

## **SIAM Unwrapped**

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### **Volume 2, Issue 4, Winter 2007**

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SIAM Unwrapped is a free electronic newsletter distributed quarterly to SIAM members that provides links to industry news, information on membership, meetings, publications, and other activities of interest.

Dear SIAM Member,

This quarter's issue contains the 2007 SIAM Election Update with results from the general elections and several SIAM Activity Groups. Please note the SIAG on Optimization election is still in progress.

The SIAG on Imaging Science is about to begin their election soon.

All election results will be posted to [www.siam.org](http://www.siam.org) as they become available.

As always, please send us your news and stories! We would like to hear from you.

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**::: 2007 SIAM ELECTION UPDATE :::**

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**\*SIAM General Election Results -**

Nearly twenty-four percent of eligible members voted in the SIAM general election. The results, counted and certified by Survey and Ballot Systems, are as follows:

- Douglas N. Arnold, President
- David E. Keyes, Vice President at Large
- L. Pamela Cook, Secretary
  
- Board of Trustees: John G. Lewis; Jerrold E. Marsden; Stephen Wright;
  
- Petter E. Bjorstad to fill remaining one year of the seat vacated by Tony Chan.
  
- Council: Steven J. Cox; Margot Gerritsen; Mary Pugh; Mary Silber;
- Timothy A. Davis - To fill remaining two years of the seat vacated by Douglas Arnold (as directed by Council).

For more detailed information regarding terms please visit

<http://www.siam.org/about/news-siam.php?id=1232>

**\*SIAG CST elects new officers -**

The SIAM Activity Group on Control and Systems Theory has elected new officers to serve (in positions indicated) two-year terms January 1, 2008. The following people have been elected:

- Ralph Smith, Chair
- Fariba Fahroo, Vice Chair
- William McEneaney, Program Director
- Michael Demetriou, Secretary

**\*SIAG DM elects new officers -**

The SIAM Activity Group on Discrete Math has elected new officers to serve (in the positions indicated) two-year terms beginning January 1, 2008. The following people have been elected:

- Carla Savage, Chair
- Bojan Mohar, Vice Chair
- Mark Kayll, Program Director
- Lorna Stewart, Secretary

**\*SIAG DS elects new officers -**

The SIAM Activity Group on Dynamical Systems has elected new officers to serve (in the positions indicated) two-year terms beginning January 1, 2008. The following people have been elected:

- Mary Lou Zeeman, Chair
- Arjen Doelman, Vice Chair
- Jeffrey Moehlis, Program Director
- Evelyn Sander, Secretary

**ADVISORY BOARD**

- Christopher Jones
- Bernd Krauskopf
- Konstantin Mischaikow
- Mary Pugh
- Harry Swinney

**\*SIAG OPSF elects new officers -**

The SIAM Activity Group on Orthogonal Polynomials and Special Functions has elected new officers to serve (in the positions indicated) for three-year terms beginning January 1, 2008. The following officers have been elected:

- Francisco Marcellan, Chair
- Peter Clarkson, Vice Chair
- Pete McCoy, Program Director
- Dan Lozier, Secretary

**\*SIAG SC elects new officers -**

The SIAM Activity Group on Supercomputing has elected new officers to serve (in the positions indicated) two-year terms beginning January 1, 2008. The following people have been elected:

- Mike Heroux, Chair
- Paul Hovland, Vice Chair
- Cindy Phillips, Program Director
- Ali Pinar, Secretary

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**::: SIAM HQ UPDATE :::**

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**\*SIAM plays active roll in campus life through student chapters** - The 2006-2007 academic year proved to be a very productive one for SIAM Student Chapters. Many of the chapters hosted conferences, organized and participated in community outreach programs, sponsored visiting lecturers, and hosted a variety of social activities. Read more here:

<http://www.siam.org/students/news.php?id=1192>

**\*The SIAM Job Board continues to grow** - The SIAM Job Board currently hosts 298 resumes, 286 employers, and 403 professional opportunities and it continues to grow. The Job Board is a great place for students, or early career professionals in the fields of applied mathematics and computational sciences to get started in their career. Check it out at [http://jobs.siam.org/home/index.cfm?site\\_id=686](http://jobs.siam.org/home/index.cfm?site_id=686).

**\*Third Annual Moody's Mega Math (M3) Challenge expanding to include more high schools** -

Moody's Mega Math (M3) Challenge is expanding in its third year beyond the New York City metropolitan area to include metropolitan Boston, Philadelphia and surrounding areas as well as the New York City region. The M3 Challenge is an applied mathematics competition open to high school juniors and seniors funded by The Moody's Foundation and organized by SIAM. Winning teams receive scholarships for continuing education totaling \$65,000. Read more here:

<http://M3Challenge.siam.org>.

**\*SIAM Online Store** - clothing and more

We are pleased to announce the new SIAM Online Store where you can buy unique gifts, apparel, and more imprinted with the official SIAM logo and other distinctive designs. Check it out here:

[http://www.cafepress.com/siam\\_store](http://www.cafepress.com/siam_store)

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**::: APPLIED MATH IN THE NEWS :::**

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**\*Mathematician works to make virtual surgery a reality** - Joseph Teran, a UCLA mathematician, along with other scientists is making advances in computational geometry, partial differential equations and large- scale computing that are accelerating virtual surgery. Read more here:

<http://www.sciencedaily.com/releases/2007/11/071126162542.htm>

**\*Flow Formula - A mathematical framework for forecasting traffic flow** - In the UK, the Highways Agency, Transport Research Laboratory and the Knowledge Transfer Network for Industrial Mathematics are working together in a project which aims to predict traffic jams and ultimately help alleviate roadway congestion. They hope to build mathematical models that may some day be used by an automatic traffic control system. Read more here:

<http://www.theengineer.co.uk/Articles/303365/Traffic+flow+formula.htm>

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**::: CONFERENCE NEWS & NOTES :::**

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**\*Four-day program on climate change at Joint Mathematics Meetings in San Diego** - There will be an unprecedented 4-day program on mathematical challenges in climate change at the Joint Math Meetings in San Diego, January 6-9, 2008. As part of this program California Congressman Jerry McNerney will give a 15-minute talk at the session titled "From Global Predictions to Action iV," at 1:00 p.m. on Tuesday, January 8.

For more information about these SIAM sponsored sessions, including a detailed schedule of all events please visit, <http://www.bowdoin.edu/faculty/m/mlzeeman/state-of-the-planet/index.shtml>

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If your email does not support the hyperlink features, please copy any of the above URLs and paste them into your Internet browser.

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