



Call for abstracts: 2012 Oil & Gas HPC Workshop

IMPORTANT DATES

- Due date for Submission of Abstracts: December 7th, 2011
- Notification of Acceptance: January 20th, 2012
- Workshop registration opens: January 6th 2012
- Workshop: March 1st, 2012 (SAVE THE DATE)

The Oil and Gas HPC Workshop, hosted annually at Rice University, is a premier meeting place for engaging in discussion focused on high performance computing needs of the oil and gas industry. The program committee is pleased to invite you to participate in the 5th workshop and encourage you to submit abstract(s) for consideration for the technical program. As in past years, this will be a full day event with ample opportunities for networking and technical discussion. This year we will experiment with a variation on the workshop format by supporting two parallel tracks during part of the day. Each session will be thematically organized and a person appointed by the program committee will be tasked with reporting back to the entire workshop during a closing panel discussion. Technical themes for the 2012 workshop sessions will be developed based on the diversity and strengths of the abstracts received.

High-end computing and information technology continues to stand out across the industry as a critical business enabler and differentiator with a relatively well understood return on investment. However challenges remain and, with a rapidly changing technology landscape and increasing demand on software innovations and workforce development, we invite authors to submit abstracts in the following areas:

- making Exascale software / hardware a reality for oil & gas
- distributed data management
- data visualization / distributed visualization / remote visualization
- high performance i/o and file systems
- programming models for and programming examples of heterogeneous / hybrid system architectures
- parallel software development and tools
- algorithms and scalability
- HPC facilities and infrastructure scaling
- clouds for scale-up and scale-out technical computing
- curriculum, education and training

We are looking for abstracts that would be directly applicable to and address broad needs by the Oil and Gas industry. While we hope to attract the broadest possible set of abstracts and are open to submission beyond the topics listed above, abstracts that come across as marketing will not be reviewed. In cases where this may be an issue we strongly encourage authors to partner with customers and include users and relevant use-cases.

Prospective authors should submit short abstracts (max 300 words) on or before Wednesday, December 7, 2011. Abstracts will be handled electronically through the workshop website at <http://og-hpc.org/Rice2012/>.

Please forward this to anyone you think may be interested in submitting an abstract or attend the workshop.

For workshop questions, including questions about sponsorship, please contact Angela Smith at avsmith@rice.edu

Program Committee:

Jan E. Odegard, Rice University	Scott Morton, Hess
Keith Gray, BP	David Judson, WesternGeco
Henri Calandra, Total	Bill Menger, Society of HPC Professionals
Chap Wong, Chevron	