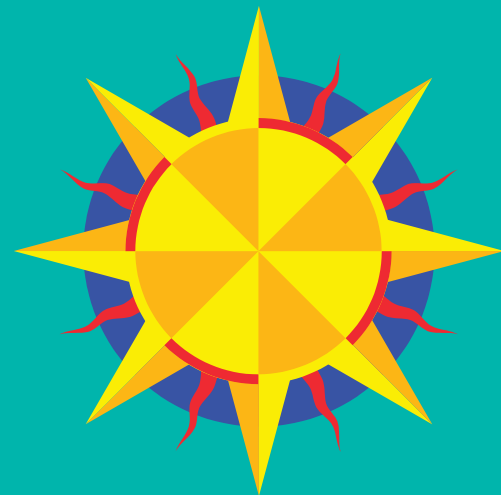


Join SIAM in San Diego



2008 SIAM Annual Meeting

July 7-11, 2008

Town and Country Resort
& Convention Center
San Diego, CA

www.siam.org/meetings/an08/

Organizing Committee

Marsha Berger, Courant Institute, New York University
David L. Brown, Lawrence Livermore National Laboratory
Sue Ann Campbell, University of Waterloo, Canada
Lenore Cowen (co-chair), Tufts University
Lieven De Lathauwer, Katholieke Universiteit Leuven, Belgium
Francis Giraldo, Naval Postgraduate School
Gary Hewer, NAVAIR Weapons Division, China Lake, California
Chris Johnson, University of Utah
Tamara G. Kolda (co-chair), Sandia National Laboratories
Vipin Kumar, University of Minnesota
Scott Markel, SciTegic Inc.
Rajeev Motwani, Stanford University

Prizes and Awards Luncheon

The following prizes and awards will be presented at the prizes and awards luncheon on Tuesday, July 8, 2008 during the annual meeting.

I. E. Block Community Lecture Prize
Richard C. DiPrima Prize
AWM-SIAM Sonia Kovalevsky Lecture Prize
George Pólya Prize
W. T. and Idalia Reid Prize
SIAM Award in the Mathematical Contest in Modeling (2007 and 2008)
SIAM Outstanding Paper Prizes
SIAM Prize for Distinguished Service to the Profession
SIAM Student Paper Prizes (2007 and 2008)
The John von Neumann Lecture Prize

Exhibits

www.siam.org/advertising/conference/
Publishers, software and hardware suppliers, and service organizations that have products to offer to conference attendees are invited to exhibit. For additional information and exhibit fees, please contact the SIAM marketing representative at marketing@siam.org.

Career Fair

Monday, July 7, 2008 from 7:15 – 9:15 pm.
The SIAM Applied Mathematics and Computational Science Career Fair is an informational and interactive event at which employers and prospective employees can discuss careers. It is a great opportunity for prospective employees to meet government and industry representatives and discuss what they are looking for and what each employer has to offer.

Invited Presentations Plenary Speakers

Karen Devine, Sandia National Laboratories
Lars Eldén, Linköping University, Sweden
Trey G. Ideker, University of California, San Diego
Jon Kleinberg, Cornell University
Jean-Michel Morel*, ENS Cachan, France
* Joint speaker with the 2008 SIAM Conference on Imaging Science

Topical Speakers

Rakesh Agrawal, Microsoft Search Labs
John P. Boyd, University of Michigan
Rasmus Bro, Copenhagen University, Denmark
Jack Dongarra, University of Tennessee
G. Bard Ermentrout, University of Pittsburgh
Lise Getoor, University of Maryland, College Park
Randall J. LeVeque, University of Washington
Jill P. Mesirov, Broad Institute of MIT and Harvard University
James G. Nagy, Emory University
Mark Newman, University of Michigan
Steven G. Parker, University of Utah
Cécile Penland, NOAA/ESRL/Physical Sciences Division
Anders Petersson, Lawrence Livermore National Laboratory
Andrew Tomkins, Yahoo! Research

Special Lectures

Monday, July 7, 3:00 – 3:30 PM
AWM-SIAM Sonia Kovalevsky Lecture
Dianne O'Leary, University of Maryland

Tuesday, July 8, 2:30 – 3:30 PM
The John von Neumann Lecture
David Gottlieb, Brown University

Wednesday, July 9, 2:00 – 2:45 PM
SIAM Past President's Address
Martin Golubitsky, University of Houston

Wednesday, July 9, 3:00 – 3:30 PM
W. T. and Idalia Reid Prize in Mathematics
Lecturer To Be Announced

Community Lecture

Wednesday, July 9, 6:15 – 7:15 PM
I. E. Block Community Lecture
Stylish Mathematics
Daniel N. Rockmore, Dartmouth College

HOTEL INFORMATION

Town and Country Resort & Convention Center
500 Hotel Circle North
San Diego, California 92108
Phone Number: +1-619-291-7131
Toll Free Reservations: (800)-77-ATLAS
(USA and Canada)
Fax: +1-619-294-4681

Hotel reservation deadline: Monday, June 9, 2008
(or until the room block is sold out)
www.siam.org/meetings/an08/hotel.php

Single/Double
\$144.00 per night

Student Rate*
\$109.00 per night
*Students reserving a room at the student rate must contact the hotel by telephone at the number listed above. Student ID will be required upon check-in. Please book early as these rooms sell out very quickly!

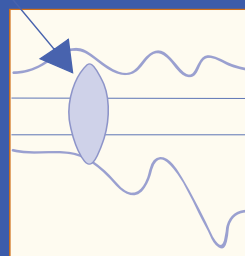
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www.siam.org/meetings/an08/reginfo.php

The 2008 SIAM Annual Meeting
is being held in conjunction with the

SIAM Conference on
IMAGING SCIENCE

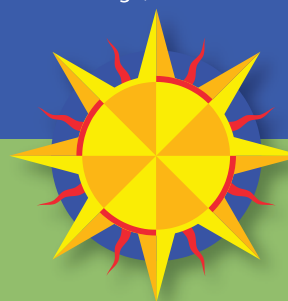
Sponsored by the SIAM Activity
Group on Imaging Science
www.siam.org/meetings/is08



July 7-9, 2008

Students – Activities for you at the 2008 SIAM Annual Meeting in San Diego

**2008 SIAM
Annual Meeting**
July 7-11, 2008
Town and Country Resort
& Convention Center
San Diego, CA



Student Days at the 2008 SIAM Annual Meeting include events for students and about students. Organizers have got it all covered this year, with activities and sessions where students can meet with both peers and professionals in their field, participate in a career fair, attend an information session on hot areas for jobs and research, and network with SIAM Student Chapters from all over the world.

GOALS

Organized by the SIAM Education Committee (Chaired by Bill Briggs, University of Colorado at Denver), Student Days are designed to encourage student participation in SIAM, to help students learn more about applied mathematics and computational science as both fields of study and as careers, and to provide a forum for emerging mathematicians to learn about their field from the professionals who know the answers. Organizers also hope to encourage those in the learning community to establish new student chapters of SIAM and to promote interaction between students and SIAM leadership.

EVENTS AND HAPPENINGS

In addition to the SIAM Annual Meeting and Imaging Science plenary sessions, Student Days will include presentations by student chapter representatives, a special minisymposium on undergraduate research in dynamical systems, a new opportunity for undergraduates to submit posters for the AN08 Poster Session, and presentations by the winners of the SIAM Award in the Mathematical Contest in Modeling (MCM) and the SIAM Student Paper Prizes.

MEETING WITH LEADERS and INFLUENCING SIAM

Student Days 2008 will also feature the Student Chapter Meeting with SIAM Leadership. This meeting gives faculty advisors and student chapter representatives the opportunity to meet with key decision makers to discuss ideas for improving student chapters and ways that SIAM can meet the needs of current and future student members all over the world. Each chapter selects one student to attend the event as its chapter representative.

FINDING JOBS FOR YOU

The Career Fair on Monday, July 7 at 7:15 pm will provide students with the opportunity to interact with prospective employers from government and industry who are specifically interested in SIAM's unique community. A Career Fair student guide is available online.

DEVELOPING SKILLS

"Professional Development Evening" on Thursday, July 10, 6:15 – 9:15 pm. Organized by:
Daniel M. Dunlavy, Sandia National Labs and
Misha E. Kilmer, Tufts University

ASSOCIATION FOR WOMEN IN MATHEMATICS (AWM) WORKSHOP

www.awm-math.org/workshops.html

The Workshop for Women Graduate Students and Recent Ph.D.'s is held in conjunction with the SIAM Annual Meeting.

GRADUATE STUDENT WORKSHOP ON DIVERSITY

www.siam.org/meetings/an08/workshops.php

Organizer: Ricardo Cortez, Tulane University

This annual event provides a chance for students to listen to technical talks presented by minority graduate students. The workshop is intended to accomplish several goals:

- To send a clear, explicit message of enthusiastic welcome and support from SIAM to members of under-represented groups. The workshop is deliberately held as part of a regular SIAM meeting so that the participants can combine the experiences of attending a regular scientific meeting and a special occasion dedicated to them.
- To bring together a mixture of people from different levels of age and professional experience, ranging from undergraduate students to senior scientists.
- To provide an opportunity for minority graduate students to present their research.
- To provide an informal, comfortable setting (a lunch) where all the students can meet applied and computational mathematicians with a wide variety of jobs in academia, national laboratories, industry, and government.

REGISTER

Register online at www.siam.org/meetings/an08/reginfo.php

Students can register for the 2008 SIAM Annual Meeting July 7-11 in San Diego for the reduced rate of \$100. Student Days are included.

STUDENT DAYS SCHEDULE

Monday, July 7, 2008

7:15 PM - 9:15 PM Career Fair

Tuesday, July 8, 2008

7:00 AM - 8:15 AM

Student Chapter meeting with SIAM Leadership

8:30 AM - 9:15 AM

AN08 and IS08 plenary sessions

9:15 AM - 10:00 AM

AN08 and IS08 plenary sessions

10:00 AM - 10:30 AM

Coffee break

10:30 AM - 12:30 PM

SIAM Student Chapter Presentations

Organizer: **Bill Briggs**, University of Colorado at Denver

- Talk title to be announced, **Emek Kose**, Drexel University
- Preconditioner for Free Scattering Structures Based on Asymptotic Results, **Josef Sifuentes**, Rice University
- Talk title to be announced, **Greg Puleo**, Rochester Institute of Technology
- Mathematical modeling of electrostatic interactions with mean curvature surfaces, **Derek Moulton**, University of Delaware
- A posteriori error estimates for finite volume approximation of elliptic equations on general surfaces, **Li Tian**, University of South Carolina at Columbia
- The Primitive Equations with Multiplicative Noise, **Nathan Glatt-Holtz**, University of Southern California

12:30 PM - 2:30 PM

Prizes and Awards Luncheon

2:30 PM - 3:30 PM

John von Neumann Lecture

3:30 PM - 4:00 PM

Coffee break

4:00 PM - 6:00 PM

Minisymposium on undergraduate research in dynamical systems

8:00 PM - 10:00 PM

Joint Poster Session (AN08, AWM, IS08) and Dessert Reception, including a new undergraduate poster competition offering prizes for the three best posters demonstrating research done by undergraduates in applied and computational mathematics.

Wednesday, July, 9, 2008

10:30 AM - 12:30 PM

SIAM/MCM Award winners presentations

4:00 PM - 6:00 PM

SIAM Student Paper Prize winners presentations

Thursday, July, 10, 2008

6:15 PM - 9:15 PM

Professional Development Evenings

CASH PRIZES!

Undergraduate students - present your research poster at AN08

Submission deadline: **April 21, 2008**

Undergraduates are invited to participate in the poster session at the 2008 SIAM Annual Meeting. Submissions should be sent to siamAN08@gmail.com by April 21, 2008. Cash prizes will be awarded to the three best posters demonstrating research done by undergraduates in applied and computational mathematics.

Complete information is available at

www.siam.org/meetings/an08/undergraduate.php.

