

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.

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 24, 2012.**



8th Front Range Applied Mathematics (FRAM) Student Conference

**University of Colorado
Denver**

**SATURDAY
MARCH 3RD, 2012**

SPONSORS:

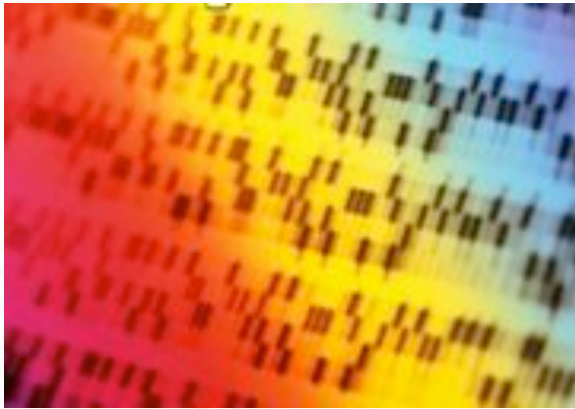
SIAM STUDENT CHAPTERS AT
University of Colorado, Boulder
University of Colorado, Colorado Springs
University of Colorado, Denver
Colorado School of Mines
Colorado State University

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



About the conference

The Front Range SIAM Student Chapters are sponsoring the 8th 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, March 3rd, 2012, 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.

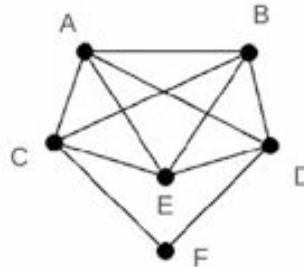
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Registration Information

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.



Attendees of the 2011 SIAM –FRAM conference