



8th Front Range Applied Mathematics (FRAM) Student Conference

UNIVERSITY OF COLORADO - DENVER

SATURDAY, MARCH 3RD, 2012

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

The Front Range SIAM Student Chapters are sponsoring the 8th 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 24th, 2012.

Plenary Speaker

Dr. Michael Waterman

Professor of Biological Sciences, Mathematics, and
Computer Science
University of Southern California



Eulerian Graphs and Reading DNA Sequences

With the discovery of the double helix in 1953, it became clear that determining DNA sequences was an important goal. The Sanger experimental method was invented in 1975 and by 2001 refinements of that methods allowed sequencing of the human genome. Today an exciting new generation of sequencing technologies are rapidly increasing the speed of DNA sequencing. This lecture will consider the mathematical and computational challenges of sequencing DNA.

Contact Information

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Conference Website:

<http://amath.colorado.edu/cmsms/index.php?page=conference>

