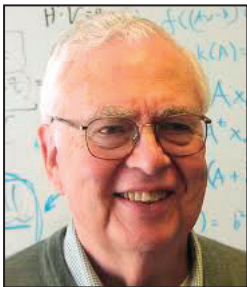


Gene Golub
G²S³ 2012
SIAM Summer School

Simulation and Supercomputing in the Geosciences

July 29–August 10, 2012
Monterey, California USA



The third Gene Golub SIAM Summer School will take place in Monterey, California, July 29 to August 10, 2012. Natural hazards caused by surges, earthquakes, and tsunamis have exposed a large risk to modern societies in recent years. In order to mitigate these hazards, advanced simulation and computational techniques need to be employed for data analysis, early warning and planning purposes.

G²S³ 2012 will introduce students to cutting-edge simulation techniques for rapid assessment and accurate process studies of geoscientific problems involving a large range of relevant scales.

The summer school will be composed of three main mini-courses:

- Tsunami and Storm-surge Simulations
- Numerical Methods for Wave Propagation
- Supercomputing in the Geosciences: From Multi- to Many-core Platforms

The primary lecturers for these courses will be:

- Michael Bader, Technische Universität München, Germany
- Jörn Behrens, University of Hamburg, Germany
- Francis X. Giraldo, Naval Postgraduate School, USA
- Randall J. LeVeque, University of Washington, USA

Additional guest presentations are planned.

Applicants selected to participate pay no registration fee. Partial funding for local accommodations and meal expenses will be available for all participants. Limited travel funds may also be available.

Application deadline: February 1, 2012
For more details on the course and on how to apply, go to:

www.siam.org/students/g2s3/

Sponsored by SIAM through an endowment from the estate of Gene Golub.

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