>04]. **Vector** [OCC<sup>+</sup>04].  
**Vehicle** [PPH<sup>+</sup>04]. **Viable** [CKE<sup>+</sup>04].  
**VIRACOCKA** [GHW<sup>+</sup>04].  
**Virtual** [KGZ<sup>+</sup>04].  
**Visualization** [GAW04].  
**VMPlants** [KGZ<sup>+</sup>04]. **Volatile** [DHL<sup>+</sup>04].  
**VTOL** [PPH<sup>+</sup>04].

**Wavelength** [YF04].  
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