

PRESS RELEASE



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HPC Advisory Council Showcases Multivendor 120Gb/s Network Demonstration at ISC'10

Adds Intel-based Dell Platform System “Maia” to its High-Performance Center

ISC'10 Hamburg, Germany – June 1, 2010 – 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 ISC’10 conference (May 31st – June 3rd) in Hamburg, Germany. The 120Gb/s InfiniBand demonstration will connect participating exhibitors on the ISC’10 showroom floor for demonstrating leading solutions and technologies for high-speed visualization. The demo will shed light on the 4,500-year-old Khufu Pyramid mystery using a real-time, 3D simulation. A small cluster will recreate the Kheops construction site, exactly as it was 4,500 years ago. The demo will merge real and virtual worlds via an interactive 3D experience on the ISC10 show floor.

The following HPC Council member organizations have contributed and are participating in the 120Gb/s InfiniBand ISCnet demonstration: AMD, Avago, Corning Cables Systems, Dell, Emcore, Finisar, Luxtera, Mellanox, Microsoft, NVIDIA, Scalable Graphics, Tyco, and Zarlink

In addition, the HPC Advisory Council announced the addition of “Maia” to its High-Performance Center. The Maia cluster, based on Dell™ PowerEdge™ M610, Intel® Xeon® X5670 processors and Mellanox ConnectX®-2 40Gb/s InfiniBand adapters and IS5000 switches, is now available through the Council’s High-Performance Center. The

new system enriches the HPC Advisory Council High-Performance Center with next generation Intel processors and CORE-Direct™ MPI collectives offload capability from Mellanox Technologies, allowing Council members to further extend application research, development and best practices to new areas. The new system, located in Sunnyvale, California, provides local and remote access for users. Remote access can be requested at http://www.hpcadvisorycouncil.com/cluster_center.php.

“The HPC Advisory Council is committed to furthering HPC outreach and enhancing education through various activities such as demonstrations that showcase the next generation of HPC technologies and usage,” said Gilad Shainer, HPC Advisory Council Chairman. “With the main goal of creating best practices within compute-intensive market segments, the new Maia cluster from Intel and Dell will enable end-users to benchmark their applications on industry-standard HPC environments. Furthermore, the ISCnet demonstration provides a great opportunity for the ISC’10 attendees to see the latest clustering technologies and new capabilities for high visualization rendering applications.”

The HPC Advisory Council High-Performance Center provides a unique ability to access the latest systems, CPU, and networking technologies, even before it reaches the public availability. Its six systems provide a comprehensive development testing and tuning environment for various applications and environments.

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 www.hpcadvisorycouncil.com.

Council Members include: 3M, 451 Group, Ace Computers, Advanced Cluster Systems, Advanced Clustering Technologies, Allinea Software, Altair Engineering, AMD, ANSYS, Inc., Appro, Ashley Pittman, ATK Space Systems, ATP Electronics, Auburn University, Avago Technologies, Bay Microsystems, Blue Ridge Numerics, Bright Computing, BroadGroup, Centre For Development of Advanced Computing (C-DAC), Centre For High Performance Computing, CIMCORP INFORMATICA SA, C.S.I.R.O, CD-adapco, Clustercorp, ClusterVision, Codeplay Software, Colfax International, Colt Technology Services, 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, Gabriel Consulting Group, GigaSpaces Technologies, Gnodal, GraphStream Incorporated, The George Washington University, HCL Infosystems, HP, HPCTech Corporation, IBRIX, IBSwitches.com, Inspur, Institute of Network and Information Security, Intrumental, Intalio, Intel, InterSect360 Research, IT Brand Pulse, The Israeli Association of Grid Technologies (IGT), Kinder Morgan CO2, Kirchhoff-Institute of Physics, Ruprecht-Karls University, Koi Computers Inc., Lamprey Networks, Lawrence Berkeley National Laboratory / NERSC, Lawrence Livermore National Laboratory, Livermore Software Technology Corporation, Locuz Enterprise Solutions Limited, LSI Corporation, Luxtera, Magma Design Automation, McGill University, Mellanox Technologies, Microsoft, Microway, University of Minnesota, Montana State University, National Research Center for Intelligent Computing Systems (NCIC), NEC Corporation of America, NET Consult, Netweb Technologies, Network Equipment Technologies, Numerical Algorithms Group, NVIDIA, Oak Ridge National Laboratory, Obsidian Strategics, OCF plc, Ohio State University, Panasas, ParTec Cluster Competence Center GmbH, PCPC Direct, Peking University, Penguin Computing, Platform Computing, Pro SYS, Queen's University, Quellan/Intersil, Quix Computerware AG, RAID, Inc., RNA networks, SGI, Scalable Graphics, Scalable Informatics, ScaleMP, Schlumberger, Science + Computing ag, Scientific Computing, Silicon Mechanics, Simula Research Laboratory, SoftModule, StreamScale, Stony Brook University, Sumisho Computer Systems, 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, University of Ljubljana, University of Utah Center for High Performance Computing, University of Wyoming, Versatus HPC, Virginia Tech University, Virtual Machine Company, VMware, Voltaire, VXTECH, University of Wisconsin Madison, W.L. Gore & Associates, Wipro InfoTech, Wolfram Research, XLsoft China, Z Research

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