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OSG Home Page

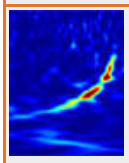
The Open Science Grid (OSG) advances science through open distributed computing. The OSG is a multi-disciplinary partnership to federate local, regional, community and national cyberinfrastructures to meet the needs of research and academic communities at all scales.

Research Highlights

Simulating the DNA transcription dance
August 31, 2011

Researchers use the Open Science Grid to study the structure of a protein linked to cancer, autoimmune disease, and a host of other illnesses.

MINOS serves up more neutrino evidence
June 29, 2011
Over the last year, MINOS data analysis use of Open Science Grid has grown rapidly - just in time to help analyze exciting new results.



Looking for gravitational waves: A computing perspective
June 8, 2011
Researchers harness the Pegasus Workflow Management System to search for gravitational waves.

View More Research Highlights and Vignettes...

"The support provided by OSG and the RENCI team was very helpful in addressing various software and hardware issues related to the distributed processing of large datasets, including job recovery and data compression and transfer.

As comprehensive validation of numerical models for structural systems becomes increasingly important, the opportunistic usage of OSG's computational resources offers great leverage in terms of computing power for NEES researchers."

~André R. Barbosa, Ph.D. Candidate in Structural Engineering at UCSD and joining Oregon State University as a faculty member in January 2012

[quote archive]

OSG News

Operational News & Announcements

OSG Newsletter

Journal of Physics: Conference Series, Grid & Cloud Middleware papers - IOPscience, 27 Dec

IU physicists find themselves in thick of new results - IU Newsroom, 13 Dec

Q&A-Dan Fraser on HTPC - iSGTW, 7 Dec

Planet OSG blogs

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OSG Usage Display

OSG Contributes to

iSGTW
INFRASTRUCTURE POLICY GROUP
OpenGridForum

Middleware And Grid Infrastructure Coordination Team

Technology Highlights

GlideinWMS

Grids are making it possible for any group of users to run hundreds of thousands of jobs in a matter of days. However, the batch slots are not organized in a common pool, but are grouped in independent pools at hundreds of Grid sites distributed among the five continents. That's where a higher-level Workload Management System (WMS) comes in.

[read more]

Collaborative OSG TWiki Webs

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