

SIAM Unwrapped – June 2015

This issue of Unwrapped brought to you with partial support from:



Premier MATHEMATICS Books **SAVE 25%**

Download a **FREE Chapter Today!**
www.CRCPRESS.com

Promo Code **EZP64**
CRC Press
Taylor & Francis Group

ADVANCED LINEAR ALGEBRA Second Edition
HANDBOOK OF ENUMERATIVE COMBINATORICS
INTRODUCTION TO MODERN CRYPTOGRAPHY Second Edition



Dear SIAM members,

Are you attending the [9th International Congress on Industrial and Applied Mathematics](#) in Beijing? Read some updates on the conference in this issue.

Also, learn about two great video projects that should be of interest to anyone in the mathematical science community.

Regards,

Karthika Swamy Cohen

Editor

Contents:

SIAM HQ UPDATE

- Editor of *SIAM News* retires

PUBLIC AWARENESS

- Should your research be on YouTube?
- MAA-SIAM PIC Math prepares students for industry

PUBLISHING NEWS & NOTES

- EIC Jack Xin talks about *Multiscale Modeling and Simulation*

ICIAM UPDATES

- ICIAM 2015 program available
- SIAM Prizes and Awards Luncheon at ICIAM 2015

UPDATES ON CONFERENCES & PRIZES

- Mathematical Congress of the Americas 2017 Call for Proposals
- SIAM conference registrations & submissions

- Prize nomination deadlines

::: SIAM HQ UPDATE :::

Editor of *SIAM News* retires

SIAM announces the retirement of Gail Corbett, Editor of *SIAM News*. Gail has been Editor of *SIAM News* for 28 years. Her many talents as writer and editor and her greatest talent of searching out interesting and significant articles in the area of applied mathematics have earned her many accolades from SIAM members and the community at large. We want to thank Gail for her dedication and outstanding service to SIAM and the applied math and computational science community. We wish her much happiness.

As SIAM plans for Gail's transition to retirement, we have begun a search for her successor. If interested, please read a full description of the *SIAM News* managing editor (ME) position. Those interested in the position may get in touch with Jim Crowley at Crowley@siam.org or Susan Palantino at Palantino@siam.org.

Read full details here:
<http://connect.siam.org/editor-of-siam-news-retires/>

::: PUBLIC AWARENESS :::

Should your research be on YouTube?

Do you want to craft an effective message about your research, a message that impresses potential employers, garners media attention, and doesn't make a lay person's eyes glaze over? Tell us about your work and explain why you would like help producing a YouTube video communicating it—in a video! Email your video pitch to videopitch@siam.org by July 10. Make sure to address these questions in your pitch: What is your topic? Why is it important? Who will benefit from your work and why you need help communicating it.

Submissions will be judged on prospective content, creativity, and prospective audience, and the winner will receive professional advice and coaching on research communication, along with the services of a professional videographer to film and edit the video. A winning entry will be selected by August 14; all coaching and production work will be completed by the end of 2015.

This project was borne out of the successful "Communication Doctors" booth at the SIAM Conference on Computational Science and Engineering in March, where science journalist Flora Lichtman, whose work has appeared in NPR's Science Friday, *Popular Science* and *The New York Times*, along with SIAM

members Nick Higham (University of Manchester), Jeff Humpherys (Brigham Young University), Rachel Levy (Harvey Mudd College), and Matt Parno (Massachusetts Institute of Technology) listened to elevator pitches of attendees' research and gave ideas to translate them into public-friendly stories worthy of media coverage.

View full details in the June issue of *SIAM News*, and get started on your video!

<http://sinews.siam.org/DetailsPage/tabid/607/ArticleID/501/Should-Your-Research-Be-on-YouTube.aspx>

MAA-SIAM PIC Math prepares students for industry

The PIC Math program, short for Preparation for Industrial Careers in the Mathematical Sciences, helps mathematical science students prepare for industrial careers by engaging them in research problems that come directly from industry. The aim of the program is to raise awareness about non-academic career options to faculty and students, provide a platform for experience working on real problems from business, industry and government, as well as to prepare students for such industrial careers.

You can view all PIC Math videos, covering topics like creating realistic animations and finding safe storage for nuclear waste, at the link below:

<http://www.maa.org/programs/faculty-and-departments/pic-math/solving-real-world-problems>

The program is supported by SIAM and the Mathematical Association of America (MAA) and funded by the National Science Foundation. More details about the program are at

<http://www.maa.org/programs/faculty-and-departments/pic-math>.

::: PUBLISHING NEWS & NOTES :::

EIC Jack Xin talks about *Multiscale Modeling and Simulation*

SIAM Publications Manager Mitch Chernoff interviewed Jack Xin, Editor in Chief of the SIAM journal, *Multiscale Modeling and Simulation* (MMS). They talked about the journal's breadth and reach in the field, Xin's role at MMS—from associated editor to EIC, his interests in applied and computational mathematics, recent changes and challenges in scholarly publishing, as well as the future of the journal and the field.

"Multiscale modeling and methodologies are fundamental to understanding complex systems and phenomena," Xin says. "These tools are classical for solving problems in physical sciences (e.g., physics and chemistry of fluids, materials, and environment), and continue to evolve due to new challenges and technological advances (e.g., nano sciences). In more recent years, there has been a surge of multiscale methods in information, biological and social sciences. Problems in data analytics and machine learning in computer science also present plenty of opportunities."

Read the full interview on SIAM Blogs:

<http://blogs.siam.org/q-a-with-jack-xin-multiscale-modeling-and-simulation-eic/>

::: ICIAM UPDATES :::

ICIAM 2015 program available

The conference program for the [8th International Congress on Industrial and Applied Mathematics](#) (ICIAM 2015) has now been posted on the conference website. View the [block program](#) as well as the full schedule of [minisymposia](#) and [contributed talks](#).

The Congress will be held in Beijing, China on August 10-14, 2015. Following recent traditions, SIAM will not hold its Annual Meeting in 2015 in order to support the ICIAM Congress.

Questions regarding the conference can be sent to organizers at iciam2015@amss.ac.cn.

SIAM Prizes and Awards Luncheon at ICIAM 2015

Are you attending ICIAM 2015? If so, please plan to attend the SIAM Prizes and Awards Luncheon, which is available to SIAM members, prize winners and their guests. Email iciam2015@siam.org by June 12th if you plan to attend the luncheon, as we need to provide a head count. Tickets for the lunch can be picked up at the SIAM exhibition table on site. The luncheon will be held on Thursday, August 13 from 12:00 – 1:30 pm at the China National Convention Center. Among those to be recognized during the luncheon are winners of six SIAM prize winners, three of whom will give associated prize lectures during the ICIAM meeting, as detailed below:

Peter Henrici Lecture: Tuesday, August 11, 7 – 8 pm

The John von Neumann Lecture: Wednesday, August 12, 7 – 8 pm

Sonia Kovalevsky Lecture: Thursday, August 13, 7 – 8 pm

For information regarding the meeting, please refer to <http://www.iciam2015.cn/>.

::: UPDATES ON CONFERENCES & PRIZES :::

Mathematical Congress of the Americas 2017 Call for Proposals

Proposals of special sessions at MCA 2017 are welcomed by the Special Sessions Subcommittee. Early submission of proposals is encouraged: good proposals will be approved on a regular basis before the deadline, in order to allow speakers plenty of time to make travel and funding arrangements. The topics should be broad and fairly well represented throughout the Americas. The list of organizers must include

at least two mathematicians from different countries in the Americas. Preference will be given to proposals whose list of suggested speakers represents diversity in all aspects. It is anticipated that limited financial support will be available to help with expenses of some participants.

Proposals should be sent to mca2017.sessions@gmail.com.

Please view complete details here:

<http://www.mcofamericas.org/call-for-special-session-proposals>

SIAM conference registrations & submissions

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

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

Pre-registration deadline: June 10, 2015

<https://www.siam.org/meetings/ct15/reginfo.php>

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

Pre-registration deadline: June 1, 2015

<https://www.siam.org/meetings/g15/regform.php>

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

Hotel registration is open: <http://www.iciam2015.cn/Hotels-Tours.html>

Advanced meeting registration deadline: July 15, 2015

<http://www.iciam2015.cn/Registration.html>

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

Pre-registration deadline: July 10, 2015

<https://camp.nims.re.kr/activities/eventpages/?id=200&action=reg3>

[SIAM Conference on Geometric and Physical Modeling \(GDSPM15\)](#), October 12-14, 2015, Salt Lake City, Utah, USA

Minisymposium proposals deadline extended: June 8, 2015

Abstracts of all contributed and minisymposium presentations deadline: June 8, 2015

<http://www.siam.org/meetings/gdspm15/submissions.php>

Student travel and early career awards deadline: Extended to June 19, 2015

Student: <http://www.siam.org/prizes/sponsored/travel.php>

Early Career: <http://www.siam.org/prizes/sponsored/earlycareertravel.php>

[SIAM Conference on Analysis of Partial Differential Equations \(PD15\)](#), December 7-10, 2015, Scottsdale, Arizona, USA

Abstracts for contributed and minisymposium speakers deadline: June 8, 2015

<http://www.siam.org/meetings/pd15/submissions.php>

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

Short Abstract Submission and Paper Registration Deadline: July 1, 2015, 4:59 PM EDT

Full Paper Submission: July 8, 2015, 4:59 PM EDT

<http://www.siam.org/meetings/da16/submissions.php>

Prize nomination deadlines

[SIAG/APDE Prize](#): June 15, 2015

[Richard C. DiPrima Prize](#): October 15, 2015

[George Pólya Prize in Combinatorics](#): October 15, 2015

[W. T. and Idalia Reid Prize](#): October 15, 2015

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



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.

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.