A Bibliography of Supercomputing '2002

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Abstract

This bibliography records articles presented at the Supercomputing '2002 conference.

Title word cross-reference

14.9 [SMSY02]. **16.4** [YIU+02].

240-Processor [WWF02]. **26.58** [STF+02]. **29.5** [MKFD02].

6 [MKFD02].

Accelerating [SLMW02].
Accelerator [SWK+02]. **ACM** [IEE02].
Active [TCH02]. **Advanced** [SWK+02].
Aggregate [HNA02]. **Algorithm** [OOS02].
AlphaServer [Wor02]. **Analysis** [DEHS02].
Application [dLR02].
Applications [VY02]. **Applying** [AZV+02].
Approach [BBC+02a].
Architecture [PTV02, LMN02].
Architectures [HD02]. **Archives** [CG02].
Array [PH02]. **Arrays** [CG02].
Artificial [KHLL02]. **Asserting** [VW02].
Atmospheric [STF+02].
Atomistic [KKN+02].
Automated [TCH02]. **Awareness** [PTV02].

Backbone [HIT+02]. **Baltimore** [IEE02].
bandwidth [EG02]. **Based** [PcC02].
Beowulf [WWF02]. **Better** [PH02].
between [PTV02].
Biomolecular [PZKK02].
BlueGene [AAA+02].
BlueGene/L [AAA+02].
Bounds [VDY+02]. **Bridge** [PTV02].

References

Adiga:2002:OBS

[AAA+02] N. R. Adiga, G. Almasi, G. S. Almasi, Y. Aridor, R. Barik, D. Beece, R. Bellofatto, G. Bhanot, R. Bickford, M. Blumrich, A. A. Bright, J. Brunheroto, C. Cacaval, J. Castaños, W. Chan, L. Ceze, P. Coteus, S. Chatterjee, D. Chen, G. Chiu, T. M. Cipolla, P. Crumley, K. M. Desai, A. Deutsch, T. Domany, M. B. Dombrowa, W. Donath, M. Eleftheriou, C. Erway, J. Esch, B. Fitch, J. Gagliano, A. Gara, R. Garg, R. Germain, M. E. Giampapa, B. Gopalsamy, J. Gunnels, M. Gupta, F. Gustavson, S. Hall, R. A. Haring, D. Heidel, P. Heidelberger, L. M. Herger, D. Hoenicke, R. D. Jackson, T. Jamal-Eddine, G. V. Kopcsay, E. Krevat, M. P. Kurhekar, A. P. Lanzetta, D. Lieber, L. K. Liu, M. Lu, M. Mendell, A. Misra, Y. Moatti, L. Mok, J. E. Moreira, B. J. Nathanson, M. Newton, M. Ohmacht, A. Oliner,

V. Pandit, R. B. Pudota, R. Rand, R. Regan, B. Rubin, A. Ruehli, S. Rus, R. K. Sahoo, A. Sanomiya, E. Schenfeld, M. Sharma, E. Shmueli, S. Singh, P. Song, V. Srinivasan, B. D. Steinmacher-Burow, K. Strauss, C. Surovic, R. Swetz, T. Takken, R. B. Tremaine, M. Tsao, A. R. Umamaheshwaran, P. Verma, P. Vranas, T. J. C. Ward, M. Wazlowski, W. Barrett, C. Engel, B. Drehmel, B. Hilgart, D. Hill, F. Kasemkhani, D. Krolak, C. T. Li, T. Liebsch, J. Marcella, A. Muff, A. Okomo, M. Rouse, A. Schram, M. Tubbs, G. Ulsh, C. Wait, J. Wittrup, M. Bae, K. Dockser, L. Kissel, M. K. Seager, J. S. Vetter, and K. Yates. An overview of the BlueGene/L supercomputer. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap207.pdf`.

Akcelik:2002:PMG

[ABG02] Volkan Akcelik, George Biros, and Omar Ghattas. Parallel multiscale Gauss–Newton–Krylov methods for inverse wave propagation. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap330.pdf`.

Acacio:2002:OPA

[AGGD02] Manuel E. Acacio, Jose Gonzalez, Jose M. Garcia, and Jose Duato. Owner prediction for accelerating cache-to-cache transfer misses in a cc-NUMA architecture. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap102.pdf`.

Andrade:2002:APG

[AKSS02] Henrique Andrade, Tahsin Kurc, Alan Sussman, and Joel Saltz. Active Proxy-G: Optimizing the query execution process in the grid. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap219.pdf`.

Athanasaki:2002:PST

[ASTK02] Maria Athanasaki, Aristidis Sotiropoulos, Georgios Tsoukalas, and Nectarios Koziris. Pipelined scheduling of tiled nested loops onto clusters of SMPs using memory mapped network interfaces. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap132.pdf`.

Ahn:2002:SAT

[AV02] Dong H. Ahn and Jeffrey S. Vetter. Scalable analysis techniques for microprocessor performance counter metrics. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap257.pdf`.

Annis:2002:ACV

[AZV+02] James Annis, Yong Zhao, Jens Voeckler, Michael Wilde, Steve Kent, and Ian Foster. Applying Chimera virtual data concepts to cluster finding in the Sloan Sky

Survey. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap299.pdf`.

Baumgartner:2002:HLA

[BBC+02a] Gerald Baumgartner, David E. Bernholdt, Daniel Cociorva, Robert Harrison, So Hirata, Chi-Chung Lam, Marcel Nooijen, Russell Pitzer, J. Ramanujam, and P. Sadayappan. A high-level approach to synthesis of high-performance codes for quantum chemistry. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap306.pdf`.

Bosilca:2002:MVT

[BBC+02b] George Bosilca, Aurelien Bouteiller, Franck Cappello, Samir Djilali, Gilles Fedak, Cecile Germain, Thomas Herault, Pierre Lemarinier, Oleg Lodygensky, Frederic Magniette, Vincent Neri, and Anton Selikhov. MPICH-V: Toward a scalable fault tolerant MPI for volatile nodes. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap298.pdf`.

Bailey:2002:HPC

[BBH+02] David H. Bailey, David Broadhurst, Yozo Hida, Xiaoye S. Li, and Brandon Thompson. High performance computing meets experimental mathematics. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap124.pdf`.

Baldridge:2002:QGI

[BGE+02] Kim K. Baldridge, Jerry P. Greenberg, Stephen T. Elbert, Stephen Mock, and Philip Papadopoulos. QMView and GAMESS: Integration into the World Wide Computational Grid. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap141.pdf`.

Bhardwaj:2002:SSS

[BPR+02] Manoj Bhardwaj, Kendall Pierson, Garth Reese, Tim Walsh, David Day, Ken Alvin, James Peery, Charbel Farhat, and Michel Lesoinne. Salinas: A scalable software for high-performance structural and solid mechanics simulations. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap216.pdf`.

Bustamante:2002:SDS

[BWS02] Fabian E. Bustamante, Patrick Widener, and Karsten Schwan. Scalable directory services using proactivity. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap202.pdf`.

Chervenak:2002:GFC

[CDF+02] Ann Chervenak, Ewa Deelman, Ian Foster, Leanne Guy, Wolfgang Hoschek, Adriana

Iamnitchi, Carl Kesselman, Peter Kunszt, Matei Ripeanu, Bob Schwartzkopf, Heinz Stockinger, Kurt Stockinger, and Brian Tierney. Giggle: A framework for constructing scalable replica location services. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap239.pdf`.

Colarelli:2002:MAI

[CG02] Dennis Colarelli and Dirk Grunwald. Massive arrays of idle disks for storage archives. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap312.pdf`.

Chiu:2002:PMM

[CGG02] Kenneth Chiu, Madhusudhan Govindaraju, and Dennis Gannon. The Proteus Multiprotocol Message Library. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap315.pdf`.

Dail:2002:DSA

[DCB02] Holly Dail, Henri Casanova, and Fran Berman. A decoupled scheduling approach for the GrADS program development environment. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap229.pdf`.

DeRose:2002:SSI

[DEHS02] Luiz DeRose, K. Ekanadham, Jeffrey Hollingsworth, and Simone Sbaraglia. SIGMA: A simulator infrastructure to guide memory analysis. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap191.pdf`.

Karniadakis:2002:DLP

[DK02] Suchuan Dong and George Em. Karniadakis. Dual-level parallelism for deterministic and stochastic CFD problems. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap137.pdf`.

Lu:2002:CAS

[dLR02] Charng da Lu and Daniel A. Reed. Compact application signatures for parallel and distributed scientific codes. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap244.pdf`.

Dunigan:2002:TTD

[DMT02] Tom Dunigan, Matt Mathis, and Brian Tierney. A TCP tuning daemon. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap151.pdf`.

Eberle:2002:SHB

[EG02] Hans Eberle and Nils Gura. Separated high-bandwidth and low-

latency communication in the cluster interconnect Clint. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap259.pdf`.

El-Ghazawi:2002:UPP

[EGC02] Tarek El-Ghazawi and François Cantonnet. UPC performance and potential: A NPB experimental study. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap316.pdf`.

Frachtenberg:2002:SLF

[FPF+02] Eitan Frachtenberg, Fabrizio Petrini, Juan Fernandez, Salvador Coll, and Scott Pakin. STORM: Lightning-fast resource management. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap297.pdf`.

Gopalan:2002:IRL

[GcC02] Kartik Gopalan and Tzi cker Chiueh. Improving route lookup performance using network processor cache. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap272.pdf`.

Li:2002:NSA

[GL02] Laura Grigori and Xiaoye S. Li. A new scheduling algorithm for parallel sparse LU factorization with static pivoting. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap139.pdf`.

Hariharan:2002:SPF

[HAS02] Bhanu Hariharan, Srinivas Aluru, and Balasubramaniam Shanker. A scalable parallel fast multipole method for analysis of scattering from perfect electrically conducting surfaces. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap295.pdf`.

Ding:2002:MOP

[HD02] Yun He and Chris H. Q. Ding. MPI and OpenMP paradigms on cluster of SMP architectures. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap325.pdf`.

Hiraki:2002:DRU

[HIT+02] Kei Hiraki, Mary Inaba, Junji Tamatsukuri, Ryutaro Kurusu, Yukichi Ikuta, Hisashi Koga, and Akira Zinzaki. Data reservoir: Utilization of multi-gigabit backbone network for data-intensive research. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap327.pdf`.

Hacker:2002:ESP

[HNA02] Thomas J. Hacker, Brian D. Noble, and Brian D. Athey. The effects of systemic packet loss on aggregate TCP flows. In

IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap270.pdf`.

Hoschek:2002:WSD

[Hos02] Wolfgang Hoschek. The Web Service Discovery Architecture. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap161.pdf`.

IEEE:2002:STI

[IEE02] IEEE, editor. *SC2002: From Terabytes to Insight. Proceedings of the IEEE ACM SC 2002 Conference, November 16–22, 2002, Baltimore, MD, USA*. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 2002. ISBN 0-7695-1524-X. LCCN ????

Kim:2002:UDC

[KHLL02] Seung Jo Kim, Joon-Seok Hwang, Chang Sung Lee, and Sangsan Lee. Utilization of departmental computing GRID system for development of an artificial intelligent tapping inspection method, tapping sound analysis. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap167.pdf`.

Kikuchi:2002:CSG

[KKN+02] Hideaki Kikuchi, Rajiv K. Kalia, Aiichiro Nakano, Priya Vashishta, Hiroshi Iyetomi, Shuji Ogata, Takahisa Kouno, Fuyuki Shimojo, Kenji Tsuruta, and Subhash Saini. Collaborative simulation grid: Multiscale quantum-mechanical/classical atomistic simulations on distributed PC clusters in the US and Japan. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap111.pdf`.

Lee:2002:MDA

[LGST02] Jason Lee, Dan Gunter, Martin Stoufer, and Brian Tierney. Monitoring data archives for grid environments. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap234.pdf`.

Lee:2002:IOG

[LMN02] William Lee, Anthony Mayer, and Steven Newhouse. ICENI: An Open Grid Service Architecture implemented with Jini. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap253.pdf`.

Mazzucco:2002:MMD

[MAG+02] Marco Mazzucco, Asvin Ananthanarayan, Robert L. Grossman, Jorge Levera, and Gokulnath B. Rao. Merging multiple data streams on common keys over high performance networks. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap213.pdf`.

Makino:2002:TSP

[MKFD02] Junichiro Makino, Eiichiro Kokubo, Toshiyuki Fukushige, and Hiroshi Daisaka. A 29.5 Tflops simulation of planetesimals in Uranus-Neptune region on GRAPE-6. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap146.pdf`.

Malard:2002:DDH

[MS02] J. M. Malard and R. D. Stewart. Distributed dynamic hash tables using IBM LAPI. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap247.pdf`.

Noordergraaf:2002:SSI

[NZ02] Lisa Noordergraaf and Robert Zak. SMP system interconnect instrumentation for performance analysis. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap158.pdf`.

Otoo:2002:DCR

[OOS02] Ekow J. Otoo, Frank Olken, and Arie Shoshani. Disk cache replacement algorithm for storage resource managers in data grids. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap322.pdf`.

Pradhan:2002:IEQ

[PcC02] Prashant Pradhan and Tzi cker Chiueh. Implementation and evaluation of a QoS-capable cluster-based IP router. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap320.pdf`.

Pierce:2002:IWS

[PFY+02] Marlon Pierce, Geoffrey Fox, Choonhan Youn, Steve Mock, Kurt Mueller, and Ozgur Balsoy. Interoperable Web services for computational portals. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap284.pdf`.

Pike:2002:BTA

[PH02] Geoff Pike and Paul N. Hilfinger. Better tiling and array contraction for compiling scientific programs. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap260.pdf`.

Parello:2002:IAA

[PTV02] David Parello, Olivier Temam, and Jean-Marie Verdun. On increasing architecture awareness in program optimizations to bridge the gap between peak and sustained processor performance – matrix-multiply revisited. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap107.pdf`.

Phillips:2002:NBS

[PZKK02] James C. Phillips, Gengbin Zheng, Sameer Kumar, and

Laxmikant V. Kalé. NAMD: Biomolecular simulation on thousands of processors. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap277.pdf`.

Radovic:2002:ESN

[RH02] Zoran Radovic and Erik Hagersten. Efficient synchronization for nonuniform communication architectures. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap221.pdf`.

Rauber:2002:LSH

[RR02] Thomas Rauber and Gudula Rünger. Library support for hierarchical multi-processor tasks. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap176.pdf`.

Snavely:2002:FPM

[SCW+02] Allan Snavely, Laura Carrington, Nicole Wolter, Jesus Labarta, Rosa Badia, and Avi Purkayastha. A framework for performance modeling and prediction. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap201.pdf`.

Spencer:2002:EMP

[SFB+02] Matthew Spencer, Renato Ferreira, Michael Beynon, Tahsin Kurc, Umit Catalyurek, Alan Sussman, and Joel Saltz. Executing multiple pipelined data analysis operations in the grid. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap258.pdf`.

Sistare:2002:UHP

[SJ02] Steven J. Sistare and Christopher J. Jackson. Ultra-high performance communication with MPI and the Sun Fire(^{TM}) link interconnect. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap142.pdf`.

Stamatakis:2002:APM

[SLMW02] Alexandros P. Stamatakis, Thomas Ludwig, Harald Meier, and Marty J. Wolf. Accelerating parallel maximum likelihood-based phylogenetic tree calculations using subtree equality vectors. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap113.pdf`.

Sakagami:2002:TTD

[SMSY02] Hitoshi Sakagami, Hitoshi Murai, Yoshiki Seo, and Mitsuo Yokokawa. 14.9 TFLOPS three-dimensional fluid simulation for fusion science with HPF on the Earth Simulator. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap147.pdf`.

Shingu:2002:TGA

[STF+02] Satoru Shingu, Hiroshi Takahara, Hiromitsu Fuchigami, Masayuki Yamada, Yoshinori Tsuda, Wataru Ohfuchi, Yuji Sasaki, Kazuo Kobayashi, Takashi Hagiwara, Shin ichi Habata, Mitsuo Yokokawa, Hiroyuki Itoh, and Kiyoshi Otsuka. A 26.58 Tflops global atmospheric simulation with the spectral transform method on the Earth Simulator. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap331.pdf`.

Swany:2002:MRP

[SW02] Martin Swany and Rich Wolski. Multivariate resource performance forecasting in the Network Weather Service. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap292.pdf`.

Schussman:2002:AVT

[SWK+02] Greg Schussman, Brett Wilson, Kwok Ko, Ji Qiang, Robert Ryne, and Kwan-Liu Ma. Advanced visualization technology for terascale particle accelerator simulations. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap224.pdf`.

Sterling:2002:GMP

[SZ02] Thomas L. Sterling and Hans P. Zima. Gilgamesh: A multithreaded processor-in-memory architecture for petaflops computing. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap105.pdf`.

Tapus:2002:AHT

[TCH02] Cristian Tăpuş, I-Hsin Chung, and Jeffrey K. Hollingsworth. Active Harmony: Towards automated performance tuning. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap138.pdf`.

Traff:2002:IMP

[Tra02] Jesper Larsson Traff. Implementing the MPI process topology mechanism. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap122.pdf`.

Teranishi:2002:NDM

[TRN02] Keita Teranishi, Padma Raghavan, and Esmond Ng. A new data-mapping scheme for latency-tolerant distributed sparse triangular solution. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL `http://www.sc-2002.org/paperpdfs/pap.pap238.pdf`.

Vuduc:2002:POB

[VDY+02] Richard Vuduc, James W. Demmel, Katherine A. Yelick, Shoaib Kamil, Rajesh Nishtala, and Benjamin Lee. Performance optimizations and bounds for sparse matrix-vector multiply. In IEEE

[IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL http://www.sc-2002.org/paperpdfs/pap.pap317.pdf.

Vetter:2002:APE

[VW02] Jeffrey S. Vetter and Patrick H. Worley. Asserting performance expectations. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL http://www.sc-2002.org/paperpdfs/pap.pap275.pdf.

Vetter:2002:EPE

[VY02] Jeffrey S. Vetter and Andy Yoo. An empirical performance evaluation of scalable scientific applications. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL http://www.sc-2002.org/paperpdfs/pap.pap222.pdf.

Wolf:2002:SPS

[WCHS02] Matthew Wolf, Zhongtang Cai, Weiyun Huang, and Karsten Schwan. SmartPointers: Personalized scientific data portals in your hand. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL http://www.sc-2002.org/paperpdfs/pap.pap304.pdf.

Bland:2002:EEI

[WDF+02] P. H. Worley, T. H. Dunigan, Jr., M. R. Fahey, J. B. White III, and A. S. Bland. Early evaluation of the IBM p690. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL http://www.sc-2002.org/paperpdfs/pap.pap196.pdf.

Worley:2002:SUC

[Wor02] Patrick H. Worley. Scaling the unscalable: A case study on the AlphaServer SC. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL http://www.sc-2002.org/paperpdfs/pap.pap155.pdf.

Warren:2002:HDC

[WWF02] Michael S. Warren, Eric H. Weigle, and Wu-Chun Feng. High-density computing: A 240-processor Beowulf in one cubic meter. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL http://www.sc-2002.org/paperpdfs/pap.pap210.pdf.

Ishihara:2002:TDN

[YIU+02] Mitsuo Yokokawa, Ken'ichi Itakura, Atsuya Uno, Takashi Ishihara, and Yukio Kaneda. 16.4 Tflops direct numerical simulation of turbulence by Fourier spectral method on the Earth Simulator. In IEEE [IEE02], page ?? ISBN 0-7695-1524-X. LCCN ???? URL http://www.sc-2002.org/paperpdfs/pap.pap273.pdf.