

Second SHARCNET Symposium on **GPU&Cell Computing**

Exploring the use of GPUs and Cell processors for scientific & high performance computing

Call for Contributions

Researchers interested in presenting their work in the form of a 20-minute presentation or a poster at the symposium are encouraged to submit abstracts for consideration by April 29 to ssgc2009@sharcnet.ca

Abstracts should be approximately half a page in length for a poster, and up to three pages for a talk.

Facility Sponsor

Institute for Computer Research,
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Financial Sponsors

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Event Contact

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MAY 20, 2009
UNIVERSITY OF WATERLOO
WATERLOO, ONTARIO, CANADA

KEYNOTE SPEAKERS

Paul R. Woodward, *University of Minnesota*

Computational Fluid Dynamics on the Los Alamos Roadrunner Machine

John Stone, *University of Illinois at Urbana-Champaign*

Accelerating Biomolecular Modeling Applications with GPU Computing

VENDOR RESEARCH PRESENTATIONS

Nathan Bell, *NVIDIA Research*

Efficient Sparse Matrix-Vector Multiplication on CUDA

Michael McCool, *RapidMind / University of Waterloo*

Applications of Many-core Computing to Medical Imaging

Michael Perrone, *IBM TJ Watson Research Center*

Finding Oil with Cells: Seismic Imaging Using a Cluster of Cell Processors

IMPORTANT DATES*

April 29 Deadline for abstract submission (contributed presentations and posters)

May 4 Notification of accepted presentations and final program announcement

May 6 Deadline for registration

May 20 Second SHARCNET Symposium on GPU and Cell Computing

***Note:** Please register as soon as possible, the number of participants is limited

For more information visit:

<http://www.sharcnet.ca/events/ssgc2009/>

