S. LENNART JOHNSON

Invited Presentations

May 2003

2003


"STAC: SNIC's Strategic Technology Advisory Committee", SweGrid, Uppsala, April 9, 2003.


"TLC² Infrastructure Efforts and Grid Esearch", Texas Learning and Computation Center Bioimaging Initiative, Houston, TX, February 18, 2003.


2002


"The Texas Learning and Computation Center", College of Engineering, University of Houston, July 12, 2002.


"Texas learning and Computation Center: Grid Research", University of Houston Board Meeting, April 30, 2002.


"Data and Computation Grids", The Texas Telecommunications Infrastructure Fund, Houston, TX, March 1, 2002.


"Grid Projects", Center for Scientific Computing, Helsinki, February 4, 2002

"Computing: The Next Decade", Keck Center for Computational Biology, Houston, TX, February 1, 2002.


2001


2000


"SimDB: A Problem Solving Environment for Molecular Dynamics Simulation and Analysis”, First European Grid Forum, Poznan, Poland, April 11 - 13, 2000.

1999

"Two Decades of Parallel Computation”, PDC Ten Year Anniversary, Stockholm, October 18, 1999.


"Component Library Design”, The Los Alamos Computer Science Institute, Santa Fe, New Mexico, June 6 – 8, 1999.


"Problem Solving Environments for Large-Scale Simulations”, NPACI High–End Data Base workshop, San Diego, April 7 – 9, 1999.


1998


"The UHFFT package”, Alliance Workshop, Rice University, Houston, TX, December 10 – 11, 1998.

"Learner–Centered Multimedia Explorations for the New Millennium”, UH Eighth Annual Scholarship and Community Conference, University of Houston, Houston, TX, October 7, 1998.


“Molecular Dynamics Trajectory Databases”, NSF Workshop on Interfaces to Scientific Data Archives, Caltech, March 24 - 27, 1998.

“Scientific Supercomputing: Making high-performance parallel computers deliver on their promise of high performance”, seminar, Department of Mechanical Engineering, University of Houston, March 5, 1998.

“Computational Science and Engineering and Technology Exponentials”, KDI workshop, Rice University, March 2, 1998.

1997


1996


“Parallel Multipole N–body Algorithms”, Department of Mathematics, University of Houston, Houston, November 13, 1996.

“ROMM Routing”, Texas Instruments, Houston, October 1, 1996.

“Computational Science”, W.M. Keck Center for Computational Biology, Keck Annual Retreat, Galveston, Texas, September 13, 1996.


1995


1994

“Scientific Supercomputing: Making MPPs deliver on their promise of high performance”, the Parallel Computation Center Annual Symposium, the Royal Institute of Technology, Stockholm, Sweden, December 15 – 16, 1994.


“Load–Balanced LU and QR Factor and Solve Routines for Scalable Processors with Scalable I/O”, 14th IMACS World Congress, Parallel Linear Algebra, July 11 – 15, Atlanta, Georgia, 1994.


“Scientific Supercomputing: Making MPP’s deliver on their promise of high performance”, the University of Houston, Houston, Texas, May 26, 1994.


1993


“Scientific Libraries on Scalable Architectures”, University of Maryland, College Park, Maryland, November 18, 1993.


“Scientific Libraries on Scalable Architectures”, Scalable Parallel Libraries Conference, Mississippi State University, Starkville, Mississippi, October 6 – 8, 1993.


“Massively Parallel Computing”, Workshop on Future Directions for Parallel Optimization, April 30 – May 1, New Brunswick, New Jersey, 1993.

“Mathematical Software Libraries for HPF”, ARPA/CSTO High Performance Software Meeting, Norfolk,


1991


“Scientific Libraries for Scalable Architectures”, Distinguished Lecturer, the Minnesota Supercomputer Institute, University of Minnesota, Minneapolis, Minnesota, October 2, 1991.

“Techniques for Efficient Data Motion in Large Scale Distributed Memory Systems”, Workshop on Interconnection Networks, Marseille, France, July 15 – 19, 1991.


1990


“Teraflop computation: Distributed and Shared Memory”, Workshop on Acceleration Algorithms, Boston University, Boston, Massachusetts, April 13, 1990.


1989


“Graph Embeddings on Hypercubes”, University of Chicago, Department of Computer Science, October 2, 1989.

“Graph Embeddings on Hypercubes, NEC Research Institute, Princeton, September 25, 1989.


“Graph Embeddings on Hypercubes”, University of Tulsa, Tulsa, September 21, 1989.


“Graph Embeddings on Hypercubes”, Brown University, Providence, RI, August 10, 1989.


1988


“Data Parallel Supercomputing”, the John von Neumann Center, Princeton, New Jersey, August 1988


“Fluent Architectures”, the Third International Conference on Supercomputing, May 1988, Boston

“Fluent Communications”, the Third International Conference on Supercomputing, May 1988, Boston


1987


“Optimizing Basic Linear Algebra routines and Fast PDE Solvers for Parallel Architectures”, IMACS, June 23 – 26, 1987, Bethlehem, PA.


1986


Cambridge, MA.


“Massively Parallel Computation: Experience with the Connection Machine”, Yale University, September 18, 1986, New Haven, CT.

“Modern Computer Architectures”, Lecture series at The Institute for Mathematics and its Applications, University of Minnesota, August 27-18, 1986, Minneapolis, MN.


1980 – 1985


