

## PRESS RELEASE

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### **HPC Advisory Council Announces Winner of 2010 University Award Program**

*Proposals for 2011 HPC Advisory Council University Award Program Now Open*

**SC'10, New Orleans, LA. – Nov 15, 2010** – The HPC Advisory Council, a leading worldwide organization for high-performance computing research, development, outreach and education, today announced that Xiangqian Hu from Duke University has received the prestigious [HPC Advisory Council 2010 University Award](#) for advanced research in the subject area of high-performance computing. One of the HPC Advisory Council's main activities is community and education outreach. The University Award program is an outgrowth of this, and is intended to enhance students' computing knowledge-base.

“With the goal to develop a new fragment-based approach to simulate liquid water, Mr. Hu's submission ‘Massively Parallel Quantum Mechanical Simulations for Liquid Water’ stood out amongst all of the submissions,” said Gilad Shainer, chairman of the HPC Advisory Council. “We congratulate Mr. Hu and look forward to providing him the tools and cluster resources necessary to complete his research. We look forward to reviewing proposals for 2011, and working with the winners to highlight their research and further advances in HPC technology and education.”

Twice a year, the HPC Advisory Council will select worthy proposals allowing winners to benefit from a range of the council's resources and events, including the opportunity to present their final research results to a wider audience. Proposals for the 2011 HPC Advisory Council University Award Program can be submitted between Nov. 1, 2010

through May 31st, 2011. The selected proposal(s) will be determined by June 19th and the winner(s) will be notified.

“The council award program was designed to enrich world-wide university research activities by utilizing and maximizing the high-performance computing capabilities and the council’s expertise,” said Cydney Stevens, HPC Advisory Council Research Steering Committee Director. “We congratulate Mr. Hu and encourage others to submit their research proposals for the 2011 award.”

The HPC Advisory Council University Award winners will be provided with the following benefits:

1. Exclusive computation time on the HPC Advisory Council’s Compute Center
2. Invitation to present the research results at one of the HPC Advisory Council’s worldwide workshops, including sponsorship of travel expenses (according to the Council Award Program rules)
3. Publication of the research results on the HPC Advisory Council website and related publications
4. Publication of the research results and a demonstration, if applicable, within the HPC Advisory Council world-wide technology demonstration activities

For more information and registration, please visit the [HPC Advisory Council website](#).

### **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](http://www.hpcadvisorycouncil.com).

Council Members include: 3M, 451 Group, Ace Computers, AccelerEyes, Advanced Cluster Systems, Advanced Clustering Technologies, Alces Software, Allinea Software, Altair Engineering, AMAX, AMD, ANSYS, Inc., Appro, Ashley Pittman, ATK Space Systems, ATP Electronics, Auburn University, Avago Technologies, Bay Microsystems, Blue Arc, Blue Ridge Numerics, Bright Computing, BroadGroup, Brocade, CAPS enterprise, Centre For Development of Advanced Computing (C-DAC), Centre For High Performance Computing, China Meteorological Administration, 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, Creative Consultants, DataDirect Networks, Dawning Information Industry, Dell, Dilly Enterprises, Digital Waves, Diglio A. Simoni, EDG2, Evergrid, Exludus, Eyescale Software GmbH, Federal University of Rio de

Janeiro, Fermi National Accelerator Laboratory, FireDaemon, Fujian Supercomputing, Gabriel Consulting Group, GigaSpaces Technologies, Gnodal, Go Virtual Nordic, GraphStream Incorporated, The George Washington University, Guizhou Normal College, HCL Infosystems, Hope College, HP, HPCTech Corporation, IBM, 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), KAUST (King Abdullah University of Science and Technology), Kinder Morgan CO2, Kirchhoff-Institute of Physics, Ruprecht-Karls University, Koi Computers Inc., Lamprey Networks, Lawrence Berkeley National Laboratory / NERSC, Lawrence Livermore National Laboratory, Leadtek Research Inc., Livermore Software Technology Corporation, Locuz Enterprise Solutions Limited, LSI Corporation, LUFAC COMPUTACION SA DE CV, Luxtera, Magma Design Automation, MBA Sciences, McGill University, Mellanox Technologies, Microsoft, Microway, University of Minnesota, Montana State University, MSC Software, National Research Center for Intelligent Computing Systems (NCIC), NEC Corporation of America, NET Consult, Netweb Technologies, Network Equipment Technologies, NEXTIO, Numascale AS, 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., Rocky Mountain Supercomputing Centers, Inc., RNA networks, Robert Gordon University, San Diego Supercomputer Center, Scalable Graphics, Scalable Informatics, ScaleMP, Schlumberger, Science + Computing ag, Scientific Computing, Scientific Computing World, SGI, Silicon Mechanics, Simula Research Laboratory, SoftModule, Spectra Logic, Stanford University High Performance Computing Center, Performance Jones L.L.C, STFC Daresbury Laboratory, Computational Science and Engineering Department, StreamScale, Stony Brook University, Sumisho Computer Systems, Sun Microsystems, Supermicro, Swiss National Supercomputing Centre CSCS, System Fabrics Works, Terascala, Texas Advanced Computing Center, The Victorian Partnership for Advanced Computing, Transtec AG, TOTAL E&P Research and Technology USA, T-Platforms, Tyco Electronics, Tycrid, University of Edinburgh, University of Ljubljana, University of Utah Center for High Performance Computing, University of Wyoming, uSTAR, Versatus HPC, Vette Corp/Coolcentric Division, Virginia Tech University, Virtual Machine Company, VMware, Voltaire, VXTECH, University of Wisconsin Madison, Whamcloud, W.L. Gore & Associates, Wipro InfoTech, Wolfram Research, XLsoft China, Z Research

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