



# SIAM-SEAS Summer Newsletter 2011

## 2011 Annual Meeting

The UNC Charlotte Millennium Campus hosted the 35th SIAM-SEAS Annual Meeting on March 26th and 27th. A total of 159 participants came from twenty-one US states and the District of Columbia plus Canada, Italy, and Japan. The conference program encompassed 111 half-hour talks, the majority of which were organized into eight themed mini-symposia, plus three hour-long plenary lectures and seven student posters. The plenary lectures were given by Gang Tao (University of Virginia), Jean-Pierre Fouque (University of California, Santa Barbara), and Hassan Aref (Virginia Tech).

Participants were provided with lunch on Saturday and Sunday and with dinner and drinks during a Saturday-evening poster session. Cash awards were presented during the closing ceremony for the best student poster and best student talk. Sponsorship was provided by the Charlotte Research Institute, by UNC Charlotte's Department of Mathematics and Statistics, and by UNC Charlotte's Department of Mechanical Engineering and Engineering Science. The organizing committee consisted of faculty from the latter two departments.

Details of the meeting are available online at <http://siam-seas2011.org>.

## 2012 Annual Meeting

The 36th SIAM-SEAS Annual Meeting will take place at the University of Alabama in Huntsville on March 24th and 25th next year. Plenary talks will be given by H. T. Banks (North Carolina State University), Susanne C. Brenner (Louisiana State University), Jerrold R. Griggs (University of South Carolina), and Max D. Gunzburger (Florida State University). Details are available online at <http://mullai.uah.edu/~ravindra/SEAS2012.html>.

## Future Meetings

The Oak Ridge National Laboratory will be hosting the 2013 SIAM-SEAS Annual Meeting, but venues have yet to be selected for meetings thereafter. If you're interested in hosting a future meeting at your home institution, email [president@siam-seas.org](mailto:president@siam-seas.org)! A list of past venues is visible at <http://siam-seas2011.org/PastMeetings.html>.

## New Officer Election

Patricio Vela succeeded Scott Kelly as President of SIAM-SEAS this summer, but we have yet to elect a Secretary / Treasurer for the 2011-12 term. The person elected to this office will succeed Patricio as President next year. Any dues-paying member of SIAM-SEAS is eligible to vote. The dues for 2011-12 membership are \$10. You can pay your dues electronically and cast your vote at <http://diffeomorphism.com> — we're hoping this will go smoothly — or you can email your vote to [president@siam-seas.org](mailto:president@siam-seas.org) and snail-mail your dues to either of these addresses:

Patricio Vela  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
777 Atlantic Drive NW  
Atlanta, GA 30332-0250

Scott David Kelly  
Dept. of Mechanical Engineering and Engineering Science  
University of North Carolina at Charlotte  
9201 University City Boulevard  
Charlotte, NC 28223-0001

You can vote for anyone at all — just write in the name of your choice — but our one official candidate is Marc Niethammer. Here's a brief biography of Marc, followed by a statement about his interest in becoming a SIAM-SEAS officer:

Marc Niethammer received his PhD in Electrical and Computer Engineering from the Georgia Institute of Technology in 2004. Following post-doctoral training at Harvard Medical School/Brigham and Women's Hospital, he is now an Assistant Professor at the University of North Carolina at Chapel Hill with a joint appointment in the Department of Computer Science and with the Biomedical Research Imaging Center (BRIC).

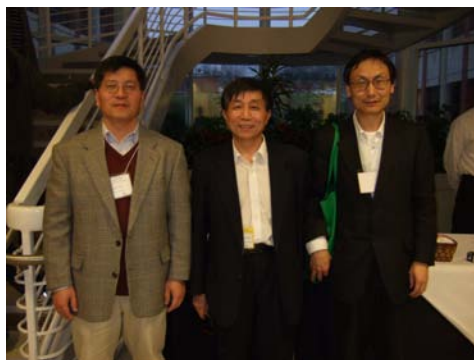
His research interests lie in the areas of biomedical image analysis focusing on application-driven algorithm design for segmentation, registration, and shape analysis. Current main application areas include osteoarthritis, skin cancer, and neurodevelopment. He is particularly interested in estimation methods for image-based time series analysis, many of whose solutions rely on numerical methods for partial differential equations.

*"As a researcher at the cross-roads of computer science and electrical engineering, mathematics and applied mathematics have provided the core principles informing my advances. The Society of Industrial and Applied Mathematics is really the one organization whose members embody my research philosophy. In my desire to positively contribute to the academic community, I see SIAM as the community where my commitment would be mutually beneficial. I see my contribution to SIAM-SEAS in concrete terms. In particular, I would like to assist in enhancing the level of participation of SIAM-SEAS and plan to do so by improving the communication and dissemination of SEAS activities and membership."*

Votes will be tallied on 26 August, so please vote soon. And if you're interested in serving as a SIAM-SEAS officer yourself in the future, please email [president@siam-seas.org](mailto:president@siam-seas.org) to volunteer!

## Who Should Pay Dues and Why?

SIAM-SEAS was founded in 1977 to serve as a link between SIAM and the community of scientists, engineers, and applied mathematicians in Alabama, Florida, Georgia, the Carolinas, and Tennessee, but membership is open to everyone. More participants in our last Annual Meeting came from Virginia than from any other state outside the Carolinas. Your membership dues contribute to a modest fund that's used by SIAM-SEAS to support student travel to conferences and to sponsor local events of a mathematical nature at members' home institutions. In fact, if you're a dues-paying member and you're organizing an event of your own, email [president@siam-seas.org](mailto:president@siam-seas.org) to find out how SIAM-SEAS can help!



Scenes from the spring meeting at UNC Charlotte. *Top left:* Members of the organizing committee with the plenary speakers. *Top right:* Mitchell Worley from Wofford College receives the award for Best Student Poster. *Bottom left:* Shuai Jiang from the University of South Carolina receives the award for Best Student Presentation. *Bottom right:* Jian-Qin Liu (right) came all the way from Japan's National Institute of Information and Communications Technology to participate.