

Get Ready for

GORDON

Summer Institute

San Diego Supercomputer Center • August 8–11, 2011

San Diego Supercomputer Center's 2011 Get Ready for Gordon – Summer Institute



Join us August 8–11, 2011 for the next workshop on *Gordon*, SDSC's new NSF funded (five year, \$20 million award) data-intensive supercomputer. *Gordon* will be open for allocation requests in the fall for a January 1, 2012 production.

The "Get Ready for Gordon – Summer Institute" is targeting users with applications that can potentially take advantage of *Gordon's* unique capabilities for high performance data-intensive computing. We encourage applications from researchers engaged in data-intensive science and data mining across a wide range of disciplines, including those that have not typically considered use of supercomputing resources. The range of domains can be broad, say, from astronomy, geosciences, and genomics, to economics and linguistics.

Gordon has been especially designed to address data-intensive problems that cannot make effective use of the current generation of massively parallel supercomputers. For example, developers of database applications can benefit from the large amount of flash memory in the system. Applications that serve a wide research community, e.g. through the use of a science gateway, are also encouraged to apply.

Topics covered during the institute include:

- Overview of the *Gordon* architecture
- Using flash to improve I/O performance of data intensive applications
- Using vSMP for large memory applications
- Application profiling of data intensive applications
- Hands-on sessions using *Gordon* I/O nodes and *Dash*, the prototype of *Gordon*
- Database and data mining applications
- Breakout sessions for those who provide support for data-intensive architectures like *Gordon*
- How to write a successful *Gordon* allocation proposal

Apply

Applications to attend the Institute must be submitted by **Friday, June 24, 2011**. Applicants will receive notification of their application status by **Friday, July 1, 2011**.

NSF-funding for the institute will cover local expenses for all accepted participants (on campus room and board). However, attendees are expected to cover their own travel to the UC San Diego campus.

To apply, please visit:

<http://www.sdsc.edu/Events/summerinstitute2011/apply.php>

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For more information, please visit:
www.sdsc.edu/Events/summerinstitute2011/

