

SIAM Unwrapped – December 2015

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Dear SIAM members,

It's that time of year again! As we head into the close of 2015, we have lots to share, starting with the election results for the 2016 SIAM Board of Trustees, Council and officers. Meet the newest leadership, including outcomes from SIAM activity group elections, and don't forget to [renew your SIAM and SIAG memberships](#) for 2016 to ensure you keep reaping all of your member benefits.

Happy holidays!

Becky Kerner
Editor

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::: FROM SIAM HQ :::

Meet SIAM's Newest Leadership: Board, Council, Officers

Following SIAM's recent elections, we are pleased to announce our new Board, Council and officers. Thank you to the entire slate of outstanding candidates for your willingness to serve the SIAM community in this capacity, and the SIAM members who cast your vote in the election. [Learn more about these leaders.](#)

President-Elect

Nicholas Higham, the University of Manchester

Vice President at Large

Ilse Ipsen, North Carolina State University

Secretary

Simon Tavener, Colorado State University*

Board of Trustees

Linda Petzold, University of California Santa Barbara

Lisa Fauci, Tulane University*

Leslie Greengard, Courant Institute, New York University

Council

Andreas Griewank, Yachay Tech, Ecuador*

Tobin Driscoll, University of Delaware

Xiaoye Sherry Li, Lawrence Berkeley National Laboratory

Joel Tropp, California Institute of Technology

* indicates incumbent

Last Call: Member Get a Member Promotion

The deadline for this year's Member Get a Member campaign is fast approaching. If you have a friend or colleague who has yet to discover SIAM, help them connect to the applied math community. Invite them to join SIAM no later than December 31 and you'll both be eligible for the prize drawing in January, with the grand prize of a new Apple iPad. Other prizes include a free additional year of SIAM membership, free registration for a SIAM conference, or a book of your choice from SIAM's bookstore. Plus, everyone

who enters gets a free SIAM t-shirt! Remember, the deadline is December 31, so don't delay! [Learn more.](#)

SIAM News Online: Sign up for E-Alerts

The [December issue](#) of *SIAM News* Online is live! Read about [cardiovascular blood flow simulation](#), [computational plate tectonics](#) and don't forget to [sign up for SIAM News Online alerts](#) so you never miss a beat when the newest issues become available. [Visit SIAM News Online](#) and click the "sign up" button in the top right to get on the list.

::: PUBLISHING NEWS & NOTES :::

FundRef: New Way to Report & Find Funding Sources

This October, SIAM began to offer authors the option, at manuscript submission, to include data about the paper's funding via FundRef. FundRef provides a standard way to report funding sources for published scholarly research. For papers later accepted, SIAM deposits the funding data with CrossRef, along with the work's other bibliographic metadata.

As a journal author, you can add this information through the online submission form. As you begin to type, a dropdown list appears representing the FundRef registry, and you are asked to select the correct funding body from the list. Choosing the FundRef option does not change the necessity for funding information to be included in the article's page 1 footnote, as always.

It is the expectation that FundRef will make the funding process more transparent to readers and funders alike. If interested, [search for work supported by a particular funding body now.](#)

Book Buzz: Newest SIAM Books

The end of the year brings with it an avalanche of new SIAM books. By early 2016, we will have available new titles on ordinary differential equations, optimization, statistics, and much more. Get complete information on all new and upcoming titles on the [official SIAM bookstore page](#). And remember, your SIAM membership means you save 30% on every SIAM book you buy!

Take a look at select new and backlist SIAM titles when attending upcoming conferences, including [the IEEE Conference on Decision and Control](#) (Dec. 15-18, Osaka, Japan), the [American Geophysical Union Fall Meeting](#) (Dec. 14-18, San Francisco, CA), and the [Joint Mathematics Meetings](#) (Jan. 6-8, Seattle, WA).

New SIAM titles include:

- [An Introduction to Domain Decomposition Methods: Algorithms, Theory, and Parallel Implementation](#) by Victorita Dolean, Pierre Jolivet, and Frédéric Nataf (OT144)
- [Ordinary Differential Equations and Linear Algebra: A Systems Approach](#) by Todd Kapitula (OT145)
- [Electrical Transmission System Cascades and Vulnerability: An Operations Research Viewpoint](#) by Daniel Bienstock (MO22)
- [Adaptive Treatment Strategies in Practice: Planning Trials and Analyzing Data for Personalized Medicine](#) by Michael R. Kosorok and Erica E. M. Moodie, Editors (SA21)

- [Stochastic Systems: Estimation, Identification, and Adaptive Control](#) by P. R. Kumar and Pravin Varaiya (CL75)
- [Riemann–Hilbert Problems, Their Numerical Solution, and the Computation of Nonlinear Special Functions](#) by Thomas Trogdon and Sheehan Olver (OT146)

::: CONFERENCE UPDATES :::

Deadlines Approaching: Gene Golub SIAM Summer School

[The 2016 Gene Golub SIAM Summer School](#) on Stochastic Differential Equations and Wave Propagation is happening July 25 – August 5, 2016 at Drexel University, in Philadelphia, Pennsylvania, USA. Interested in attending? The deadline for applications is February 1, 2016. The summer school will precede the [2016 SIAM Conference on Nonlinear Waves and Coherent Structures](#), August 8 – 11, 2016, also being held in Philadelphia. [Apply, download a flyer and find more information.](#)

Interested in running a Gene Golub SIAM Summer School in 2017? Proposals in all areas of applied and computational math will be considered. If interested, submit a letter of intent by January 31, 2016. [Learn more.](#)

Now Available: Conference Child Care Grants

For many of our 2016 meetings, SIAM is offering up to \$250 per family for attendees to bring children to the meeting. Learn more about the kind of expenses covered in our [Guidelines for Reimbursable Child Care Expenses](#).

The child care application period opens approximately five months before the meeting. Find out if the meeting you are attending in 2016 is offering grants by clicking on the “Child Care” link on the right sidebar of the meeting web page.

SIAM Conference Registrations & Submissions

[ACM-SIAM Symposium on Discrete Algorithms \(SODA16\)](#), January 10-12, 2016

[Algorithm Engineering and Experiments \(ALENEX16\)](#), January 10, 2016

[Analytic Algorithmics and Combinatorics \(ANALCO16\)](#), January 11, 2016

Meeting jointly in Arlington, Virginia, USA

[SIAM Conference on Uncertainty Quantification \(UQ16\)](#), April 5-8, 2016, Lausanne, Switzerland

Pre-registration online ends: January 31, 2016, midnight PST

Regular Registration online ends: March 31, 2016

Onsite Registration online available: April 5-8, 2016

[Register Now](#)

[SIAM Conference on Parallel Processing for Scientific Computing \(PP16\)](#), April 12-15, 2016, Paris, France

POSTER DEADLINE EXTENDED to February 2, 2016 (or sooner if session becomes full)

[Submit Now](#)

[SIAM Conference on Mathematical Aspects of Materials Science \(MS16\)](#), May 8-12, 2016, Philadelphia, Pennsylvania, USA

Deadline for contributed lecture, poster and minisymposium presentation abstracts: December 15, 2015
NEW: When submitting contributed lectures or posters, speakers will be requested to identify to which minisymposium they are submitting. Accepted minisymposia will be posted online.

Details on how to submit can be [found here](#)

[SIAM Conference on Discrete Mathematics \(DM16\)](#), June 6-10, 2016, Atlanta, Georgia, USA

Deadline for minisymposia proposals: January 11, 2016

Deadline for contributed lecture, poster and minisymposium presentation abstracts: February 1, 2016

[Submit now](#)

Student and Early-Career Travel Award Deadline: January 22, 2016

[Apply for support](#)

[SIAM Conference on the Life Sciences \(LS16\)](#), July 11-14, 2016, Boston, Massachusetts, USA

Deadline for minisymposia proposals: January 19, 2016

Deadline for contributed lecture, poster, minisymposia, and minisymposium presentation abstracts: February 1, 2016

This meeting is joint with the SIAM Annual Meeting, but program submissions are separate.

[Submit now](#)

Student and Early-Career Travel Award Deadline: February 8, 2015

[Apply for support](#)

[SIAM Annual Meeting \(AN16\)](#), July 11-15, 2016, Boston, Massachusetts, USA

Deadline for minisymposia proposals: January 19, 2016

Deadline for contributed lecture, poster, minisymposia and minisymposium presentation abstracts: February 1, 2016

This meeting is joint with the SIAM Conference on the Life Sciences, but program submissions are separate.

[Submit now](#)

Student and Early-Career Travel Award Deadline: February 8, 2015

[Apply for support](#)

[SIAM Conference on Nonlinear Waves and Coherent Structures \(NWCS16\)](#), August 8-11, 2016,

Philadelphia, Pennsylvania, USA

Deadline for minisymposia proposals: January 11, 2016

Deadline for contributed lecture, poster and minisymposium presentation abstracts: February 8, 2016

[Submit now](#)

Student and Early-Career Travel Award Deadline: January 29, 2016

[Apply for support](#)

Check out the [SIAM Conference Calendar](#) for a full list of SIAM meetings and those sponsored by SIAM.

::: M3 CHALLENGE :::

Registration Now Open, Ways for Members to Get Involved

Registration for the 2016 Moody's Mega Math (M3) Challenge is officially open! The challenge is giving away big bucks this year, with \$150,000+ available in scholarship money. Added bonus: for the first time, the M3 Challenge is officially nationwide, including U.S. territories and DoDEA schools. Interested in getting involved? We want to know what YOU think the subject of this year's problem should be. [Submit your proposed Challenge problem now](#), or [apply to be an M3 judge](#). [#M3Challenge](#)

::: PRIZES :::

New Prize: T. Brooke Benjamin Prize in Nonlinear Waves

SIAG/NWCS announces its new prize, the T. Brooke Benjamin Prize in Nonlinear Waves. It will be awarded for the first time at the SIAM Conference on Nonlinear Waves and Coherent Structures (NWCS16) in August 2016 in Philadelphia. The SIAG/NWCS Martin Kruskal Lecture will be awarded for the 3rd time.

The Benjamin Prize will recognize a mid-career, established researcher (roughly 10-20 years past PhD) for recent outstanding work on a topic in nonlinear waves. The SIAG is preparing to raise an endowment to fund the award.

Nominations are currently welcome for both prizes. See the call for nominations for the [Benjamin Prize](#) and the [Kruskal Lecture](#) for more on eligibility and to find out how to submit your nominations.

Congratulations to Our Recent Joint Prize Recipients

AMS-SIAM Norbert Wiener Prize

Constantine M. Dafermos of Brown University will receive the 2016 Norbert Wiener Prize in Applied Mathematics. Presented by SIAM and the American Mathematical Society, the prize honors Dafermos "for his foundational work in partial differential equations and continuum physics." Well deserved, Dr. Dafermos!

AMS-MAA-SIAM Frank and Brennie Morgan Prize

Amol Aggarwal, a mathematics PhD student at Harvard University, is the recipient of the 2016 Frank and Brennie Morgan Prize for Outstanding Research in Mathematics by an Undergraduate Student, presented by SIAM, the Mathematical Association of American and the American Mathematics Society. Aggarwal is honored for his outstanding research in combinatorics. Congratulations Amol!

[Learn more about SIAM prizes and awards.](#)

Make Your Nominations: Upcoming Prize Deadlines

Don't forget to make nominations for colleagues (or classmates!) who inspire you and deserve to be recognized by the SIAM prize program in 2016, and keep an eye out for more prize announcements in coming months!

[T. Brooke Benjamin Prize \(SIAG/NWCS\)](#) – Deadline: December 31, 2015

[Martin Kruskal Lecture \(SIAG/NWCS\)](#) – Deadline: December 31, 2015

[SIAM Student Paper Prize](#) – Deadline: February 15, 2016

[SIAG/FME Early Career Prize](#) – Deadline: March 15, 2016

[Check out the complete call for nominations list.](#)

::: SIAM ACTIVITY GROUPS :::

Results Are In: SIAG Elections

Congratulations to the SIAM Activity Group members who have been elected to serve as officers of their group starting in the New Year, and thank you for the interest and dedication of all members who ran in the recent election. [Find out who will be leading SIAGs in 2016.](#)

Cheers to a great 2016!

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