Grid Institute
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Singapore's Institute of High Performance Computing Joins MediaGrid.org to Advance International Media Grid Standards

BOSTON, MA – October 17, 2006 – The Grid Institute is pleased to announce that Singapore's Institute of High Performance Computing (IHPC) has joined MediaGrid.org to participate in the development of international standards for storing, delivering, and processing digital media in grid computing environments. Through the following MediaGrid.org technology working groups IHPC researchers, led by Dr. Xiaorong Li, will contribute expertise in grid and high-performance computing toward the design and development of open Media Grid standards:

- Grid Gateway Technology Group (GGTG)
- Quality of Service Technology Group (QOSTG)
- Media Delivery Technology Group (MDTG)
- Rendering Technology Group (RTG)
- Virtual Reality Technology Group (VRTG)

"We look forward to collaborating with the Institute of High Performance Computing to develop the Grid Gateway standards that will build a digital media bridge between the United States and Singapore," said Aaron E. Walsh, Director of the Grid Institute's MediaGrid.org standards organization. "International exchange of this nature is vital for a seamless, interconnected Media Grid that benefits the scientific community as well as the general public. IHPC's participation in the development of quality of service and digital media delivery infrastructure standards as well as application-level distributed rendering and Virtual Reality standards not only establishes the Media Grid's connection with Singapore it also benefits the global community of digital media users at large," continued Walsh.

In response to the newly established collaboration Dr. Raj. Thampuran, Executive Director of IHPC, stated "The MediaGrid.org organization builds up a world-wide grid gateway for digital media related services and creates opportunities for researchers to jointly address issues related to next-generation multimedia. IHPC believes that this liaison will help enrich our GRID related research as applied to the media domain."

About the IHPC

IHPC was established in 1998 as a result of the merger between Singapore's Centre for Computational Mechanics (CCM) and National Supercomputing Research Centre (NSRC). IHPC, supported by Singapore's Agency for Science, Technology & Research (A*STAR), develops and promotes the application of high performance computing (HPC) technologies, and undertakes upstream and use-inspired research. IHPC is committed to its charter of advancing Computational Science and Engineering (CSE) research, nurturing knowledge-based capital and establishing partnerships with prestigious international collaborators.

IHPC resources include: state-of-the-art supercomputing facilities; a comprehensive range of third-party software for a diverse span of applications; highly-trained support staff to administer and optimize the use of compute facilities; and experienced domain-specific researchers to collaborate on cutting-edge, compute-intensive applications. In addition, IHPC offers powerful state-of-the-art visualization technology and facilities to help organizations enhance and boost their engineering processes and product designs using simulation techniques. The Institute's state-of-the-art MIRAGE (Modeling and Immersion in Real-Time Advanced Graphics Environment) visual simulation facility provides users with an excellent opportunity to visualize, be involved and interact in a 3D real-time immersive virtual environment. To learn more about IHPC visit http://www.ihpc.a-star.edu.sg/

About the Media Grid

The Media Grid is a public utility for digital media. Based on new and emerging distributed computational grid technologies, the Media Grid builds upon existing Internet and Web standards to create a unique network optimized for digital media delivery, storage, and processing. As an on-demand public computing utility, a range of software programs and Web sites can use the Media Grid for delivery and storage of rich media content, media processing, and computing power. The Media Grid is an open and extensible platform that enables a wide range of applications not possible with the traditional Internet alone, including: Massive Media on Demand (MMoD); Interactive digital cinema on demand; Immersive education and distance learning; Truly immersive multiplayer games and Virtual Reality (VR); Hollywood movie and film rendering, special effects, and composition; Real-time rendering of high resolution graphics; Real-time visualization of complex weather patterns; Real-time protein modeling and drug design; Telepresence, telemedicine, and telesurgery; Vehicle and aircraft design and simulation; Visualization of scientific and medical data.

The Grid Institute leads the design and development of the global Media Grid through the MediaGrid.org open standards organization in collaboration with industry, academia, and governments from around the world.