

# Join SIAM in Denver



[www.siam.org/meetings/an09](http://www.siam.org/meetings/an09)

## 2009 SIAM Annual Meeting July 6-10

### Invited Presentations

#### Plenary Speakers

Heinz-Otto Kreiss, KTH Stockholm, Sweden  
Karl Kunisch\*, University of Graz, Austria  
Ulisses Mello, IBM Research

\* Joint speaker with the 2009 SIAM Conference on  
Control and Its Applications

#### Topical Speakers

Alberto Bressan, Pennsylvania State University  
Russel E. Caflisch, University of California, Los Angeles  
Stephen Coombes, University of Nottingham,  
United Kingdom  
Michael C. Ferris, University of Wisconsin  
Wen-mei Hwu, University of Illinois at Urbana-Champaign  
Ioannis Karatzas, Columbia University  
Charles E. Leiserson, Cilk Arts and Massachusetts  
Institute of Technology  
Lois Curfman McInnes, Argonne National Laboratory  
Juan C. Meza, Lawrence Berkeley National Laboratory  
Lior Pachter, University of California at Berkeley  
Robert L. Pego, Carnegie Mellon University  
Cynthia A. Phillips, Sandia National Laboratories  
Shang-Hua Teng, Boston University  
Xuan Zeng, Fudan University, Shanghai, China

### Special Lectures

Monday, July 6, 2:45 – 3:30 PM  
AWM-SIAM Sonia Kovalevsky Lecture  
Andrea Bertozzi, University of California, Los Angeles

Tuesday, July 7, 2:30 – 3:30 PM  
The John von Neumann Lecture

Wednesday, July 8, 3:00 – 3:30 PM  
W. T. and Idalia Reid Prize in Mathematics Lecture

Wednesday, July 8, 2:00 – 2:45 PM  
SIAM Past President's Address  
Cleve Moler, The MathWorks  
*Parallelism Over The Ages*

Thursday, July 9, 3:00 – 3:30 PM  
Theodore von Kármán Prize Lecture

Friday, July 10, 3:00 – 3:30 PM  
James H. Wilkinson Prize in Numerical Analysis  
and Scientific Computing Lecture

### Community Lecture

Wednesday, July 8, 6:15 – 7:15 PM  
I.E. Block Community Lecture  
Andrew W. Lo, Massachusetts Institute of Technology  
Harris & Harris Group Professor and  
Director, MIT Laboratory for Financial Engineering (LFE)

### Organizing Committee

Mihai Anitescu, Argonne National Laboratory  
Andrew Conn, IBM T. J. Watson Research Center  
Lenore Cowen, Tufts University  
William McEneaney, University of California,  
San Diego  
Esmond Ng, Lawrence Berkeley National Laboratory  
Donald Estep, Colorado State University  
Lori Freitag-Diachin (co-chair), Lawrence  
Livermore National Laboratory  
Padma Raghavan, Pennsylvania State University  
Jonathan Rubin, University of Pittsburgh  
Björn Sandstede, University of Surrey, United  
Kingdom  
Rob Schreiber, Hewlett Packard  
Tao Tang, Hong Kong Baptist University, Hong Kong  
Andy Wathen (co-chair), University of Oxford,  
United Kingdom  
Thaleia Zariphopoulou, University of Texas, Austin

### Prizes and Awards Luncheon

The following prizes and awards will be presented  
at the prizes and awards luncheon on Tuesday,  
July 7, 12:30 – 2:00 PM.

I. E. Block Community Lecture  
Theodore von Kármán Prize Lecture  
AWM-SIAM Sonia Kovalevsky Lecture  
W. T. and Idalia Reid Prize in Mathematics Lecture  
The John von Neumann Lecture  
James H. Wilkinson Prize in Numerical Analysis  
and Scientific Computing Lecture  
Ralph E. Kleinman Prize  
SIAM Prize for Distinguished Service  
SIAM Outstanding Paper Prize  
SIAM Award in the Mathematical Contest in Modeling  
SIAM Student Paper Prizes  
Recognition of the Class of 2009 SIAM Fellows

### Exhibits

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](mailto:marketing@siam.org).

### Career Fair

Monday, July 6, 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.

The 2009 SIAM Annual Meeting is being held  
in conjunction with the

SIAM Conference on  
**CONTROL &  
Its APPLICATIONS**  
July 6-8, 2009  
Sheraton Denver Downtown Hotel  
Denver, Colorado

Sponsored by the SIAM Activity Group  
on Control and Systems Theory

[www.siam.org/meetings/ct09](http://www.siam.org/meetings/ct09)



Denver images courtesy Bruce Younggreen, and Denver Visitors and Convention Bureau

### HOTEL INFORMATION

Sheraton Denver Downtown Hotel  
1550 Court Place  
Denver, Colorado 80202  
Phone: +1-303-893-3333  
Fax: +1-303-626-2542  
Reservations: 888-625-5144 (US and Canada)  
[www.sheratondenverhotel.com](http://www.sheratondenverhotel.com)

#### Hotel Reservation Deadline

Monday, June 8, 2009  
(or until the room block is sold out)  
[www.siam.org/meetings/an09/hotel.php](http://www.siam.org/meetings/an09/hotel.php)

#### Single/Double

\$179 per night (plus taxes)

#### Student Rate\*

\$127 per night (plus taxes)  
(Student ID must be presented upon check-in.  
SIAM is able to negotiate a limited number of special  
student rate rooms. Please book early as these  
rooms sell out quickly!)

**siam**

Society for Industrial and Applied Mathematics



# Students – Activities just for you at the 2009 SIAM Annual Meeting in Denver



Student Days at the 2009 SIAM Annual Meeting are days for students and about students. Organizers have got it all covered this year, with activities and sessions in which 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 members of SIAM Student Chapters from all over the world.

## GOALS

Organized by the SIAM Education Committee (chaired by Peter Turner, Clarkson University), 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 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

Student Days will include presentations by student chapter representatives, an opportunity for undergraduates to submit posters for the AN09 poster session, and presentations by the winners of the SIAM Award in the Mathematical Contest in Modeling (MCM) and the SIAM Student Paper Prizes.

**NEW** in 2009 – Participants in the Computational Science Training for Undergraduates in the Mathematical Sciences (CSUMS) will present their work.

## MEETING WITH LEADERS and INFLUENCING SIAM

Student Days 2009 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 representative.

## FINDING JOBS FOR YOU

The career fair on Monday, July 6, 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. [www.siam.org/meetings/an09/stuguide.php](http://www.siam.org/meetings/an09/stuguide.php)

## DEVELOPING SKILLS

"Professional Development Evening"  
Thursday, July 9, 6:15 – 9:15 pm.  
Organized by:

**Daniel M. Dunlavy**, Sandia National Labs  
**Suzanne Shontz**, Pennsylvania State University

## ASSOCIATION for WOMEN in MATHEMATICS (AWM) WORKSHOP

[www.awm-math.org/workshops.html](http://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

Wednesday, July 8, 2009

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 underrepresented 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/an09/reginfo.php](http://www.siam.org/meetings/an09/reginfo.php)

Students can register for the 2009 SIAM Annual Meeting being held July 6–10 in Denver for the reduced rate of \$100. Student Days are included.

## STUDENT DAYS SCHEDULE

### Tuesday, July 8, 2009

- 7:00 – 8:15 AM Student Chapter meeting with SIAM Leadership
- 8:30 – 10:00 AM AN09 and CT09 Invited Speaker sessions
- 10:00 – 10:30 AM Coffee break
- 10:30 AM– 12:30 PM **SIAM Student Chapter Presentations**  
Organizer: **Peter Turner**, Clarkson University
  - *Nonlinear Stochastic Models of Interpersonal and Romantic Relationships and Strange Attractions*  
**Alhaji.Cherif**, Arizona State University
  - *Talk title to be announced*  
**Adrian Haimovich**, Columbia University
  - *Analysis of asymmetric stable droplets in a fish patterning model*  
**Thomas E. Woolley**, Oxford University, UK
  - *To be announced*  
**Aaron Brown**, Tufts University
  - *Line Soliton Solutions of the KP Equation*  
**Tim Lewkow**, University of Colorado at Colorado Springs
  - *Talk title to be announced*  
**Dmytro Yershov**, University of Illinois at Urbana-Champaign
- 12:30 – 2:30 PM Prizes and Awards Luncheon
- 2:30 – 3:30 PM John von Neumann Lecture
- 3:30 – 4:00 PM Coffee break
- 4:00 – 5:00 PM **SIAM/MCM Award winners presentations**
- 5:00 – 6:00 PM **SIAM Student Paper Prize winners presentations**
- 8:00 – 10:00 PM Joint Poster Session (AN09, AWM, CT09) and Dessert Reception, including an **undergraduate poster competition** offering prizes for the three best posters demonstrating research done by undergraduates in applied and computational mathematics.

### Wednesday, July 8, 2009

- 10:30 AM – 12:30 PM **CSUMS presentations**
- 4:00 – 6:00 PM **CSUMS presentations**

## CASH PRIZES!

### Undergraduate students – present your research poster at AN09

Undergraduates are invited to participate in the poster session at the 2009 SIAM Annual Meeting. Submissions should be sent to SIAM at [AN09@gmail.com](mailto:AN09@gmail.com) by Monday, April 20, 2009. 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/an09/undergraduate.php](http://www.siam.org/meetings/an09/undergraduate.php).

