

SIAM Unwrapped – Annual Meeting 2014 Special Issue

News & announcements for the SIAM membership community



Dear SIAM members,

Are you going to be in Chicago for the 2014 SIAM Annual meeting? SIAM will take the windy city by storm July 7-11 at The Palmer House. Plan to be there!

Have you taken a look at [videos from past SIAM meetings](#)? With the 2014 annual meeting fast approaching, now is a good time to refresh your memory about the exciting research that gets covered at SIAM meetings each year. From the role of big data in science and technology, image processing, and cryptography to liquid crystals, robotic astronomy, disease dynamics, and financial math, SIAM annual meetings span a range of topics. View all videos here: bit.ly/1g2JO6Y

Many audio/slide presentations are also available from annual meetings from 2008 onward on [SIAM Presents](#), to which we anticipate adding content from the 2014 meeting.

Child Care Grants are still available for those bringing their children to AN14. Read details below.

Regards,
Karthika Muthukumaraswamy
Editor

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Share your feedback at the annual business meeting

SIAM members are invited to attend the annual business meeting to be held at the Grand Ballroom on the 4th floor of the Palmer House from 7:15 to 8:00 p.m. on Tuesday, July 8. SIAM officers will give an overview of various programs and activities. Members are encouraged to add to the conversation and discussion by offering their thoughts and ideas on all areas related to the activities of SIAM, including conferences, publications, activity groups, student chapters, and outreach activities. Light fare and beverages will be served.

2014 Fellows and SIAM Prize recipients to be recognized

All 2014 recipients of SIAM prizes as well as the new Class of SIAM Fellows will be recognized at the Prizes and Awards Luncheon to be held Tuesday, July 8, from 12:45 – 2:30 PM at the Chicago Hilton, a few blocks from the conference venue. Admission to the luncheon is included with registration. You can read more about the 32 distinguished members of the community designated as SIAM Fellows earlier this year here:

<http://connect.siam.org/announcing-the-2014-class-of-siam-fellows/>

The following recipients of SIAM prizes will receive their awards from SIAM President Irene Fonseca: I. E. Block Community Lecture: Sep Kamvar; The John von Neumann Lecture: Leslie F. Greengard; The AWM-SIAM Sonia Kovalevsky Lecture: Irene M. Gamba; Julian Cole Lectureship: John Lowengrub; Richard C. DiPrima Prize: Thomas D. Trogdon; George Pólya Prize: Adam W. Marcus, Daniel A. Spielman, and Nikhil Srivastava; W. T. and Idalia Reid Prize in Mathematics Lecture: Alain Bensoussan; Theodore von Karman Prize: Weinan E and Richard D. James; SIAM Prize for Distinguished Service to the Profession: Arieh Iserles; SIAM Award in the MCM: teams from Zhejiang University and Southwest University for Nationalities, both from China, will receive awards for the continuous and discrete problem, respectively. Recipients of the SIAM Student Paper Prize and the SIAM Outstanding Paper Prizes, as yet undetermined, will also receive their awards. Check back for updates on the list of prize recipients here:

<http://www.siam.org/meetings/an14/prizes.php>

Sep Kamvar of Massachusetts Institute of Technology will deliver the I. E. Block Community Lecture titled, “Search and Discovery in Human Networks” from 6:15 PM to 7:15 PM on Wednesday, July 9. Several of the aforementioned awardees will also deliver associated prize lectures. Please refer to the [full program](#) for dates and times.

Invited sessions to add to your calendars

As always, the SIAM Annual Meeting this year presents an exciting lineup of invited sessions, covering a wide range of topics—from network modeling to study cancer genomics, optimization algorithms for machine learning, applications of population dynamics models, cutting-edge algorithms to surmount big data challenges in sequencing, medical genomics and biological networks, to ice sheet dynamics, visual data analysis, and cardiac modeling and simulation.

View the full list of invited speakers [here](http://www.siam.org/meetings/an14/invited.php):

<http://www.siam.org/meetings/an14/invited.php>

Don't miss these workshops!

The [Workshop Celebrating Diversity](#) presents an opportunity for attendees to attend talks presented by scientists from minority and underrepresented communities. Topics will include modeling health problems, risk analysis, and optimization, among others, and span several sessions from Tuesday, July 8 through Thursday, July 10. A full list of sessions and times can be found [here](#).

The [SIAM Workshop on Exascale Applied Mathematics Challenges and Opportunities \(EX14\)](#) will focus on the mathematics behind exascale computing. Providing relevant, accessible and timely material on exascale computing and the mathematical challenges with many-core and accelerated architectures, this new workshop will feature a full day of contributed and invited presentations and discussions. Separate registration is required for the workshop. View more details [here](#).

The [SIAM Workshop on Network Science \(NS14\)](#) will be held July 6-7, and will feature a single session on contributed open problems in network science. The goal of the workshop is to foster an emerging community within SIAM to understand the commonalities and differences among graphs and networks underlying problems in the multidisciplinary field of network science, their impact on each application, and the new mathematics needed to accomplish these tasks. Separate registration is required for the workshop. More details are [here](#).

Child Care Grants for AN14

SIAM is offering grants of up to \$250 per family for attendees to bring children to the Annual Meeting. For more information and a link to the application form, please visit <http://www.siam.org/meetings/an14/childcare.php>. Deadline for applications is May 15, 2014.

I is for Industry

Monday, July 7 will see a host of industry-focused events at the annual meeting, including an invited talk by Jennifer Tour Chayes of Microsoft Research on models, processes and algorithms devised to study networks in a wide range of industries including technology, medicine and the global economy. A panel will discuss increased focus on industrial mathematics by funding agencies worldwide, and how this impetus can be used to spur new initiatives by industrial institutions that have been relatively slow to respond to increased mathematical research budgets. Two minisymposia will highlight research work by SIAM's industrial members. For full details, visit:

<http://www.siam.org/meetings/an14/special.php#industry>

Have late-breaking research? Submit a poster!

New this year, SIAM is encouraging late-breaking research to be presented at AN14 in poster form. To accommodate this, poster submissions, which originally closed in January, are now open through May 21. Submit your poster now!

For more details, view the announcements section at <http://www.siam.org/meetings/an14/>.

Student Days at a glance

The annual meeting has a series of activities planned to give student attendees the opportunity to meet with and interact with other attendees—be it fellow students, professionals in the field, or SIAM leaders. Student activities will kick off with a student orientation on Sunday, July 6, at 5:00 p.m. The industry panel followed by the career fair on Monday evening will give students a chance to meet with prospective employers – read more about it below. The professional development evening on Thursday will give students yet another opportunity to get information on research opportunities, funding options, and career paths. Student chapter representatives will meet with SIAM leadership for a breakfast meeting on Tuesday. Students will also have a chance to meet informally and converse one-on-one with invited speakers in a special session on Tuesday afternoon. Read full details on Student Days activities here:

<http://www.siam.org/meetings/an14/studentday.php>

Student Days technical sessions

As part of Student Days, winners of the [SIAM Award in the Mathematical Contest in Modeling](#) and the [SIAM Student Paper Prizes](#) will present their winning solutions in two sessions on Wednesday, July 9. Student Days will also feature student chapter presentations where representatives from all over the world will present their research. From math models of arterial walls, transplant rejection, wind turbines and sexual selection of mating displays, to stochastic diffusion processes and linear quadratic programming methods, the talks will cover a variety of topics. View [this link](#) and [this](#) for topics and speakers.

Participate in the Career Fair

The SIAM Applied Mathematics and Computational Science Career Fair, to be held July 7, 7:15-9:15 pm, promises to be a great opportunity for job seekers to meet with government and industry representatives to discuss what organizations are looking for in job candidates as well as what each employer has to offer. Designed to be an informational and interactive event, potential candidates can discuss their unique skills and experience with prospective employers. Resumes must be submitted to Kunkle@siam.org by June 27 in order to be included in the resume booklet, which will be distributed to exhibitors prior to the event. Job seekers must pre-register for the Annual Meeting by June 9.

The Exhibit Hall has something for everyone

Among the many technical sessions and activities, don't forget to visit the Exhibit Hall, where there will be opportunities to connect with more than just caffeine! Vendors and exhibitors will include publishers, software and engineering companies, agencies and societies, such as Cambridge University Press, Elsevier, Princeton University Press, Springer, Oxford University Press, DeGruyter, MathWorks, Digital Product Simulation Inc., International Atomic Energy Agency, and the American Mathematical Society. Free WiFi and Internet stations will be available, as will a chance to interact with other attendees. Students can visit the student lounge in the Exhibit Hall to network with peers.

We would like to extend special thanks to IBM Research for being a sponsor. Sponsorship opportunities are still available! Please visit the following link for details: <http://www.siam.org/meetings/sponsor.php>. If you would like to exhibit, view the [AN14 Exhibitor Kit](#). Contact the SIAM marketing representative at marketing@siam.org for more information.

See you at the SIAM booth!

Be sure to schedule some time to browse SIAM's exhibit (booths 201-209) in the back of the Exhibit Hall adjacent to the coffee service area.

Among the many reasons to visit the SIAM booth:

- get a special AN14 book discount of 40% off list price when you buy two or more SIAM books
- pick up a copy of the just-published 2014-15 SIAM book catalog
- a chance to browse all new books published by SIAM over the past year
- buy a SIAM t-shirt for yourself, your family and friends, and all the applied-mathematics fans in your life. Or join SIAM and get a *free* t-shirt
- refer a new member to SIAM and get an entry to this year's Member-Get-a-Member prize drawing
- fill out this year's SIAM Survey and get a SIAM clock (while supplies last) as a thank-you gift
- get complimentary copies of *SIAM News* and SIAM journals

Access AN14 on the go!

Don't forget to download the AN14 app on your smartphone or tablet to access the schedule, browse speakers, attendees, and exhibitors, take a look at maps and building layouts, sync events with your mobile calendar, and create your own show by selecting specific sessions at the annual meeting. Simply plug www.tripbuilder.com/siam2014events into your mobile browser, and the link will automatically detect the type of device to take you to the right place to download the app. You may also view the mobile site in HTML5 by connecting to www.tripbuilder.net/mw/apps/siam2014events. You can then select AN14 from the list of 2014 SIAM events on the app or mobile site. Content for AN14 will be available the week of June 16.

What to do in Chicago

Deep dish pizza, Lake Michigan, the wind... these are some of the things Chicago is known for. Be sure to experience it all as you juggle technical sessions, workshops, and other activities at the annual meeting. Visit the tallest building in North America at the Willis Tower and step out onto the Ledge's glass boxes, which extend out 4.3 feet from the skyscraper's Skydeck observatory. Take a boat tour along the Chicago River and ride the Ferris wheel at Navy Pier. There's plenty to do on level ground as well—the city has over 19-miles of bike path along Lake Michigan, as well as 33 sandy beaches. Indulge in the windy city's arts and culture at The Art Institute of Chicago, the Chicago Cultural Center, regional theater companies, and live jazz clubs. Want to find science *outside* the annual meeting? Visit the Museum of Science & Industry and the Adler Planetarium. Find much more to do at choosechicago.com.

SIAM conference registrations & submissions

[**SIAM conference registrations & submissions**](#) for 2014 Annual Meeting and workshops co-located with the Annual Meeting

[**SIAM Workshop on Exascale Applied Mathematics Challenges and Opportunities \(EX14\)**](#), July 6, 2014, Chicago, Illinois, USA

[Pre-registration](#) deadline: June 9, 2014

[**SIAM Workshop on Network Science \(NS14\)**](#), July 6-7, 2014, Chicago, Illinois, USA

[Pre-registration](#) deadline: June 9, 2014

[**2014 SIAM Annual Meeting \(AN14\)**](#), July 7-11, 2014, The Palmer House, Chicago, Illinois, USA

[Pre-registration](#) deadline: June 9, 2014

[**SIAM Conference on Financial Mathematics and Engineering \(FM14\)**](#), November 13-15, 2014, Chicago, Illinois, USA

Abstracts for minisymposia and contributed speakers due: May 14, 2014

[**SIAM Conference on Discrete Mathematics \(DM14\)**](#), June 16-19, 2014, Minneapolis, Minnesota, USA

[Pre-registration](#) deadline: Monday, May 19, 2014

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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.

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