



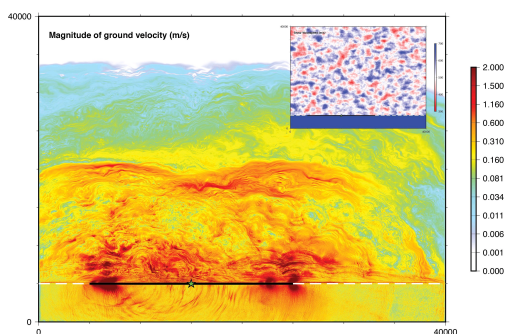
News Elements

August 2016 Volume 5 Issue 3

Research Highlight

SW4: Ground Motion Simulations on the New Commodity Technology Systems (CTS-1) Platform

SW4 is being used to simulate earthquake ground motions at Lawrence Livermore National Laboratory (LLNL) on their new capacity computing systems called the Commodity Technology Systems-1 (CTS-1). One of their newest computers, Jade, is composed of over 2200 compute nodes with 36 cores per node. It is part of a major investment in capacity computing at the DOE National Labs as part of the Advanced Scientific Computing Program. ...[read full article](#). A Rodgers ...



Ground motion simulation showing the modulus of ground velocity ... [\[more\]](#)

CIG '16 Wrap-up

CIG'16 brought together more than 100 researchers for a weeklong event which included 8 tutorials and 2 1/2 days of plenary talks, panels, lightening talks and posters.

The tutorials spanned the range of CIG's hosted software packages as well as an introduction to Python. Many tutorials were offered on virtual machine installations and included "tinker time" to help users launch directly into the tutorial examples, and participants were able to attend more than one to sample different software. The plenary



Welcome to CIG'16

[\[presentations\]](#)

WEBINARS

October 13- Anshu Dubey
November 9 - Rene Gassmoeller
January 12- Louise Kellogg
February 9 - Ian Rose
March 9 - Hom Nath Gharti
April 13 - Brad Aagaard
May 11 - Julianne Dannberg
[More info](#)
[Connect to webinar](#)

MEETINGS

Sept 24: GSA Short Course: Intro to Numerical Modeling
Dec 12: CIG Business Meeting
Dec 12-16: AGU

NEW RELEASES

ASPECT 1.4.0
PyLith 2.1.3
VirtualQuake 2.1.2

ALLOCATIONS

Stampede: 162028 / 1,040,676.99 SUs
Ranch: 7,000 GB
Maverick: 1,022 / 15,000.0 SUs

talks and panels cut across CIG's scientific domains and included discussions of recent scientific and computational advances, best practices in benchmarking, scientific challenges for the future, and innovative ideas for using CIG software in outreach and education. A big thank you to the organizing committee, the speakers, panelists, tutorial instructors, and poster presenters, and especially CIG staff who worked incredibly hard behind the scenes to make this event a success. If you attended CIG'16, don't forget to give us your feedback. It helps us plan future CIG events. [\[survey\]](#)

QUICK LINKS

[Submit Publications](#)
[Software](#)

CONTACT US

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Governance

Nominations are now open for this year's elections - 2 seats are open on the Executive Committee and 2 on the Science Steering Committee. Many thanks to EC members Bruce Buffet and David Bercovici and SSC members Brad Aagaard and Tim Ahern for their contributions to the community. Email the Nominations Committee your nominations for these key governance positions [\[email\]](#).

2016 CIG Business Meeting

CIG will hold its Annual Business Meeting on Monday, December 12 at the Intercontinental San Francisco. The Intercontinental is just around the corner from Moscone Center West. The reception begins at 6pm followed by the business meeting at 7pm. Light hors d'oeuvres will be served. This year's meeting will feature a special presentation for **early career scientists** on managing their research careers. Discussions will include CIG III and results from the 2016 EC and SSC elections. See our website for more information and directions. [\[more info\]](#)

2016-2017 Webinar Series

This year we build upon previous code tutorials by offering advanced tutorials on specific code features that have wide interest to the community and expanding our knowledge about best practices and tools in software development. Codes included ASPECT, PyLith and SPECFEM. Anshu Dubey, *Argonne National Lab*, will lead off the series October 13 discussing best practices and examples from other communities. See recordings from the Oak Ridge Leadership Computing Facilities [webinars](#) series focusing on HPC software development. Check our [website](#) for talk details as the date approach.

GSA 2016 Denver, CO - Short Course

525. Intro. to Numerical Modeling of Lithospheric Deformation in Matlab
Sat., 24 Sept. 2016, 9am–5pm (E. Mittelstaedt, J.A. Olive, and J. Nabiloff)

A one-day course designed to introduce geoscientists with a range of specialties to the concepts of numerical simulation, through a hands-on experience using a modern, research capable numerical code (SiStER – Simple Stokes with Exotic Rheologies)... [short course info](#) ... [Registration](#).
