

PRESS RELEASE



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HPC Advisory Council's High-Performance Center Adds AMD Opteron™ 6000 Series Platform-based System

Contributed by AMD and Mellanox Technologies, the New System Provides Open Access to Application Expertise and Development

SUNNYVALE, CALIF. – April 13, 2010 – The HPC Advisory Council, a leading organization for high-performance computing research, outreach and education, today announced that a new compute cluster based on the AMD (NYSE: AMD) Opteron™ 6000 Series platform (code name “Magny Cours”) and Mellanox (NASDAQ: MLNX; TASE: MLNX) 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 the latest CPUs from AMD 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 High-Performance Center offers a unique environment for developing, testing, benchmarking and optimizing solutions based on clustering technology,” said Gilad Shainer, HPC Advisory Council Chairman. “This new contribution from AMD and Mellanox Technologies helps us to keep the center updated with recently introduced technologies and enables our members to explore solutions that deliver the next phase of high-performance computing.”

“AMD is fully committed to support the HPC Advisory Council’s research activities such as application best practices, the role of virtualization in high-performance computing, power efficiency, cloud computing, and more,” said Gina Longoria, director, Server Product Management, AMD. “As we continue to work with the HPC Advisory Council to demonstrate innovative approaches using AMD technology, we are delighted to introduce the industry’s only twelve-core x86 processor-based systems available today for the benefit of council members and the entire HPC user community.”

“To meet the requirements of future scientific research, advanced networking needs to offload as much as possible from the processors to increase efficiency and CPU availability for high application performance,” said John Monson, vice president of marketing at Mellanox Technologies. “We are happy to donate Mellanox 40Gb/s InfiniBand adapters and switches that provide *CORE-Direct* collectives offload technology, the first complete solution to offload HPC application synchronization protocols, and to continue our work with the Council to explore and expand usage cases for our leading server and storage connectivity solutions.”

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: 451 Group, Ace Computers, Advanced Cluster Systems, 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, Bright Computing, Centre For Development of Advanced Computing (C-DAC), Centre For High Performance Computing, CIMCORP INFORMATICA SA, C.S.I.R.O, CD-adapco, Clustercorp, Codeplay Software, 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, 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, Instrumental, 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, Tycriid, University of Utah Center for High Performance Computing, University of Wyoming, Versatus HPC, Virginia Tech University, Voltaire, VXTECH, University of Wisconsin Madison, W.L. Gore & Associates, Wipro InfoTech, Wolfram Research, XLsoft China, Z Research

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