

## **SIAM Unwrapped - August 2013**

News & announcements for the SIAM membership community

Download a PDF version



Dear SIAM members,

Don't forget to stay with SIAM! During the first week in September you will receive an email from "[renewals@siam.org](mailto:renewals@siam.org)" about renewing your membership for 2014. The e-mail will allow you to link directly to your SIAM membership account and either pay your dues online or print out a renewal invoice to mail or fax your payment. Free student members must also renew.

Please whitelist the email address [renewals@siam.org](mailto:renewals@siam.org) to ensure that you receive this important communication. Contact customer service at [membership@siam.org](mailto:membership@siam.org) with questions.

Regards,

Karthika Muthukumaraswamy

Editor

---

*This issue of SIAM Unwrapped brought to you with the support of:*



### **Contents:**

#### **SIAM HQ UPDATE**

- Charting SIAM's progress
- Recognizing 2013 Fellows and looking forward to 2014
- Congratulations, SIAM prize recipients!
- Report on Modeling across the curriculum

#### **PUBLISHING NEWS AND NOTES**

- SIAP supplements papers
- SIAM ebooks on Google Play™

## **UPDATES ON CONFERENCES & PRIZES**

- Recapping the SIAM Annual Meeting
- DS13 and MS13 presentations available to view
- Major SIAM prizes for 2014 up for nominations
- Nominate a colleague for a SIAG prize!
- Cole Lectureship and the Von Kármán Prize
- Conferences accepting registrations and submissions
- Open calls for prize nominations and submissions

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

### **Charting SIAM's progress**

As is customary, the business meeting held during SIAM's annual meeting in San Diego in July, recapped SIAM's growth in terms of membership and finance. In case you missed it, you can still see how SIAM is growing and changing by reviewing the presentations. View SIAM President Irene Fonseca's [2012 Annual Report](#) and the [2012 Financial Report](#) to members presented by SIAM Director of Finance and Administration Susan Palantino.

### **Recognizing 2013 Fellows and looking forward to 2014**

The 2013 Class of SIAM Fellows was recognized at the annual meeting in San Diego. Please view details on the new Fellows and a group photo here:

<http://connect.siam.org/announcing-the-2013-class-of-siam-fellows>

It's now time to start selecting our next class of distinguished professionals! Nominations are now open for the 2014 Class of Fellows. Support your profession by helping SIAM identify members who have made the most significant contributions to our fields. Nominate up to two colleagues who have demonstrated excellence in research, industrial or government work, educational activities, or any activity related to the goals of SIAM.

Fellows will be announced March 28, 2014, and recognized at the Prizes and Awards Luncheon at the 2014 SIAM Annual Meeting (AN14). Visit <http://www.siam.org/prizes/fellows/nomination.php> for complete information and instructions on nominations. Nominations of women, those in industry, members outside the US as well as from underrepresented groups are especially encouraged.

### **Congratulations, SIAM prize recipients!**

SIAM would like to congratulate all 2013 recipients of SIAM's prestigious prizes. The goal of SIAM's extensive prize program is to recognize outstanding researchers and scientists in the applied mathematics and computational science fields. From students and early-career professionals to

seasoned scientists and lifetime achievers, there is something for every experience and level of performance. Many of the major prize recipients were recognized at the SIAM Annual Meeting held in San Diego in July. To read details on all prizes and awardees, view the prize booklet:

[http://www.siam.org/prizes/2013\\_luncheon.php](http://www.siam.org/prizes/2013_luncheon.php)

To view detailed press releases for major prizes awarded during the 2013 conference year, with accompanying pictures, go to:

<http://connect.siam.org/tag/an13-prizes/>

### **SIAM reports on Modeling across the Curriculum**

In August 2012, SIAM conducted an NSF-funded workshop on “Modeling across the Curriculum,” with the aim of increasing math modeling in undergraduate curricula, developing STEM high school courses based on math, as well as assessing and improving college STEM readiness. The report from the workshop, which is [now available](#), focuses on what SIAM and its membership can do in collaboration with other applied mathematicians and computational scientists, in addition to the use of existing and new NSF programs to help achieve improvements in STEM education.

The main actions recommended by the report include increasing math modeling in undergraduate and K-12 curricula by developing modeling and applied mathematics courses, identifying strong and successful approaches to modeling curriculum, developing content and teacher training material, engaging experts for mentoring, and building an awareness campaign for educators. In addition, the report recommends developing a repository of materials for all levels of mathematical modeling instruction and understanding, including course lesson plans, articles, books, websites, videos, problems, and contests.

The complete discussion and conclusions from the workshop are available on the [SIAM Reports](#) page here:

[http://www.siam.org/reports/modeling\\_12.pdf](http://www.siam.org/reports/modeling_12.pdf)

-----  
::: PUBLISHING NEWS AND NOTES :::  
-----

### **SIAP supplements papers**

At an Editorial Board meeting in July, [SIAM Journal on Applied Mathematics](#) (SIAP) decided to join a growing list of SIAM journals that – under a policy approved mid-winter – will consider unrefereed supplementary materials that authors anticipate will help fully document research contained in their papers as well as facilitate readers' ability to understand and extend the work. Authors who wish to pursue this option must include the supplemental files at the time of manuscript submission. Though not formally refereed, these materials are available to the referees, who may choose to comment on

suitability. Such content may include additional figures or examples, animations, data sets used in the paper, or computer code used to generate figures or tables. Supplementary Materials will be linked from the main article webpage and clearly marked as unrefereed. Other SIAM journals now considering unrefereed content of this nature are SIMA, SIMAX, SINUM, SIREV, and SISC.

### **SIAM ebooks on Google Play™**

SIAM books are available electronically on Google Play™ in the U.S., Canada, Italy, France, Spain, Germany, the U.K., and Australia for use with popular e-book platforms, including Apple™ and Android™ devices; Nook™; Sony® eReader as well as most tablets, laptops, smartphones, and desktop computers. To purchase, visit [play.google.com](http://play.google.com) and search for your desired title. In addition, the SIAM e-book collection is available at participating institutions. Ask your library to see if access is available, and request it if it isn't!

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

### **Recapping the SIAM Annual Meeting**

The 2013 SIAM Annual Meeting and accompanying SIAM Conference on Control and Its Applications were great successes. With over 1100 mathematicians and computational sciences in attendance from all over the world, it was a perfect setting for discussion of innovative and ground-breaking research in the field, spanning academia, industry and government. You can view the [AN13 album](#) on the SIAM Facebook page to check out a whole array of photographs from various sessions, the Prize Luncheon and other events. You can also view the [Twitter archive](#) for a snapshot of the scientific conversation the meetings inspired. Stay tuned for video clips as well as audio-synchronized slides from the meetings to be posted soon on [SIAM Presents ... Featured Lectures from our Archives](#).

### **DS13 and MS13 presentations available to view**

Missed DS13 or MS13? Or just want to revisit one of the invited lectures or minisymposia? Presentations of select sessions from both the SIAM Conference on Applications of Dynamical Systems (DS13) and the SIAM Conference on Mathematical Aspects of Materials Science (MS13) are now available on [SIAM Presents](#), our archive of featured lectures. View and listen to topics in a wide range of areas including biology, networks, crystals, and molecular dynamics. The slides and audio recordings of the talks can be found on the individual links below:

DS13:

[https://live.blueskybroadcast.com/bsb/client/CL\\_DEFAULT.asp?Client=975312&PCAT=5671&CAT=6386](https://live.blueskybroadcast.com/bsb/client/CL_DEFAULT.asp?Client=975312&PCAT=5671&CAT=6386)

MS13:

[https://live.blueskybroadcast.com/bsb/client/CL\\_DEFAULT.asp?Client=975312&PCAT=5671&CAT=6495](https://live.blueskybroadcast.com/bsb/client/CL_DEFAULT.asp?Client=975312&PCAT=5671&CAT=6495)

### **Major SIAM prizes for 2014 up for nominations**

All SIAM prizes, which include major prizes to be awarded at the 2014 SIAM Annual Meeting, currently seeking nominations are posted on the prize nominations page:

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

Major prizes include the Richard DiPrima Prize, George Polya Prize, The John von Neumann Lecture, the Reid Prize, Cole Lectureship, and Von Karman Prize, nominations for all of which are due October 15, 2013. Nominations for the AWM-SIAM Sonia Kovalevsky Lecture are due November 1, 2013 and for the SIAM Student Paper Prize are due February 15, 2014. Please view the complete list at the link above.

### **Nominate a colleague for a SIAG prize!**

Six prizes will be awarded by SIAM Activity Groups in 2014. We are accepting nominations for: SIAG/Supercomputing Career Prize; SIAG/Supercomputing Junior Scientist Prize; SIAG/Imaging Science Prize; SIAG/Optimization Prize; Denes Konig Prize (SIAG/Discrete Math); and the Martin Kruskal Lecture (SIAG/NWCS). The due date for all nominations is September 15. To read instructions on how to nominate a colleague, visit <http://www.siam.org/prizes/nominations.php>. SIAM prizes accepting nominations are listed at the end of every issue of *Unwrapped*.

### **Cole Lectureship and the Von Kármán Prize at AN14**

The Julian Cole Lectureship and Theodore von Kármán Prize will be awarded at the SIAM Annual Meeting in 2014. We encourage your nominations for all 2014 prizes and ask you to think of colleagues who deserve particularly the Cole Lectureship and the Von Kármán Prize, prizes given only once every few years.

The Julian Cole Lectureship, awarded every 4 years, is given to any member of the scientific or engineering community for an outstanding contribution to the mathematical characterization and solution of a challenging problem in the physical or biological sciences, or engineering, or for the development of mathematical methods for the solution of such problems.

[http://www.siam.org/prizes/nominations/nom\\_cole.php](http://www.siam.org/prizes/nominations/nom_cole.php)

The Theodore von Kármán Prize, awarded every 5 years, is given for a notable application of mathematics to mechanics and/or the engineering sciences made during the five to ten years preceding the award and may be given either for a single notable achievement or for a collection of such achievements.

[http://www.siam.org/prizes/nominations/nom\\_vonkarmán.php](http://www.siam.org/prizes/nominations/nom_vonkarmán.php)

### **Conferences accepting registrations and submissions**

[SIAM Conference on Parallel Processing for Scientific Computing \(PP14\)](#), February 18-21, 2014, Portland, Oregon, USA

Deadline for abstracts for contributed speakers: August 22, 2013

<http://www.siam.org/meetings/pp14/submissions.php>

**[Algorithm Engineering and Experiments \(ALENEX14\)](#)**, January 5, 2014, Portland, Oregon, USA

Deadline for extended abstracts: September 30, 2013

<http://www.siam.org/meetings/alenix14/submissions.php>

**[SIAM International Conference on Data Mining \(SDM14\)](#)**, April 24-26, 2014, Philadelphia, Pennsylvania, USA

Deadline for workshop/tutorial proposals: September 27, 2013

Deadline for abstract submissions: October 6, 2013

Deadline for paper submissions: October 13, 2013

<http://www.siam.org/meetings/sdm14/submissions.php>

**[SIAM Conference on Imaging Science \(IS14\)](#)**, May 12-14, 2014, Hong Kong

Deadline for submission of minisymposia and minitutorial proposals: September 30, 2013

Deadline for submission of abstracts for minisymposia and contributed speakers: October 30, 2013

<http://www.math.hkbu.edu.hk/SIAM-IS14/>

**[SIAM Conference on Optimization \(OP14\)](#)**, May 19-22, 2014, San Diego, California, USA

Deadline for submission of minisymposia proposals: October 21, 2013

Deadline for submission of abstracts for minisymposia and contributed speakers: November 18, 2013

<http://www.siam.org/meetings/op14/submissions.php>

### **[Open calls for prize nominations and submissions](#)**

For the following prizes, the nomination deadline is September 15, 2013:

SIAG/Supercomputing Career Prize

SIAG/Supercomputing Junior Scientist Prize

SIAG/Imaging Science Prize

SIAG/OPT Prize

Dénes König Prize

Martin Kruskal Lecture

For the following prizes, nominations are due October 15, 2013:

Julian Cole Lecture

Theodore von Kármán Prize

Richard C. DiPrima Prize

George Pólya Prize

W.T. and Idalia Reid Prize

2014 John von Neumann Lecture

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

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

---

Society for Industrial and Applied Mathematics (SIAM)

3600 Market Street, 6th Floor, Philadelphia, PA, 19104-2688 USA

Phone: +1 215-382-9800 Fax:+1 215-386-7999 [www.siam.org](http://www.siam.org)



If your email does not support the hyperlink features, please copy any of the above URLs and paste them into your Internet browser. Questions/comments/suggestions? Send them to [karthika@siam.org](mailto:karthika@siam.org).

SIAM Unwrapped is a free electronic newsletter distributed monthly to SIAM members. It provides links to industry news, membership information, meetings, publications, and other items of interest.

Please note: If you would prefer not to receive this e-newsletter, reply to this email with the word "unsubscribe" in the subject line and you will be removed from the *SIAM Unwrapped* mailing list.