7th Front Range Applied Mathematics (FRAM) Student Conference

University of Colorado - Denver Saturday, March 5th, 2011

Sponsors: The SIAM Student Chapters at University of Colorado at Boulder, Colorado Springs and Denver campuses

The Front Range SIAM Student Chapters are sponsoring the 7 th 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 <u>both</u> 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
Dept. of Math. and Stat. Sci.
University of Colorado Denver
1250 14th St. Suite 600
Campus Box 170, PO Box 173364
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.

Plenary Speaker

Dr. Edward Ott

Distinguished University Professor of Electrical Engineering and Physics, Institute for Research in Electronics and Applied Physics, Institute for Systems Research

COLLECTIVE BEHAVIOR IN LARGE SYSTEMS OF COUPLED DYNAMICAL UNITS

An important issue arising in many different situations is the question of how global macroscopic behavior emerges from the coupling of many, typically non-identical, dynamically evolving subsystems. For example, what is the mechanism by which the rhythmic