

## ***SIAM Unwrapped – December 2014***

*News & announcements for the SIAM membership community*



Dear SIAM members,

Be sure to renew your SIAM and SIAG memberships for 2015. Free student members must renew too, and all students can get up to 2 SIAG memberships for FREE!

SIAM's [Member Get a Member](#) promotion is ending soon! There are only a couple weeks left for an opportunity to win an iPad, a free SIAM Membership, conference registration, or book.

Do you know other mathematicians or scientists that could benefit from the value of SIAM membership? Encourage them to [join](#) today!

Regards,

Karthika Swamy Cohen

Editor

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### **Contents:**

#### **PUBLIC AWARENESS**

- Call for videos and animations for SIAM's portal
- Videos show interesting uses of math in the life sciences
- Latest from SIAM Blogs

#### **PUBLISHING NEWS & NOTES**

- SIAM e-books are 40% off in December!
- SIAM journals offer Open Access option

#### **UPDATES ON CONFERENCES & PRIZES**

- Looking forward to CSE15
- Who will be at the CSE15 Career Fair?
- Travel Awards for CSE15
- Apply for Gene Golub SIAM Summer School 2015
- Call for Proposals: Gene Golub SIAM Summer School 2016
- SIAM sessions at 2015 Joint Mathematics Meetings

- Child Care Grants at two SIAM meetings in 2015
- SIAM conference registrations & submissions
- Prize nomination deadlines

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::: PUBLIC AWARENESS :::  
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### **Call for videos and animations for SIAM's portal**

Do you have an interesting model, simulation or animation that demonstrates the use of math to study a problem or answer a question? Send it in to SIAM!

SIAM is attempting to collect visual demonstrations of applied math and computational science in action. Such videos will be a great complement to SIAM's growing collection of videos on our [YouTube channel](#).

Email your video or animation to [pao@siam.org](mailto:pao@siam.org) with "SIAM Video portal" in the subject line. Select submissions will be showcased on our YouTube channel.

### **Videos show interesting uses of math in the life sciences**

Talking of videos that demonstrate math and science in action, have you checked out recent videos from SIAM? In our [latest series](#), Arthur Lander (University of California, Irvine) [explains how](#) math is used to study regulated growth during development and by extension, the uncontrolled growth we see in cancers; Norman Mazer (Roche Innovation Center, Basel) [talks about](#) using mathematical models to analyze cholesterol metabolism and determine what makes cholesterol good or bad; Jeff Sachs (Merck) [explains how](#) mathematical models can make seemingly insurmountable amounts of data in medicine and biotechnology more manageable and informative; and Jasmine Nirody (University of California, Berkeley) goes back to the basics [to explore](#) how math and biophysics can be used to study one of the most primitive of biological processes: bacterial movement.

Head on over and view the videos!

<http://connect.siam.org/tag/l14/>

### **Latest from SIAM Blogs**

Most recently on SIAM Blogs, Sven Leyffer [gives useful tips](#) and guidelines on writing successful grant proposals; Secretary of the SIAM Activity Group on Linear Algebra David Bindel [encourages outreach](#) in the linear algebra community; Nick Higham [calls for](#) better book indexes; and SIAM VP for Education Peter Turner [recaps](#) a Conference Board of the Mathematical Sciences forum on improving the first two years of college math.

Also look for interesting older posts on the [math of future cities](#) and a [revisited book review](#) from the 2002 issue of *SIAM Review*.

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**::: PUBLISHING NEWS & NOTES :::**

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### **SIAM e-books are 40% off in December!**

If you've never bought a SIAM e-book, December is your chance to give it a try.

Save 40% off list price on SIAM e-books all month on [Google Play](#)<sup>®</sup>. SIAM e-books on Google Play are regularly priced an average of 20% below the list price for our print versions, and December's sale doubles these savings. SIAM e-books are economical, environmentally friendly, and compatible with most e-readers, tablets, smartphones, and personal electronic devices. They're also readable online and offline, wherever you are.

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### **SIAM journals offer Open Access option**

When a manuscript is accepted for publication, SIAM journal authors may opt to pay a one-time fee of \$2500. The payment of this Article Processing Charge (APC) places the full published version of the article in Open Access, freely available to all. This option is voluntary and is solely up to the author, who may have funding available to put to this use.

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**::: UPDATES ON CONFERENCES & PRIZES :::**

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### **Looking forward to CSE15**

Computational science and engineering is indispensable for leading edge investigation and engineering design in a vast number of industrial sectors, including aerospace, automotive, biological, chemical, and semiconductor technologies that all rely increasingly on advanced modeling and simulation. It's little wonder that the SIAM Conference on Computational Science and Engineering is among the most popular of SIAM meetings, and is fast growing to be one of the largest. See why you should attend [2015's meeting](#):

- A [stellar lineup](#) of invited speakers
- [Featured minisymposia](#) with broadly accessible introductions to six major topics
- Expanded [poster sessions](#) and new poster prizes
- Professional development activities including a career fair (see more below), career panel, and a professional development evening session
- [NSF-SIAM Symposium on Materials](#) on the mathematical and computational aspects of materials science
- [Minitutorials](#) on *Python Visual Analytics for Big Data* and *Lab Skills for Scientific Computing*
- Location: From exploring Utah's natural history and experiencing the music and art scene to taking a ride on an alpine rollercoaster, there is a lot to see and do in Salt Lake City

### Who will be at the CSE15 Career Fair?

The Career Fair at the SIAM Conference on Computational Science and Engineering (CSE15) presents a unique opportunity for job seekers to meet prospective employers, and now has eight participating organizations: Boeing, Kitware, Lawrence Berkeley National Laboratory, MathWorks, NVIDIA, Oak Ridge National Laboratory, Quantlab and the NSA.

Job seekers must pre-register for the meeting by January 28. During preregistration, students may indicate whether or not they will attend the career panel and luncheon. Space is limited, so be sure to sign up. Lunch is free for students.

Resumes may now be submitted to [marketing@siam.org](mailto:marketing@siam.org) (using subject line "CSE15 Career Fair Resume – LAST NAME") through February 27, 2015 in order to be included in a resume booklet, which will be distributed to exhibitors prior to the event. Check guidelines for resumes at:

<http://www.siam.org/meetings/cse15/career.php>

### Travel Awards for CSE15

The deadline for applications for travel awards to attend ICIAM 2015 is fast approaching. To submit an application, go to <http://www.siam.org/meetings/iciam15/>. Read the terms of the grants and follow the instructions.

### Apply for Gene Golub SIAM Summer School 2015

The 2015 Gene Golub SIAM Summer School on *RandLA: Randomization in Numerical Linear Algebra* to take place June 15-26, 2015, in Delphi, Greece is now accepting applications. More information can be found at [http://www.cs.rpi.edu/~drinep/G2S3\\_RandNLA\\_2015/](http://www.cs.rpi.edu/~drinep/G2S3_RandNLA_2015/). The application deadline is February 1, 2015. View the [archives](#) for previous schools to learn more.

### Call for Proposals: Gene Golub SIAM Summer School 2016

SIAM is calling for letters of intent proposing topics and organizers for the 2016 Gene Golub SIAM Summer School (G2S3). Preference will be given to a computational linear algebra theme in 2016, but all

areas of applied and computational mathematics will be considered. SIAM will contribute up to \$95,000 towards the running of the summer school, which is expected to run two weeks and accept 40-50 graduate students. The deadline for letters of intent is January 31, 2015. Full proposals are due March 31, 2015. For more details, and a template for the letter of intent, visit: [www.siam.org/students/g2s3/summer\\_call.php](http://www.siam.org/students/g2s3/summer_call.php)

### **SIAM sessions at 2015 Joint Mathematics Meetings**

If you are attending the 2015 Joint Mathematics Meetings, January 10-13, 2015 in San Antonio, Texas, you may be interested in the SIAM minisymposia sessions that are part of the program. There is also a SIAM Invited Address to be delivered by A. Tropp, California Institute of Technology, on Sunday January 11, 2015. For more information, see <http://www.siam.org/meetings/jmm15/index.htm>

### **Child Care Grants at two SIAM meetings in 2015**

SIAM is offering up to \$250 per family for attendees who bring children to the [2015 SIAM Conference on Computational Science and Engineering \(CSE15\)](#) or the [2015 SIAM Conference on Dynamical Systems \(DS15\)](#). A description of the kinds of expenses reimbursable can be found under [Guidelines for Reimbursable Child Care Expenses](#).

Deadline for applications for CSE15 grants is January 16, 2015. See <http://www.siam.org/meetings/cse15/childcare.php>.

Deadline for application for DS15 grants is March 23, 2015. See <http://www.siam.org/meetings/ds15/childcare.php>

### **SIAM conference registrations & submissions**

[SIAM Workshop on Network Science \(NS15\)](#), May 16-17, 2015, Snowbird, Utah, USA

Deadline for submissions: January 10, 2015

<http://www.siam.org/meetings/ns15/index.php#ns15sub>

[The 13th International Symposium on Orthogonal Polynomials, Special Functions and Applications \(OPSFA13\)](#), June 1-5, 2015, Gaithersburg, Maryland, USA

Abstracts for contributed and minisymposium speakers submissions are due: February 2, 2015

<http://www.siam.org/meetings/opsfa13/submissions.php>

[SIAM Conference on Mathematical and Computational Issues in the Geosciences \(GS15\)](#), June 29-July 2, 2015, Stanford, California, USA

Minisymposium proposals submissions deadline: December 11, 2014

Abstracts for minisymposia, contributed lectures and poster submissions deadline: January 15, 2015

<http://www.siam.org/meetings/g15/submissions.php>

[SIAM Conference on Control and Its Applications \(CT15\)](#), July 8-10, 2015, Paris, France

Minisymposium proposals submission deadline: January 12, 2015

Abstracts for contributed and minisymposium speaker submission deadline: January 21, 2015

<http://www.siam.org/meetings/ct15/submissions.php>

Full Paper for consideration in Proceedings: January 21, 2015

<http://www.siam.org/meetings/ct15/proceedings.php>

Hotel information is now posted at <http://www.siam.org/meetings/ct15/hotel.php>. It is recommended that attendees make their reservations early.

**[8th International Congress on Industrial and Applied Mathematics \(ICIAM 2015\)](#)**, August 10-14, 2015, Beijing, China

SIAM is offering approximately 100 travel grants, funded by the U.S. National Science Foundation, for individuals traveling from U.S. institutions to ICIAM 2015

Deadline for SIAM travel grant applications: December 12, 2014

<http://www.siam.org/meetings/iciam15/>

Deadline for contributed papers: December 30, 2014

Notification of final decisions on contributed papers: January 30, 2015

Submission due of accepted minisymposia abstracts: February 28, 2015

Closing date for poster submission: April 30, 2015

Notification of final decisions on posters: within one month of submission

Submissions site and information at <http://www.iciam2015.cn/Submissions.html>

Early-bird registration will open January 1

**[SIAM Conference on Applied Algebraic Geometry \(AG15\)](#)**, August 3-7, 2015, Daejeon, South Korea

Deadline for Minisymposia submissions: December 15, 2014

<http://camp.nims.re.kr/activities/eventpages/?id=200&action=minisymposium>

The conference registration fee will be waived for Minisymposia speakers and organizers!

Pre-registration deadline: July 10, 2015

<http://camp.nims.re.kr/activities/eventpages/?id=200&action=registration>

### Prize nomination deadlines

**[SIAG/GS Career Prize](#)**: December 15, 2014

**[Lagrange Prize in Continuous Optimization](#)**: February 1, 2015

**[SIAM Student Paper Prize](#)**: February 15, 2015

**[Best SICOM Paper Prize](#)**: February 15, 2015

**[SIAG/LA Prize](#)**: February 15, 2015

For the complete list of the call for nominations, please visit:

<http://www.siam.org/prizes/nominations.php>

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them into your Internet browser. Questions/comments/suggestions? Send them to [karthika@siam.org](mailto:karthika@siam.org).

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