



11th Front Range Applied Mathematics (FRAM) Student Conference

UNIVERSITY OF COLORADO - DENVER

SATURDAY, FEBRUARY 28TH, 2015

SPONSORS: THE SIAM STUDENT CHAPTERS AT
University of Colorado: Boulder, Colorado Springs and Denver campuses
Colorado School of Mines, Colorado State University, University of Wyoming and Colorado College

The Front Range SIAM Student Chapters are sponsoring the 11th Annual Applied Mathematics Regional Student Conference. This event allows students from all universities along the Front Range to learn about new developments in Applied Mathematics and promotes interest in the field. The conference is open to both undergraduate and graduate students.

Registration Information

We are requesting a \$10 donation per person to help defray the cost of the breakfast and lunch that will be provided at the conference. To register before the day of the conference, please send the name of the conference attendee and their university affiliation along with a check made out to Dr. Lynn Bennethum (also write "UCD SIAM" on the check) to:

Dr. Lynn Bennethum
Department of Mathematics and
Statistical Sciences
University of Colorado Denver
1250 14th St., Suite 600
Denver, CO 80217-3364

Call for Presentations

There will be 20-minute student presentations. A special MCM/ICM session will also be organized. Please send abstracts in LaTeX (.tex) or plain text (.txt) format to FRAMSC.abstracts@gmail.com. For more info, please check the conference website or contact the organizers.
Abstract submission deadline is Friday, Feb 20th, 2015.

Plenary Speaker

Dr. Harvey Segur

Applied Mathematics Department
University of Colorado, Boulder



Tsunami

Tsunami have gained worldwide attention over the past decade, primarily because of the destruction caused by two tsunami: one that killed more than 200,000 people in coastal regions surrounding the Indian Ocean in December 2004; and another that killed 15,000 more and triggered a severe nuclear accident in Japan in March 2011. This talk has three parts. It begins with a description of how tsunami work: how they are created, how they propagate and why they are dangerous. This part involves almost no mathematics, and should be understandable by everyone. The second part of the talk is about the operational models now being used to provide tsunami warnings and forecasts. These models predict some features of tsunami accurately, and other features less accurately, as will be discussed. The last part of the talk is more subjective: what public policies could be enacted to mitigate some of the dangers of tsunami? Much of the material in this talk appeared in a paper by Arcas & Segur, Phil. Trans. Royal Soc. London, 370, 2012.

Contact Information

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Conference Website:

<http://amath.colorado.edu/content/2015-siam-front-range-student-conference>

