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.

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