

# A Bibliography of Supercomputing '98

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## Abstract

This bibliography records articles presented at the Supercomputing '98 conference.

[BTE98, BGC98, Gar98]. **Architectures** [QB98]. **Array** [PPR98]. **ATLAS** [WD98]. **Authoring** [AFFH98]. **Automatic** [FHJ<sup>+</sup>98]. **Automatically** [WD98]. **Available** [CDI98].

## Title word cross-reference

**2000** [FHJ<sup>+</sup>98].

**3D** [LYCD98].

**Accessed** [CDI98]. **Accurate** [TS98]. **ACM/IEEE** [ACM98]. **Adaptive** [Mar98]. **Adaptively** [SKK98]. **AGCM** [MDFS98]. **Agent** [HIS98]. **Algebra** [MvdG98, WD98]. **Algorithm** [PHS98]. **Algorithms** [BF98, KK98, PPR98, SS98a]. **Analysis** [BGC98, GC98]. **Analyzing** [SGS98]. **Application** [LYCD98]. **Applications** [HH98]. **Architecture**

**Balancing** [KC98]. **Barrier** [LJ98]. **Based** [SGS98, SSCM98, TS98]. **Benchmark** [BTE98]. **Beowulf** [SSS98]. **Beowulf-class** [SSS98]. **Between** [PHS98, PPR98]. **Block** [PPR98]. **Block-Cyclic** [PPR98]. **Bounds** [SGS98].

**C3I** [BTE98]. **Cache** [QB98]. **Cache-Coherent** [QB98]. **Case** [TGL98]. **CCF** [Sun98]. **Center** [ACM98]. **Challenge** [Mar98]. **class** [SSS98]. **Cluster** [QB98]. **Code** [TS98]. **Codes** [AJMCY98]. **Coherence** [LJ98]. **Coherent** [QB98]. **Collaborative** [PTC98, Sun98]. **Collective** [SCHC98]. **Combustion** [WEW98].

**Communication** [ABD<sup>+</sup>98, BF98]. **Comparison** [FHJ<sup>+</sup>98]. **Compilation** [AJMICY98]. **Computation** [Mar98]. **Computational** [SSCM98]. **Computations** [KC98]. **Computers** [SS98a]. **Computing** [ACM98, AAN<sup>+</sup>98, AFFH98, BBD<sup>+</sup>98, FK98, MDFS98, MCF<sup>+</sup>98, Sun98]. **Condominium** [AAN<sup>+</sup>98]. **Conference** [ACM98]. **Configuration** [DNH98]. **Conformational** [LYCD98]. **Constraint** [KK98]. **Convention** [ACM98]. **core** [DNH98]. **Corona** [Mar98]. **County** [ACM98]. **Cycle** [RH98]. **Cyclic** [PPR98].

**Data** [CDI98, GC98]. **Datatypes** [TGL98]. **Delivering** [HH98]. **Derived** [TGL98]. **Design** [Gar98]. **Distributed** [AFFH98, FK98, PTC98, SSS98, SS98a]. **DSMs** [LJ98]. **Dynamic** [CDI98, KC98, NB98, SKK98, SS98b].

**Efficiency** [TCL98]. **Efficient** [Gar98, HTI98, MCF<sup>+</sup>98, PPR98, SS98a]. **Eigensolver** [SSH98]. **Ejection** [Mar98]. **Electronic** [WCS98]. **Elimination** [LD98]. **Enabled** [FK98]. **Engines** [WEW98]. **Environment** [AFFH98, SSCM98]. **Environments** [MDFS98, MCF<sup>+</sup>98, MvdG98]. **Error** [SGS98]. **Evaluation** [BTE98, TS98]. **Execution** [MCF<sup>+</sup>98]. **Exploring** [ACR<sup>+</sup>98].

**File** [Gar98]. **Fine** [RH98]. **Fine-Grain** [RH98]. **Florida** [ACM98]. **Fortran** [AJMICY98]. **Framework** [BBD<sup>+</sup>98, KC98, PTC98]. **Frameworks** [Sun98]. **Frequently** [CDI98].

**Gang** [HTI98]. **Gaussian** [LD98]. **Grain** [RH98]. **Grand** [Mar98]. **Grand-Challenge** [Mar98]. **Graph** [KK98]. **Grid** [FK98]. **Grid-Enabled** [FK98]. **Grids** [PHS98]. **Guided** [WJK98].

**Hardware** [Ber98]. **HARP** [SS98b]. **Heterogeneous** [FK98, HIIS98]. **Hierarchical** [KC98]. **High** [ACM98, AFFH98, BBD<sup>+</sup>98, GC98, MDFS98, SSH98, WEW98, AJMICY98]. **High-Level** [AFFH98]. **High-Performance** [BBD<sup>+</sup>98, WEW98]. **Highly** [CDI98, Gar98, HTI98].

**I/O** [SCHC98, TGL98]. **IBM** [Ber98]. **Image** [WJK98]. **Image-Guided** [WJK98]. **Implementation** [BGC98, DNH98, HTI98]. **Improve** [TGL98]. **Infrastructure** [MCF<sup>+</sup>98]. **Initial** [BTE98]. **Interaction** [DNH98, HHC<sup>+</sup>98]. **Interface** [BGC98]. **Internal** [WEW98]. **Interpolation** [PHS98]. **Irregular** [NB98]. **Issues** [ACR<sup>+</sup>98].

**Job** [MCF<sup>+</sup>98].

**Lanczos** [WCS98]. **Large** [LYCD98]. **Level** [AFFH98]. **Libraries** [SCHC98]. **Lightweight** [SCHC98]. **like** [MvdG98]. **Linear** [MvdG98, WD98]. **Load** [KC98]. **Load-Balancing** [KC98]. **Loops** [GN98].

**Making** [LD98]. **Mass** [Mar98]. **Massively** [DNH98]. **MATLAB** [MvdG98]. **MATLAB-like** [MvdG98]. **Matrix** [TCL98]. **Measurement** [Ber98]. **Memory** [SS98a, TCL98]. **Meshes** [SKK98]. **Message** [FK98]. **Method** [WCS98]. **Microscopy** [PTC98]. **Middleware** [HIIS98, TS98]. **Mining** [GC98]. **Modelling** [TS98]. **Molecular** [TS98]. **Monitor** [Ber98]. **MPI** [FK98, HH98, TGL98]. **MPI-StarT** [HH98]. **MTA** [SCB<sup>+</sup>98]. **Muli** [KK98]. **Muli-Constraint** [KK98]. **Multi** [BF98, SCB<sup>+</sup>98]. **Multi-processor** [SCB<sup>+</sup>98]. **Multi-Tier** [BF98]. **Multidimensional** [GC98]. **Multilevel** [KK98]. **Multiple** [PHS98]. **Multiplication** [TCL98]. **Multipole** [SGS98].

**Multipole-Based** [SGS98]. **Multireference** [DNH98]. **Multithreaded** [BTE98, KC98].

**Network** [HH98]. **Networking** [ACM98]. **Networks** [LHZ98, RH98]. **Notebook** [SSCM98]. **Notebook-Based** [SSCM98]. **November** [ACM98]. **Numerical** [HH98].

**O** [SCHC98, TGL98]. **Object** [BBD+98]. **Object-Oriented** [BBD+98]. **OpenMP** [LHZ98]. **Optimizing** [QB98]. **Orange** [ACM98]. **Oriented** [BBD+98]. **Origin** [FHJ+98]. **Orlando** [ACM98]. **Out-of-core** [DNH98]. **Overhead** [LJ98]. **Overlap** [BF98]. **OVERTURE** [BBD+98].

**Parallel** [BF98, BTE98, DNH98, Gar98, HHC+98, Mar98, MCF+98, MvdG98, PHS98, SSH98, SS98b, SCHC98]. **Parallelism** [NB98]. **Parallelization** [FHJ+98, GN98, LYCD98]. **Parallelizing** [AJMICY98]. **Partitioner** [SS98b]. **Partitioning** [KK98]. **Passing** [FK98]. **Path** [Mar98]. **PDS** [SCHC98]. **PDS/PIO** [SCHC98]. **Compilers** [FHJ+98]. **IEEE** [ACM98]. **PIO** [SCHC98]. **Penn** [AAN+98]. **Performance** [ACM98, AJMICY98, AFFH98, BBD+98, Ber98, GC98, HH98, MDFS98, SSH98, SCB+98, TS98, TGL98, WEW98]. **PFS** [Gar98]. **Pivoting** [LD98]. **Prediction** [LYCD98, Mar98, TS98]. **Problem** [Mar98]. **Proceedings** [ACM98]. **Processor** [PPR98, SCB+98]. **Program** [DNH98]. **Programming** [AFFH98, BTE98]. **Protein** [LYCD98]. **Prototype** [SSCM98]. **Pthreads** [NB98].

**Quantitative** [ABD+98].

**Real** [WJK98]. **Real-Time** [WJK98]. **Redistribution** [PPR98]. **Reducing** [LJ98]. **Refined** [SKK98]. **Rendezvous** [PHS98].

**Repartitioning** [SKK98]. **Run** [GN98]. **Run-Time** [GN98]. **Runtime** [HHC+98].

**S** [SS98b]. **S-HARP** [SS98b]. **SC98** [ACM98, ACM98]. **Scalable** [ACR+98, CDI98, LD98]. **Scale** [LYCD98]. **Scaling** [SSS98]. **Scheduling** [AAN+98, HTI98]. **Scientific** [AJMICY98, BBD+98, Ber98, HHS98]. **Segmentation** [WJK98]. **Selection** [SS98a]. **Server** [MvdG98]. **Serving** [CDI98]. **Sets** [PPR98]. **SGI** [FHJ+98]. **Simulation** [TS98, WEW98, WCS98]. **Simulations** [HHC+98, HHS98]. **Sites** [CDI98]. **SMP** [ACR+98]. **Software** [LJ98, QB98, WD98]. **Solar** [Mar98]. **Solar-Corona** [Mar98]. **Space** [ABD+98]. **Sparse** [LD98]. **Spectral** [SS98b]. **Speculative** [GN98]. **StarT** [ACR+98, HH98]. **StarT-Voyager** [ACR+98]. **State** [AAN+98]. **Static** [LD98]. **Stealing** [RH98]. **Strassen** [TCL98]. **Structure** [LYCD98, WCS98]. **Study** [ABD+98]. **Suite** [BTE98]. **Supporting** [HHC+98]. **Surgery** [WJK98]. **Synchronization** [LJ98]. **System** [BTE98, CDI98, Gar98, AAN+98]. **Systems** [FK98, SSS98].

**Techniques** [AJMICY98, GN98]. **Tera** [BTE98, SCB+98]. **Terascale** [MCF+98]. **TFLOPS** [Gar98]. **Tier** [BF98]. **Time** [GN98, WJK98]. **Tool** [HHC+98]. **Toolkit** [AFFH98]. **Tools** [FHJ+98, SSCM98]. **Tools/Compilers** [FHJ+98]. **Treecodes** [SGS98]. **Tuned** [WD98]. **Tuning** [TCL98].

**UCLA** [MDFS98]. **USA** [ACM98]. **User** [ABD+98]. **User-Space** [ABD+98]. **Using** [Ber98, BTE98, TGL98].

**Virtual** [BGC98]. **Visual** [AFFH98]. **Voyager** [ACR+98].

**Web** [CDI98]. **WebFlow** [AFFH98]. **Work-**

load [Ber98]. **Workstations** [LHZ98, RH98].

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