

A Bibliography of Supercomputing '95

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 (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

12 August 2014
Version 1.05

Abstract

This bibliography records articles presented at the Supercomputing '95 conference.

Title word cross-reference

N [BH95].

Really [Wul95].

-Body [BH95].

1000 [SSM⁺95]. **12** [MFC⁺95]. **1990s** [Goo95].

3D [BMWY95].

94 [Por95].

Access [BDL95, NMkL⁺95, Rin95]. **ACM** [Kar95]. **ACM/IEEE** [Kar95]. **Activities** [Wra95]. **Adaptable** [KMQ95]. **Adaptive** [KB95]. **Address** [ENSO95]. **Admission** [FM95]. **Advanced** [Iwa95, Sch95]. **Alamos** [SD95]. **Algorithm** [HL95, LKC95]. **Algorithms** [FAJL⁺95, GK95]. **America** [Hod95]. **Analysis** [AMCA⁺95, BA95, GLL95, KK95a]. **Anisotropies** [BB95]. **Anxiety** [Mil95]. **Application** [AFMS95, CS95, HS95b, SS95]. **Applications** [AS95, CACR95, ENSO95, FM95, HS95c, LM⁺95, Zie95a]. **Applications-Driven** [ENSO95]. **Approach** [Ayg95, Gar95, HS95a, Lab95, WR95, WS95]. **Approaches** [NMkL⁺95]. **Approximate** [GKS95]. **Archetypes** [VG95]. **Architectural** [JHP95, RSS⁺95]. **Architecture** [KPG95, KMQ95, HS95c]. **Architecture-Adaptable** [KMQ95].

Architectures [TRM⁺95]. **Area** [SD95].
Array [DHSK95, GLL95]. **Astrophysical** [MT95]. **ATD** [Sch95]. **ATM** [HHM95].
Atmospheric [DS95, FAJL⁺95].
Automata [Lil95]. **Automated** [BSM95].
Automatic [Ayg95, Gar95, KK95b, Lab95].

Back [GK95]. **Balancing** [BH95]. **Bears** [BASW95]. **Behavior** [HS95b]. **Benefits** [ENSO95]. **Bisection** [Bar95]. **Body** [BH95, MT95]. **Boundary** [NK95, WSL95].
Bursty [FM95].

CA [Kar95]. **Call** [FM95]. **Careers** [Ano95].
Case [KMQ95, NK95]. **Cellular** [Lil95].
Center [Kar95, Por95]. **CFD** [KPG95].
Challenge [BMWY95]. **Challenges** [Iwa95]. **Characteristics** [CACR95].
Chemical [CS95, DS95].
Chromodynamics [YNF⁺95]. **Circulation** [KMQ95]. **Classroom** [Lil95, MFC⁺95].
Clothes [Pan95]. **Clustering** [ENSO95].
Clusters [tBC95, HHM95]. **CMB** [BB95].
Coarse [HAM⁺95]. **Coarse-Grain** [HAM⁺95]. **Code** [VG95, BMWY95].
Coherent [KSB95]. **Collective** [HHM95, SCJ⁺95]. **Commercial** [SBW95].
Communication [HHM95, RSS⁺95, Rin95].
Community [Zie95a, Zie95b]. **Compilation** [AMCA⁺95, AS95]. **Compiler** [GMS⁺95, HAM⁺95, KPG95]. **Compiling** [TRM⁺95]. **Components** [LKC95].
Computational [BDL95, CT95, HS95a, PJ95, Por95].
Computations [JHP95]. **Computer** [Ano95, Don95a, MT95, SSM⁺95].
Computers [WS95]. **Computing** [Goo95, LM⁺95, MPS95, NMkL⁺95, NK95, Rin95, Wul95]. **Concepts** [Cur95].
Concurrent [KA95]. **Conference** [Kar95].
Confront [BASW95]. **Connected** [LKC95].
Connection [SB95]. **Consistency** [KSB95].
Control [FM95, Goo95]. **Controlling** [SS95]. **Convention** [Kar95]. **Convex** [SSM⁺95]. **Correction** [FAJL⁺95].
Correlated [FM95]. **Cray** [BMWY95].
Cup [Hod95]. **Curricula** [CT95].
Curriculum [Ste95].

Data [AMCA⁺95, Ayg95, BH95, FAJL⁺95, Gar95, KK95b, Lab95, MPP⁺95, Rin95].
Dataflow [GLL95]. **Dataset** [NMkL⁺95].
Debugging [AFMS95]. **December** [Kar95].
Decoupled [TRM⁺95]. **Demonstration** [Sch95]. **Detecting** [HAM⁺95]. **Detection** [CJN⁺95]. **Developing** [CT95, WSL95].
Development [AFMS95, Ste95, WR95].
Diego [Kar95]. **Direct** [GK95]. **Directed** [SCJ⁺95]. **Distributed** [AS95, BA95, BDF⁺95, FM95, HS95c, LDCZ95, NK95, PKZC95].
Distributed-Memory [HS95c, NK95].
Distributing [CS95]. **Distribution** [Ayg95, Gar95, Lab95]. **Does** [Don95a].
DOT [TMRP95]. **Driven** [ENSO95].
Dynamics [CSWM95].

EarthVision [CT95]. **Eddy** [WSL95].
Effect [KPG95]. **Efficient** [FAJL⁺95, KA95]. **Element** [KMQ95, NK95]. **Elliptic** [LF95].
Embedded [LM⁺95]. **Emperor** [Pan95].
Engineering [Ano95, Iwa95].
Environment [AMCA⁺95, PJ95].
Environmental [NMkL⁺95].
Environments [MPS95]. **EUROPORT** [Wra95]. **Evaluation** [SSM⁺95, WR95].
Evolutionary [SB95]. **Examination** [Goo95]. **Exchange** [BDF⁺95]. **Execution** [PKZC95]. **Experience** [CT95].
Experiences [Cur95]. **Explicit** [RSS⁺95].
Exploiting [BH95]. **Export** [Goo95].

Fast [LKC95, PLC95]. **Findings** [Por95].
Fine [PKZC95]. **Fine-Grained** [PKZC95].
Finite [KMQ95]. **Fitting** [WB95].
Flattening [DHSK95]. **Flops** [SBW95].
Flow [LF95]. **FM** [PLC95]. **Folding**

[HS95a]. **Force** [Sch95]. **Fortran** [KK95b]. **Forward** [GK95]. **Future** [BASW95, MFC⁺95].

Gallon [Don95a]. **Gateway** [SD95]. **GCV** [WB95]. **General** [BB95]. **Geostrophic** [BMWY95]. **Get** [Don95a]. **Ghost** [SB95]. **Gigabit** [CS95, HS95c, SD95]. **Global** [DS95, WS95]. **Goldilocks** [BASW95]. **Grain** [HAM⁺95, SS95]. **Grained** [PKZC95]. **Grand** [BMWY95]. **GRAPE** [MT95]. **GRAPE-4** [MT95]. **Graph** [KK95a]. **Graphs** [HL95]. **Grid** [BMWY95]. **Guide** [Mil95].

Handy [Iwa95]. **Hardware** [KSB95]. **Hardware-Coherent** [KSB95]. **Hear** [Pan95]. **Hierarchical** [GKS95]. **High** [ACG95, Goo95, LM⁺95, MPS95, NMkL⁺95, PLC95, Por95, WS95, KK95b]. **High-Performance** [ACG95, Goo95, MPS95, NMkL⁺95, WS95]. **HIPPI** [SD95]. **HIPPI-SONET** [SD95]. **HPC** [Pan95, Ste95]. **HPCC** [BDF⁺95]. **HPF** [GMS⁺95, Smi95]. **Hybrid** [PKZC95].

I/O [CSWM95, HS95c, Poo95, SCJ⁺95]. **IBM** [BMWY95, BDG⁺95, GMS⁺95]. **II** [Zie95b]. **Illinois** [PLC95]. **Imaging** [MPP⁺95]. **Implementation** [BMWY95]. **Implementations** [tBC95]. **Incompressible** [LF95]. **Incremental** [WS95]. **Index** [DHSK95]. **Information** [BCSS95, BDL95, BDF⁺95, Mil95, Rin95]. **Infrastructure** [KB95]. **Initiative** [Por95]. **Input** [CACR95]. **Input/Output** [CACR95]. **Instrumentation** [WR95]. **Instruments** [Sko95]. **Integrated** [AMCA⁺95]. **Intelligent** [BDL95]. **Interactions** [TMRP95]. **Interface** [VG95]. **Interprocedural** [AS95, HAM⁺95]. **Investigation** [ENSO95]. **Invited** [Cur95, Don95a, Goo95, Hod95, Iwa95, Mil95, Pan95, Sch95]. **Irregular** [AS95].

Issues [Poo95].

Joint [Sch95]. **JTF** [Sch95].

Kernel [LF95]. **Knowledge** [Mil95]. **Knowledge-Value** [Mil95].

Languages [KA95, PKZC95]. **Large** [AFMS95, HS95b, NMkL⁺95, WSL95]. **Large-Scale** [NMkL⁺95]. **Lattice** [BDG⁺95]. **Layer** [WSL95]. **Layout** [KK95b]. **Lazy** [KSB95]. **Level** [HL95, TD95]. **Limitations** [CSWM95]. **Linear** [BB95, GK95]. **Living** [MFC⁺95]. **Loads** [BH95]. **Locality** [BH95]. **Location** [KA95].

Machine [TD95, SB95]. **Machine-Level** [TD95]. **Machines** [AS95, HS95c, LKC95]. **Management** [BDF⁺95]. **Manual** [KPG95]. **Many** [Don95a]. **Massively** [WS95]. **Matching** [ACG95]. **Matrix** [GKS95]. **Matrix-Vector** [GKS95]. **Mayors** [Don95b]. **Mechanics** [HS95a]. **Mechanisms** [RSS⁺95]. **Memory** [AS95, CBEL95, HS95c, LDCZ95, NK95, PKZC95, RSS⁺95, SSM⁺95, HS95b]. **Mesh** [KB95]. **Message** [BSM95, LDCZ95]. **Message-Passing** [BSM95]. **Messages** [PLC95]. **Messaging** [PLC95]. **Method** [NK95]. **Methods** [BDL95, GKS95, KB95]. **Microparallelism** [ACG95]. **Miles** [Don95a]. **Misuse** [CJN⁺95]. **Mobile** [TD95]. **Model** [DS95, FM95, PKZC95]. **Modeling** [LKC95]. **Modelling** [KMQ95]. **Models** [AFMS95]. **Modularity** [SB95]. **Molecular** [CSWM95, TMRP95]. **MONSTER** [SB95]. **MPCs** [HHM95]. **Multi** [BMWY95, HL95]. **Multi-Grid** [BMWY95]. **Multi-Level** [HL95]. **Multicast** [HHM95]. **Multicomputer** [NK95]. **Multicomputers** [PKZC95]. **Multigrid** [LF95]. **Multilevel** [Bar95, KK95a]. **Multiprocessors**

[ENSO95, HS95b, KSB95, KPG95, RSS⁺95]. **Myrinet** [PLC95].

N [MT95]. **N-body** [MT95]. **National** [BDF⁺95]. **Navier** [JHP95]. **Need** [Pan95]. **Network** [CS95, SS95, Cur95]. **Networking** [SD95, Zie95a, Zie95b]. **Networks** [LDCZ95]. **Neural** [SB95]. **No** [Pan95]. **Novel** [Ayg95, Gar95, Lab95]. **Numerical** [AFMS95, Hod95]. **NWT** [YNF⁺95].

O [CSWM95, HS95c, Poo95, SCJ⁺95]. **Object** [Gan95a, KA95, Gan95b]. **Object-Oriented** [KA95]. **Ocean** [KMQ95]. **Optimization** [CS95]. **Optimizations** [KPG95, Rin95]. **Optimizing** [TRM⁺95]. **Oriented** [Gan95a, Gan95b, KA95]. **Output** [CACR95].

Package [LF95]. **Panda** [SCJ⁺95]. **Panel** [Don95b]. **Parallel** [AMCA⁺95, BA95, Bar95, BSM95, BB95, tBC95, CSWM95, CACR95, DS95, Gan95a, Gan95b, GKS95, GK95, KB95, LF95, LKC95, MPP⁺95, NK95, Rin95, SSM⁺95, VG95, WS95]. **Parallelism** [HAM⁺95]. **Parallelization** [GLL95]. **Parallelizing** [HAM⁺95, JHP95, JY95]. **Partitioning** [HL95, KK95a]. **Passing** [BSM95, LDCZ95]. **IEEE** [Kar95]. **Performance** [AMCA⁺95, ACG95, BMWY95, BSM95, DS95, Goo95, KK95b, KPG95, LKC95, LM⁺95, MPS95, NMkL⁺95, PLC95, Sko95, SSM⁺95, WS95]. **Perspective** [Smi95]. **Phylogeny** [JY95]. **Pittsburgh** [Por95]. **Places** [Cur95]. **Plans** [Cur95]. **Platforms** [JHP95]. **PMRSB** [Bar95]. **Policy** [Goo95]. **Power** [tBC95]. **POWERParallel** [BDG⁺95]. **Predicting** [HS95b]. **Prediction** [BSM95, Hod95]. **Price** [Sko95]. **Privatization** [GLL95]. **Problem** [tBC95, JY95]. **Proceedings** [Kar95]. **Process** [CS95]. **Processing** [MPP⁺95]. **Processor** [BH95]. **Product** [GKS95]. **Program** [DHSK95, GLL95, VG95]. **Programming** [Gan95a, Gan95b, KA95, PJ95, TD95]. **Programs** [AMCA⁺95, BSM95]. **Protein** [ACG95, HS95a]. **Protocols** [CBEL95]. **Purpose** [MT95].

QCD [BDG⁺95]. **Quantum** [YNF⁺95]. **Quasi** [BMWY95]. **Quasi-Geostrophic** [BMWY95].

Radar [MPP⁺95]. **Recursive** [Bar95]. **Relative** [AFMS95]. **Relativity** [BB95]. **Release** [KSB95]. **Remotely** [FAJL⁺95]. **Report** [Por95]. **Repository** [NMkL⁺95]. **Research** [Poo95, SB95]. **Resources** [Ste95]. **Retrograde** [BA95]. **Revolution** [GSS95, Mil95]. **Road** [BCSS95]. **Robots** [TD95]. **Ruin** [BCSS95].

San [Kar95]. **Say** [Pan95]. **Scalable** [BDG⁺95, CACR95, Poo95, SSM⁺95]. **Scale** [HS95b, NMkL⁺95]. **Scheduling** [WS95]. **School** [Por95]. **Science** [Ano95, CT95, Por95]. **Scientific** [NK95, PJ95]. **SCIRun** [PJ95]. **SDSC** [Ste95]. **SDSU** [Ste95]. **Sensed** [FAJL⁺95]. **Server** [SCJ⁺95]. **Server-Directed** [SCJ⁺95]. **Shared** [ENSO95, HS95b, LDCZ95, RSS⁺95, SSM⁺95]. **Shared-memory** [HS95b]. **Simulating** [Sko95]. **Simulation** [KMQ95, WSL95, YNF⁺95]. **Simulations** [BH95, MT95]. **Size** [SS95]. **Smoothing** [WB95]. **Software** [BDF⁺95, GSS95, KB95, MPS95]. **Solution** [GK95]. **Solver** [LF95]. **Some** [Wul95]. **SONET** [SD95]. **Source** [VG95]. **SP2** [BMWY95, BDG⁺95, GMS⁺95]. **Space** [ENSO95]. **Spaceborne** [MPP⁺95]. **Sparse** [GK95]. **Spatially** [WSL95]. **Spatially-Developing** [WSL95]. **Speaker** [Cur95, Don95a, Goo95, Hod95, Iwa95, Mil95, Pan95, Sch95]. **Special** [MT95]. **Special-Purpose** [MT95]. **Spectral**

[Bar95]. **Splines** [WB95]. **SPP** [SSM⁺95]. **SPP-1000** [SSM⁺95]. **Stability** [tBC95]. **Statistical** [HS95a]. **Steering** [PJ95]. **Stokes** [JHP95]. **Storm** [CBEL95]. **Structured** [KB95, WR95]. **Study** [KM95, NK95]. **Substitution** [GK95]. **Super** [Iwa95, Wul95]. **Supercomputer** [GSS95]. **Supercomputers** [WB95]. **Supercomputing** [BASW95, Kar95, Por95]. **Superhighway** [BCSS95]. **Support** [KA95]. **Surface** [WB95]. **Surveying** [TMRP95]. **Survival** [Mil95]. **Symbolic** [GLL95]. **Synergetic** [KPG95]. **System** [BA95, tBC95, CBEL95, MPS95, WR95]. **Systems** [BDG⁺95, GK95, SB95].

T3D [BMWY95]. **Task** [Sch95]. **Teach** [TD95]. **Technologies** [Iwa95]. **Technology** [Sch95, Zie95b]. **Tereflops** [SBW95]. **Textbook** [MFC⁺95]. **Theoretical** [SB95]. **Three** [BASW95]. **Thriving** [Mil95]. **TM** [CJN⁺95]. **Tool** [CBEL95]. **Tools** [MPS95]. **Topologies** [HHM95]. **Tracer** [DS95]. **Traffic** [FM95]. **Transformation** [DHSK95]. **Transient** [tBC95]. **Transparency** [KA95].

Undergraduate [Ste95]. **UNICORN** [CJN⁺95]. **UNICOS** [CJN⁺95]. **USA** [Kar95]. **Use** [Lil95]. **User** [Smi95]. **Users** [Pan95]. **Using** [GKS95, HAM⁺95, NMkL⁺95, Rin95, WB95, KM95, Ste95].

Value [Mil95]. **Variety** [JHP95]. **Vector** [GKS95]. **Vendors** [Pan95]. **Versus** [LDCZ95]. **Virtual** [HHM95, Iwa95]. **Visualizing** [CBEL95].

Watch [CBEL95]. **Weather** [Hod95]. **Web** [VG95]. **Where** [GSS95]. **Wide** [SD95]. **Wide-Area** [SD95]. **Wind** [Sko95]. **Women** [Ano95]. **Workshop** [Ano95, Gan95b, MPS95, Poo95, Smi95, Wra95]. **Workstations**

[tBC95, LDCZ95, PLC95, SS95]. **WWW** [NMkL⁺95].

Years [Por95].

References

Alpern:1995:MHP

[ACG95]

Bowen Alpern, Larry Carter, and Kang Su Gatlin. Microparallelism and high-performance protein matching. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/549_LCAR/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Abramson:1995:RDA

[AFMS95]

David Abramson, Ian Foster, John Michalakes, and Rok Sosič. Relative debugging and its application to the development of large numerical models. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/599_IFOS/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number

415952) and IEEE (IEEE Computer Society Press order number FW07435).

Adve:1995:ICP

- [AMCA+95] Vikram S. Adve, John Mellor-Crummey, Mark Anderson, Ken Kennedy, Jhy-Chun Wang, and Daniel A. Reed. An integrated compilation and performance analysis environment for data parallel programs. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/528_VADV/SC95. HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Anonymous:1995:WCW

- [Ano95] Anonymous. Workshop: Careers for women in computer science and engineering. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/WORKSHOP.HTM#Women>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

[AS95]

Agrawal:1995:ICI

Gagan Agrawal and Joel Saltz. Interprocedural compilation of irregular applications for distributed memory machines. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/405_AGR/SC95. HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Ayguade:1995:NAT

[Ayg95]

Eduard Ayguade. A novel approach towards automatic data distribution. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/437_JGAR/SC95. HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Bal:1995:PRA

[BA95]

Henri Bal and Victor Allis. Parallel retrograde analysis on a distributed system. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/>

proceedings/463_HBAL/SC95. HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Barnard:1995:PPM

[Bar95]

Stephen T. Barnard. PMRSB: Parallel multilevel recursive spectral bisection. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/458_SBAR/SC95. HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Borchers:1995:GTB

[BASW95]

Robert Borchers (moderator), Tom Anderson (panellist), Burton Smith (panellist), and Steven Wallach (panellist). Goldilocks and the Three Bears confront the future of supercomputing. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/PANELS.HTM#Goldi>. These proceedings are not available in printed form. However, they are

available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Bode:1995:PLG

[BB95]

Paul Bode and Edmund Bertschinger. Parallel linear general relativity and CMB anisotropies. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/423_BODE/SC95. HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Bace:1995:ISR

[BCSS95]

Becky Bace (moderator), Gary Christoph (panelist), Tsutomu Shimomura (panelist), and Gene Spafford (panelist). Information superhighway or road to ruin? In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/PANELS.HTM#Bace>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE

(IEEE Computer Society Press order number FW07435).

Browne:1995:DIM

- [BDF⁺95] Shirley Browne, Jack Don-
garra, Geoffrey C. Fox, Ken
Hawick, Ken Kennedy, Rick
Stevens, Robert Olson, and
Tom Rowan. Distributed in-
formation management in the
National HPCC Software Ex-
change. In Karin [Kar95],
page ?? ISBN 0-89791-816-9.
URL http://www.supercomp.org/sc95/proceedings/588_BROW/SC95.HTM. These proceed-
ings are not available in printed
form. However, they are avail-
able on the World Wide Web,
and on CD-ROM, available from
ACM (ACM Press order number
415952) and IEEE (IEEE Com-
puter Society Press order num-
ber FW07435).

Bernard:1995:LQI

- [BDG⁺95] C. Bernard, C. DeTar, S. Got-
tlieb, U. M. Heller, J. Het-
rick, N. Ishizuka, L. Karkkainen,
S. R. Lantz, K. Rummukainen,
R. Sugar, D. Toussaint, and
M. Wingate. Lattice QCD on the
IBM Scalable POWERParallel
Systems SP2. In Karin [Kar95],
page ?? ISBN 0-89791-816-9.
URL http://www.supercomp.org/sc95/proceedings/411_CDT/SC95.HTM. These proceed-
ings are not available in printed
form. However, they are avail-
able on the World Wide Web,
and on CD-ROM, available from
ACM (ACM Press order number

415952) and IEEE (IEEE Com-
puter Society Press order num-
ber FW07435).

Berry:1995:CMI

- [BDL95] Michael W. Berry, Susan T.
Dumais, and Todd A. Letsche.
Computational methods for in-
telligent information access. In
Karin [Kar95], page ?? ISBN
0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/473_MBER/SC95.HTM. These proceedings are
not available in printed form.
However, they are available
on the World Wide Web, and
on CD-ROM, available from
ACM (ACM Press order number
415952) and IEEE (IEEE Com-
puter Society Press order num-
ber FW07435).

Banicescu:1995:BPL

- [BH95] Ioana Banicescu and Susan Flynn
Hummel. Balancing processor
loads and exploiting data local-
ity in N -body simulations. In
Karin [Kar95], page ?? ISBN
0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/594_BHUM/SC95.HTM. These proceedings are
not available in printed form.
However, they are available
on the World Wide Web, and
on CD-ROM, available from
ACM (ACM Press order number
415952) and IEEE (IEEE Com-
puter Society Press order num-
ber FW07435).

Baillie:1995:IPG

- [BMWY95] Clive F. Baillie, James C. McWilliams, Jeffrey B. Weiss, and Irad Yavneh. Implementation and performance of a grand challenge 3D quasi-geostrophic multi-grid code on the Cray T3D and IBM SP2. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/424_CLIV/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Block:1995:APP

- [BSM95] Robert J. Block, Sekhar Sarukkai, and Pankaj Mehra. Automated performance prediction of message-passing parallel programs. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/450_SSAR/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Crandall:1995:IOC

- [CACR95] Phyllis E. Crandall, Ruth A. Aydt, Andrew A. Chien, and

Daniel A. Reed. Input/output characteristics of scalable parallel applications. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/613_DREE/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Chilimbi:1995:SWA

- [CBEL95] Trishul M. Chilimbi, Thomas Ball, Stephen G. Eick, and James R. Larus. Storm Watch: a tool for visualizing memory system protocols. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/505_TCHI/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Christoph:1995:UMD

- [CJN⁺95] Gary G. Christoph, Kathleen A. Jackson, Michael C. Neuman, Christine L. B. Siciliano, Dennis D. Simmonds, Cathy A. Stallings, and Joseph L. Thompson. UNICORN: Misuse de-

- tection for UNICOS(TM). In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/714_GGC/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).
- [CT95] **Coppola:1995:DCS**
Ralph K. Coppola and Eva Erdosne Toth. Developing computational science curricula: The EarthVision experience. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/595_ETOT/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).
- [CS95] **Clay:1995:DCP**
Robert L. Clay and Peter A. Steenkiste. Distributing a chemical process optimization application over a gigabit network. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/592_RLCL/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).
- [CSWM95] **Clark:1995:OLP**
Terry W. Clark, L. Ridgway Scott, Stanislaw Wloked, and J. Andrew McCammon. I/O limitations in parallel molecular dynamics. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/524_TCLA/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).
- [Cur95] **Curtis:1995:ISN**
Pavel Curtis. Invited speaker: Network places: Concepts, experiences, and plans. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/INVSPEAK.HTM#Curtis>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

415952) and IEEE (IEEE Computer Society Press order number FW07435).

Das:1995:IAF

- [DHSK95] Raja Das, Paul Havlak, Joel Saltz, and Ken Kennedy. Index array flattening through program transformation. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/546_HAVL/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Donegan:1995:ISH

- [Don95a] Jack Donegan. Invited speaker: How many miles per gallon does your computer get? In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/INVSPEAK.HTM#Donegan>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Donegan:1995:MP

- [Don95b] Jack Donegan (moderator).

Mayors' panel. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/PANELS.HTM#Mayors>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Demmel:1995:PPG

- [DS95] James Demmel and Sharon Smith. Performance of a parallel global atmospheric chemical tracer model. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/608_SHSM/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Erlichson:1995:BCS

- [ENSO95] Andrew Erlichson, Basem A. Nayfeh, Jaswinder P. Singh, and Kunle Olukotun. The benefits of clustering in shared address space multiprocessors: An applications-driven investigation. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/532_

AERL/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Fallah-Adl:1995:EAA

[FAJL⁺95] Hassan Fallah-Adl, Joseph JaJa, Shunlin Liang, Yoram J. Kaufman, and John Townshend. Efficient algorithms for atmospheric correction of remotely sensed data. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/511_HFAD/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Fernandez:1995:MCA

[FM95] Jose Roberto Fernandez and Matt W. Mutka. Model and call admission control for distributed applications with correlated bursty traffic. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/502_JRFE/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web,

and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Gannon:1995:OOP

[Gan95a] Dennis Gannon. Object oriented parallel programming. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/902_DG/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Gannon:1995:WOO

[Gan95b] Dennis Gannon. Workshop: Object oriented parallel programming. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/902_DG/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Garcia:1995:NAT

[Gar95] Jordi Garcia. A novel approach towards automatic data distribution. In Karin [Kar95],

page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/437_JGAR/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Gupta:1995:PAF

[GK95] Anshul Gupta and Vipin Kumar. Parallel algorithms for forward and back substitution in direct solution of sparse linear systems. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/030_AGUP/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Gramma:1995:PMP

[GKS95] Ananth Grama, Vipin Kumar, and Ahmed Sameh. Parallel matrix-vector product using approximate hierarchical methods. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/032_AGRA/SC95.HTM. These proceedings are not available in printed

form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Gu:1995:SAD

[GLL95] Junjie Gu, Zhiyuan Li, and Gyungho Lee. Symbolic array dataflow analysis for array privatization and program parallelization. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/436_JGU/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Gupta:1995:HCI

[GMS⁺95] Manish Gupta, Sam Midkiff, Edith Schonberg, Ven Seshadri, David Shields, Ko-Yang Wang, Wai-Mee Ching, and Ton Ngo. An HPF compiler for the IBM SP2. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/417_SAMM/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number

415952) and IEEE (IEEE Computer Society Press order number FW07435).

Goodman:1995:ISE

- [Goo95] Seymour Goodman. Invited speaker: An examination of high-performance computing export control policy in the 1990s. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/INVSPEAK.HTM#Goodman>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Gannon:1995:WIS

- [GSS95] Dennis Gannon (Moderator), Larry Smarr (panellist), and Vince Schuster (panellist). Where is the supercomputer software revolution? In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/PANELS.HTM#Gannon>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Hall:1995:DCG

- [HAM⁺95] Mary W. Hall, Saman P. Amarasinghe, Brian R. Murphy, Shih-Wei Liao, and Monica S. Lam. Detecting coarse-grain parallelism using an interprocedural parallelizing compiler. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/622_MHAL/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Huang:1995:MVT

- [HHM95] Y. Huang, C. C. Huang, and P. K. McKinley. Multicast virtual topologies for collective communication in MPCs and ATM clusters. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/435_HUAN/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Hendrickson:1995:MAP

- [HL95] Bruce Hendrickson and Robert Leland. A multi-level algo-

rithm for partitioning graphs. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/509_BHEN/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Hodur:1995:ISN

[Hod95] Richard M. Hodur. Invited speaker: Numerical weather prediction and the America's Cup. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/INVSPEAK.HTM#Hodur>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Hao:1995:CAS

[HS95a] Ming-Hong Hao and Harold A. Scheraga. Computational approach to the statistical mechanics of protein folding. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/004_SHER/SC95.HTM. These proceedings are

not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Harzallah:1995:PAB

[HS95b] Karim Harzallah and Kenneth C. Sevcik. Predicting application behavior in large scale shared-memory multiprocessors. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/601_KHAR/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Hemy:1995:GOD

[HS95c] Michael Hemy and Peter Steenkiste. Gigabit I/O for distributed-memory machines: Architecture and applications. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/570_MHEM/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number

415952) and IEEE (IEEE Computer Society Press order number FW07435).

Iwata:1995:ISV

- [Iwa95] Shuichi Iwata. Invited speaker: Virtual engineering: Challenges into handy engineering from advanced and super technologies. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/INVSPEAK.HTM#Iwata>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Jayasimha:1995:PNC

- [JHP95] D. N. Jayasimha, M. E. Hayder, and S. K. Pillay. Parallelizing Navier–Stokes computations on a variety of architectural platforms. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/713_DNJA/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Jones:1995:PPP

- [JY95] Jeff A. Jones and Katherine A. Yelick. Parallelizing the phylogeny problem. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/562_JJON/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Kim:1995:ESL

- [KA95] WooYoung Kim and Gul Agha. Efficient support of location transparency in concurrent object-oriented programming languages. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/425_WYK/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Karin:1995:PAI

- [Kar95] Sidney Karin, editor. *Proceedings of the 1995 ACM/IEEE Supercomputing Conference, December 3–8, 1995, San Diego Convention Center, San Diego,*

CA, USA. ACM Press and IEEE Computer Society Press, New York, NY 10036, USA and 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 1995. ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Kohn:1995:PSI

[KB95]

Scott R. Kohn and Scott B. Baden. A parallel software infrastructure for structured adaptive mesh methods. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/507_SKOH/SC95. HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Karypis:1995:AMG

[KK95a]

George Karypis and Vipin Kumar. Analysis of multilevel graph partitioning. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/>

[proceedings/031_GKAR/SC95](http://www.supercomp.org/sc95/proceedings/031_GKAR/SC95). HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Kennedy:1995:ADL

[KK95b]

Ken Kennedy and Ulrich Kremer. Automatic data layout for High Performance Fortran. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/580_UKRE/SC95. HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Kumaran:1995:AFE

[KMQ95]

Santhosh Kumaran, Robert N. Miller, and Michael J. Quinn. Architecture-adaptable finite element modelling: A case study using an ocean circulation simulation. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/559_SKUM/SC95. HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web,

and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

[KPG95]

Masayuki Kuba, Constantine D. Polychronopoulos, and Kyle Gallivan. The synergetic effect of compiler, architecture, and manual optimizations on the performance of CFD on multiprocessors. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/025_KUBA/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

[KSB95]

Leonidas I. Kontothanassis, Michael L. Scott, and Riccardo Bianchini. Lazy release consistency for hardware-coherent multiprocessors. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/554_KTHA/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number

[Lab95]

415952) and IEEE (IEEE Computer Society Press order number FW07435).

Labarta:1995:NAT

Jesus Labarta. A novel approach towards automatic data distribution. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/437_JGAR/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

[LDCZ95]

Honghui Lu, Sandhya Dwarkadas, Alan L. Cox, and Willy Zwaenepoel. Message passing versus distributed shared memory on networks of workstations. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/586_HLU/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

[LF95]

John Z. Lou and Robert D.

Lou:1995:PIF

Ferraro. A parallel incompressible flow solver package with a parallel multigrid elliptic kernel. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/018_LOU/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Lilly:1995:UCA

[Lil95] H. Albert Lilly. The use of cellular automata in the classroom. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/482_ALIL/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Lumetta:1995:TMP

[LKC95] Steven S. Lumetta, Arvind Krishnamurthy, and David E. Culler. Towards modeling the performance of a fast connected components algorithm on parallel machines. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/465_SLUM/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Lund:1995:EAH

[LM+95] Craig Lund (moderator), José Muñoz (panelist), et al. Embedded applications for high performance computing. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/804_CL/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Mills:1995:LTK

[MFC+95] Kim Mills, Geoffrey Fox, Paul Coddington, Barbara Mihas, Marek Podgorny, Barbara Shelly, and Steven Bossert. The living textbook and the K-12 classroom of the future. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/620_KMIL/SC95.HTM. These proceedings are not available in printed form. However, they are available

on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Milosevich:1995:IST

- [Mil95] Sam Milosevich. Invited speaker: Thriving on information anxiety: A survival guide to the knowledge-value revolution. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/INVSPEAK.HTM#Milos>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Miller:1995:PPS

- [MPP⁺95] Craig Miller, David G. Payne, Thanh N. Phung, Herb Siegel, and Roy Williams. Parallel processing of spaceborne imaging radar data. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/012_PAYN/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Com-

[MPS95]

puter Society Press order number FW07435).

Messina:1995:WSS

Paul Messina, James C. T. Pool, and Thomas Sterling. Workshop: System software and tools for high-performance computing environments. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/WORKSHOP.HTM#Tools>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Makino:1995:ANS

[MT95]

Junichiro Makino and Makoto Taiji. Astrophysical N-body simulations on the GRAPE-4 special-purpose computer. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/721_JMAK/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Natarajan:1995:CSP

[NK95]

Ramesh Natarajan and Dilip

Krishnaswamy. A case study in parallel scientific computing: The boundary element method on a distributed-memory multicomputer. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/438_KRIS/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Nassersharif:1995:HCA

[NMkL⁺95] Bahram Nassersharif, Richard Marciano, Sui ky Ling, Eugene Ho, and Curt Edmonds. High-performance computing approaches for using the WWW to access a large-scale environmental dataset repository. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/545_RMAR/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Pancake:1995:ISE

[Pan95] Cherri Pancake. Invited speaker: The Emperor has no clothes:

What HPC users need to say and HPC vendors need to hear. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/INVSPEAK.HTM#Pancake>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Parker:1995:SAS

[PJ95]

Steven G. Parker and Christopher R. Johnson. SCIRun: A scientific programming environment for computational steering. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/499_SPAR/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Plevyak:1995:HEM

[PKZC95]

John Plevyak, Vijay Karamcheti, Xingbin Zhang, and Andrew A. Chien. A hybrid execution model for fine-grained languages on distributed memory multicomputers. In Karin [Kar95], page ?? ISBN

0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/590_JPLE/SC95. HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

[Por95]

Pakin:1995:HPM

[PLC95]

Scott Pakin, Mario Lauria, and Andrew Chien. High performance messaging on workstations: Illinois Fast Messages (FM) for Myrinet. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/567_SPAK/SC95. HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

[Rin95]

Pool:1995:WRI

[Poo95]

James C. T. Pool. Workshop: Research issues in scalable I/O. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/WORKSHOP.HTM#Scalable>. These proceedings are not available in printed form. However, they are

available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Porto:1995:PSC

Casey Porto. Pittsburgh Supercomputing Center High School Initiative in Computational Science Report on Findings School Years: 1991–92, 1992–93, 1993–94. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/568_CPOR/SC95. HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Rinard:1995:COP

Martin C. Rinard. Communication optimizations for parallel computing using data access information. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/539_MRIN/SC95. HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Com-

puter Society Press order number FW07435).

Ramachandran:1995:AME

- [RSS⁺95] Umakishore Ramachandran, Gautam Shah, Anand Sivasubramaniam, Aman Singla, and Ivan Yanasak. Architectural mechanisms for explicit communication in shared memory multiprocessors. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/561_GSHA/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Snoad:1995:MGC

- [SB95] Nigel Snoad and Terry Bossmailer. MONSTER — the ghost in the Connection Machine: Modularity of neural systems in theoretical evolutionary research. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/531_NSN0/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

[SBW95]

Smith:1995:TCF

Norris Parker Smith (moderator), Forest Baskett (panelist), and Irving Wladawski (panelist). Are tereflops commercial flops? In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/PANELS.HTM#Smith>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Schill:1995:ISJ

[Sch95]

John Schill. Invited speaker: Joint Task Force Advanced Technology Demonstration (JTF ATD). In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/INVSPEAK.HTM#Schill>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Seamons:1995:SCO

[SCJ⁺95]

K. E. Seamons, Y. Chen, P. Jones, J. Jozwiak, and M. Winslet. Server-directed collective I/O in Panda. In Karin [Kar95], page ?? ISBN

- 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/520_SEAM/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).
- [Smi95] **Smith:1995:WHA**
 Brian T. Smith. Workshop: HPF: A user's perspective. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/WORKSHOP.HTM#HPF>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).
- [SD95] **John:1995:WGN**
 Wallace B. St. John and David H. DuBois. Wide-area gigabit networking: Los Alamos HIPPI-SONET gateway. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/710_WSTJ/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).
- [S95] **Skordos:1995:PPS**
 Panayotis Skordos. Price and performance of simulating wind instruments. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/722_PSK0/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web,
- and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).
- [SS95] **Siegell:1995:CAG**
 Bruce S. Siegell and Peter A. Steenkiste. Controlling application grain size on a network of workstations. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/591_BSIE/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).
- [SSM⁺95] **Sterling:1995:PEC**
 Thomas Sterling, Daniel Savarese,

Peter MacNeice, Kevin Olson, Clark Mobarry, Bruce Fryxell, and Phillip Merkey. A performance evaluation of the Convex SPP-1000 scalable shared memory parallel computer. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/709_PMER/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Stewart:1995:HUC

[Ste95]

Kris Stewart. HPC undergraduate curriculum development at SDSU using SDSC resources. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/704_KSTE/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Bruggencate:1995:PIP

[tBC95]

Monika ten Bruggencate and Suresh Chalasani. Parallel implementations of the power system transient stability problem

on clusters of workstations. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/600_MBRU/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Teller:1995:MRT

[TD95]

Patricia J. Teller and Ted Dunning. Mobile robots teach machine-level programming. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/433_TELL/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Eyck:1995:SMI

[TMRP95]

Lynn F. Ten Eyck, Jeffrey Mandell, Victoria A. Roberts, and Michael E. Pique. Surveying molecular interactions with DOT. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/636_LTEN/SC95.HTM. These proceed-

ings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

[WB95]

Topham:1995:COD

[TRM⁺95]

Nigel Topham, Alasdair Rawsthorne, Callum McLean, Muriel Mewissen, and Peter Bird. Compiling and optimizing for decoupled architectures. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/471_TOPH/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

[WR95]

Villacis:1995:WIP

[VG95]

Juan Villacis and Dennis Gannon. A Web interface to parallel program source code archetypes. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/564_JVIL/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number

[Wra95]

415952) and IEEE (IEEE Computer Society Press order number FW07435).

Williams:1995:SFU

Alan Williams and Kevin Buggage. Surface fitting using GCV smoothing splines on supercomputers. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/494_ABW/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Waheed:1995:SAI

Abdul Waheed and Diane T. Rover. A structured approach to instrumentation system development and evaluation. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/609_WAHE/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Wray:1995:WEA

Francis Wray. Workshop: EU-

ROPORT activities. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/WORKSHOP.HTM#EUROPORT>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Wu:1995:HIS

[WS95]

Min-You Wu and Wei Shu. High-performance incremental scheduling on massively parallel computers — A global approach. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/477_WSHU/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Wu:1995:LES

[WSL95]

Xiaohua Wu, Kyle D. Squires, and Thomas S. Lund. Large eddy simulation of a spatially-developing boundary layer. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/428_SQUI/SC95.

HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Wulf:1995:NSR

[Wul95]

William A. Wulf. And now for some *really* super computing. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/KEYNOTE.HTM>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Yoshida:1995:QCS

[YNF+95]

M. Yoshida, A. Nakamura, M. Fukuda, T. Nakamura, and S. Hioki. Quantum chromodynamics simulation on NWT. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL http://www.supercomp.org/sc95/proceedings/720_MF/SC95.HTM. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Com-

puter Society Press order number FW07435).

Ziebarth:1995:CNA

- [Zie95a] John Ziebarth (moderator). Community networking I — applications. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/PANELS.HTM#CNetI>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).

Ziebarth:1995:CNI

- [Zie95b] John Ziebarth (moderator). Community networking II — technology. In Karin [Kar95], page ?? ISBN 0-89791-816-9. URL <http://www.supercomp.org/sc95/proceedings/MISC/PANELS.HTM#CNetII>. These proceedings are not available in printed form. However, they are available on the World Wide Web, and on CD-ROM, available from ACM (ACM Press order number 415952) and IEEE (IEEE Computer Society Press order number FW07435).