

**PRESS RELEASE**

---



**Contacts:**

**HPC Advisory Council**

Brian Sparks

408-970-3400

[info@hpcadvisorycouncil.com](mailto:info@hpcadvisorycouncil.com)

**HPC Advisory Council Announces World's Fastest 120Gb/s  
Networking Demonstration During SC09**

*HPC Advisory Council gains significant traction within the HPC community, expanding to over 110-members world-wide*

**SC09, PORTLAND, OR. – November 16, 2009** – The HPC Advisory Council, a leading organization for high-performance computing research, outreach and education, today announced the largest demonstration of the industry's fastest network during the SC09 conference (Nov.16-20) in Portland, Oregon --120Gb/s InfiniBand over SC09's massive conference network - SCinet. The 120Gb/s demonstration will connect 23 exhibitors on the SC09 showroom floor for demonstrating leading solutions and technologies for high-performance computing such as MPI application offloads and high-speed visualization that will enable real-time 3D navigation of full-scale automotive CAD models. Coupled with a high-resolution portable immersive system, the demonstration will allow visitors to literally walk in unedited automotive CATIA (Computer Aided Three-dimensional Interactive Application) models composed of millions of polygons.

The following HPC Council member organizations have contributed and are participating in the 120Gb/s InfiniBand SCinet demonstration: AMD, Avago, Colfax Intl, Dell, HP, IBM, InfiniBand Trade Association, Koi Computers, LSI, Los Alamos National Laboratory, Luxtera, Mellanox Technologies, Microsoft, NVIDIA, Oak Ridge National Laboratory, RAID, Scalable Graphics, SGI, Sun Microsystems, Texas Advanced Computing Center, The University of Utah Center for High-Performance Computing, and Voltaire.

“Delivering the industry’s highest 120Gb/s bandwidth network demonstration at such a large scale would not have been possible without the support of many of the members in the organization,” said Gilad Shainer, chairman of the HPC Advisory Council. “One of the HPC Advisory Council’s missions is to demonstrate world-leading HPC technologies, and as we did at SC08 and ISC’09. We are happy to continue and showcase the next generation of HPC systems at SC09 and look forward to future demonstrations, workshops, and continuing the Council’s missions through the collaboration between our hardware and software vendors and end-user membership.”

“With their ongoing worldwide HPC workshops and large ecosystem demonstrations, IDC believes the HPC Advisory Council’s efforts around the globe will not only help accelerate the development of HPC technologies, but also broaden the HPC adoption,” said Jie Wu, Research Manager, Technical Computing, at IDC. “As more organizations continue to participate in the council’s activities and contribute their knowledge and expertise to create best practices in many different areas, it will ultimately benefit the entire HPC community.”

### **Visit the HPC Advisory Council during SC09**

Visit the HPC Advisory Council during SC09, booth#357, to see the live 120Gb/s InfiniBand demonstration and to learn more on the Council’s activities.

The HPC Advisory Council semi-annual members meeting will also take place on Wednesday, November 18<sup>th</sup>, 5:30 – 6:45 PM, room PB252 at the Oregon Convention Center, Portland, Oregon. The meeting will provide members with an opportunity to learn about the recent council projects and activities, to review and discuss future plans and directions, to network with each other, as well as provide an open forum for members to discuss HPC community involvement. To register, please go to [http://www.hpcadvisorycouncil.com/events/sc09\\_meeting](http://www.hpcadvisorycouncil.com/events/sc09_meeting).

### **About the HPC Advisory Council**

The HPC Advisory Council’s mission is to bridge the gap between high-performance computing (HPC) use and its potential, bring the beneficial capabilities of HPC to new users for better research, education, innovation and product manufacturing, bring users the expertise needed to operate HPC systems, provide application designers with the tools needed to enable parallel computing, and to strengthen the qualification and integration

of HPC system products. For more information about the HPC Advisory Council, please visit <http://www.hpcadvisorycouncil.com>.

### **About SC09**

SC09, sponsored by ACM (Association for Computing Machinery) and the IEEE Computer Society, offers a complete technical education program and exhibition to showcase the many ways high performance computing, networking, storage and analysis lead to advances in scientific discovery, research, education and commerce. This premier international conference includes a globally attended technical program, workshops, tutorials, an exhibit area, demonstrations and hands-on learning. The SC conference series is among Tradeshow Week magazine's Top 200 events. For more information on SC09, please visit <http://sc09.supercomputing.org/>.

Council Members include: Ace Computers, Advanced Clustering Technologies, Allinea Software, Altair Engineering, AMD, ANSYS, Inc., Appro, Ashley Pittman, ATK Space Systems, Auburn University, Avago Technologies, Bay Microsystems, Blue Ridge Numerics, Centre For Development of Advanced Computing (C-DAC), CIMCORP INFORMATICA SA, C.S.I.R.O, CD-adapco, Clustercorp, Colfax International, Corning Cable Systems, Cornell University Center for Advanced Computing, DataDirect Networks, Dawning Information Industry, Dell, Dildy Enterprises, Digital Waves, Diglio A. Simoni, Evergrid, Eyescale Software GmbH, Federal University of Rio de Janeiro, Fermi National Accelerator Laboratory, GigaSpaces Technologies, Gnodal, GraphStream Incorporated, The George Washington University, HCL Infosystems, HP, HPCTech Corporation, IBRIX, IBSwitches.com, Inspur, Institute of Network and Information Security, Intel, Interactive Supercomputing, InterSect360 Research, The Israeli Association of Grid Technologies (IGT), Kinder Morgan CO2, Kirchhoff-Institute of Physics, Ruprecht-Karls University, Koi Computers Inc., Lamprey Networks, Lawrence Livermore National Laboratory, Livermore Software Technology Corporation, Locuz Enterprise Solutions Limited, LSI Corporation, Luxtera, McGill University, Mellanox Technologies, Microsoft, Microway, University of Minnesota, Montana State University, National Research Center for Intelligent Computing Systems (NCIC), NEC Corporation of America, Netweb Technologies, Network Equipment Technologies, Numerical Algorithms Group, NVIDIA, Oak Ridge National Laboratory, Obsidian Strategies, OCF plc, Ohio State University, Panasas, ParTec Cluster Competence Center GmbH, PCPC Direct, Penguin Computing, Platform Computing, Queen's University, Quellan/Intersil, Quix Computerware AG, RAID, Inc., RNA networks, SGI, Scalable Graphics, Scalable Informatics, ScaleMP, Schlumberger, Scientific Computing, Silicon Mechanics, Simula Research Laboratory, SoftModule, StreamScale, Sun Microsystems, Supermicro, Swiss National Supercomputing Centre CSCS, System Fabrics Works, Terascale, Texas Advanced Computing Center, The Victorian Partnership for Advanced Computing, Transtec AG, TOTAL E&P Research and Technology USA, T-Platforms, Tycrid, Virginia Tech University, Voltaire, VXTECH, University of Wisconsin Madiso, W.L. Gore & Associates, Wipro InfoTech, Wolfram Research, XLsoft China, Z Research, Sharan Kalwani, Global HPC Architect

###