



Compute Canada Partners with Super Micro Computer, Inc. to Power HPC for the Humanities

High-Performance Computing Platform Provides Humanities Researchers with Leading-Edge Supercomputing and Analytics System

OTTAWA, Ontario, June 16, 2011 - Compute Canada, the organization leading the creation of a powerful national High Performance Computing platform for academia and scientific research in Canada today announced it will partner with [Super Micro Computer, Inc.](#) to build a high-performance computing platform for its *HPC for the Humanities* initiative.

HPC for the Humanities is part of a distributed network of high-performance computers sharing data resources and tools among academic researchers throughout Canada. This initiative will enable humanities researchers to take advantage of the enormous potential of high performance computing to deal with large and complex sets of unstructured data in the form of books, election and financial data, archaeological information and newspapers. Researchers will be able to sort, mine, and visualize data and to ask new questions about events, the development of civilization, as well as written, audio and video materials. Supermicro's 8-Way architecture, GPU support, mass-storage capacity and high-throughput I/O capabilities provide an excellent foundation for high computational performance and scalability.

"High performance computing in the social sciences and humanities is central to advancing creativity and innovation," stated Chad Gaffield, President, Social Sciences and Humanities Research Council of Canada. "This initiative will help to support our scholars and their partners in advancing knowledge on a wide array of topics that are central to our economy and quality of life."

"We qualified Supermicro based on their product performance/price, service quality, green power efficiency, and company history," said Susan Baldwin, Executive Director of Compute Canada. "Supermicro's culture of innovation and integration expertise aligns well with our charter to foster a new era in HPC evolution and to continue to provide the HPC resources needed for world-leading research. As part of Supermicro's integrated solution we would also like to acknowledge Intel, Samsung, Toshiba and LSI for contributing to this project as well."

Researchers will have the advantage of an HPC system based on Supermicro's 8-Way, 5U SuperServer® ([5086B-TRF](#)) which supports 80 Cores with 8x Intel® Xeon® processor E7-8800 (10-Core) and integrates up to 2TB of Samsung DDR3 ECC reg. DIMMs. The system also includes 4.8TB of Toshiba/LSI RAID storage and expandability for up to 4 GPUs. This is an enterprise-class platform designed for mission-critical applications and high-availability.

"Developing new understanding of the human system will require the ability to efficiently analyze massive amounts of data to reach new insights," said Raj Hazra, General Manager of High Performance Computing at Intel. "The Xeon processor E7-8800 is one of our most advanced technologies today for this kind of problem. We are excited to participate in this initiative."

"Supermicro's HPC SuperServers have a wide range of applications in the fields of academia and research," said Dr. Tau Leng, GM of HPC Solutions at Super Micro Computer, Inc. "*HPC for the Humanities* will achieve new levels of collaboration using our high-density, scalable HPC solutions. We look forward to advancing this and future HPC initiatives with Compute Canada."

Supermicro will be at the High Performance Computing Symposium (HPCS) 2011 Conference in Montreal (June 15 to 17).



About Super Micro Computer, Inc.

Supermicro® (NASDAQ: SMCI), the leading innovator in high-performance, high-efficiency server technology is a premier provider of advanced server Building Block Solutions® for HPC, Data Center, Enterprise IT and Embedded computing worldwide. Supermicro is committed to protecting the environment through its “We Keep IT Green®” initiative by providing customers with the most energy-efficient, environmentally-friendly solutions available on the market. Visit www.supermicro.com for Supermicro’s entire suite of end-to-end HPC and Enterprise IT solutions.

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About Intel

Intel (NASDAQ: INTC) is a world leader in computing innovation. The company designs and builds the essential technologies that serve as the foundation for the world’s computing devices.

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About Compute Canada

Compute Canada is leading the creation of a powerful national HPC platform for research. This national platform integrates High Performance Computing (HPC) resources at seven partner consortia across the country to create a dynamic computational resource. Compute Canada integrates high-performance computers, data resources and tools, and academic research facilities around the country. These integrated resources represent close to a petaflop of computing capability and online and long term storage with rapid access and retrieval over Canada’s national, provincial and territorial high-performance networks.

Working in collaboration, Compute Canada and the university-based regional HPC consortia provide for overall architecture and planning, software integration, operations and management, and coordination of user support for the national HPC platform. As a national organization, Compute Canada coordinates and promotes the use of HPC in Canadian research and works to ensure that Canadian researchers have the computational facilities and expert services necessary to advance scientific knowledge and innovation

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