

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 tsunamis: 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 tsunamis 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 tsunamis 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 tsunamis? Much of the material in this talk appeared in a paper by Arcas & Segur, Phil. Trans. Royal Soc. London, 370, 2012.

Call for Presentations

All students (both undergraduate and graduate) are invited to submit abstracts on any research topic in Applied Mathematics. Abstracts should include:

- Title of work to be presented,
- Author's name,
- The university the author is currently attending,
- Names of any advisors or other collaborators,
- An extended description of the research to be presented (of length no greater than 500 words).

Talks: Presentation slots are available for 25 minutes (20 minute talk followed by 5 minutes for questions and set-up of the next speaker).

Please send abstracts in LaTeX or plain text to FRAMSC.abstracts@gmail.com

The abstract submission deadline is **Friday, February 20, 2015.**



11th Front Range Applied Mathematics (FRAM) Student Conference

**University of Colorado
Denver**

**SATURDAY
FEBRUARY 28TH, 2015**

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About the conference

The Front Range SIAM Student Chapters are sponsoring the 11th Annual Applied Mathematics Regional Student (aka FRAM) 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. Additionally, this event is open to both undergraduate and graduate students.



SIAM Student Chapters

Several universities in Colorado host active SIAM Student chapters, with the mission to promote applied mathematics and computational science and to encourage young mathematicians to pursue these fields. Student chapters provide opportunities to share ideas, learn about careers in applied and computational mathematics and develop networks with faculty and fellow students.

Schedule of Events

The conference is scheduled for Saturday, February 28th, 2015, between 8am and 4pm. Exact schedule will be posted on the conference website. Events will include a plenary address, parallel sessions for student presentations (including a special MCM/ICM session) and a poster session.

Location: The conference will take place in the North Classroom building, on the Auraria Campus Downtown. For more details and directions, please visit the conference website.

Contact Information

University of Colorado-Boulder:
Dr. Anne Dougherty,
SIAM Ugrad. Chapter Faculty Advisor,
Anne.Dougherty@colorado.edu

Dr. Tom Manteuffel,
SIAM Grad. Chapter Faculty Advisor,
tmanteuf@colorado.edu

University of Colorado-Colorado Springs
Dr. Radu Cascaval,
SIAM Faculty Advisor,
radu@uccs.edu

University of Colorado-Denver
Dr. Lynn Bennethum,
SIAM Faculty Advisor,
Lynn.Bennethum@ucdenver.edu

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

If your university has multiple attendees please feel free to submit one check with the registration donation along with a list of the attendees. We strongly encourage registering before the conference date. Registration will also be available from 8:30am to 9:00am the day of the conference.

