

SIAM Unwrapped

August 2010

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.

Dear SIAM Members,

A quick note about renewing your membership for 2011: during the first week of September you will receive an email from "renewals@siam.org" with renewal information. The email 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.

Regards,

Karthika Muthukumaraswamy

Editor

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::: ANNUAL MEETING WRAP UP :::

Record attendance at the 2010 Annual Meeting!

SIAM's 2010 Annual Meeting, held jointly with the SIAM Conference on Life Sciences from July 12-15 in Pittsburgh, was by all accounts, a resounding success. Attendance reached an all-time high of 1,256, and the talks and sessions were informative, educational and interactive. In addition, the total number of poster presentations was impressive at 172, with 58 being presented as part of the Annual Meeting program and 114 for the Life Sciences program. One of the most anticipated events, the I. E. Block Community Lecture was well attended and Dmitri Tymoczko gave an engaging lecture on the role of geometry in music. Sounds--melodious and discordant--wafted through the air as Tymoczko, a composer and mathematician, explained the connection between consonant chords and geometrical spaces. Selected lectures from the meeting will soon be made available in the form of video clips and audio slideshows at:

<http://www.siam.org/meetings/archives.php>

Social media at #SIAMAN10

Twitter was implemented during the meeting, a first for a SIAM conference, with updates from conference organizers--such as schedule and room changes--shared via tweets. Selected sessions and speakers also entertained "Twitter questions." Facebook was used to provide additional links about speakers and subjects, and to allow attendees to view photos posted on site. Members of the SIAM Facebook page, in turn, offered their compliments, comments and suggestions. Photos were also "tweeted," and shared on Flickr.

View the entire set of photographs from SIAM staff and attendees at AN10 here:

<http://www.flickr.com/photos/38415590@N03/sets/72157624487036298/>

Also, be sure to check out the #SIAMAN10 Twitter archive:

<http://twapperkeeper.com/hashtag/siaman10>

2010 Class of Fellows honored at Annual Meeting

Individuals selected to the 2010 Class of Fellows earlier this year for their exemplary contributions to the fields of applied mathematics and computational science were recognized at the Prizes and Awards Luncheon on July 13. Find their photos, affiliations, and contributions on the Fellows page:

<http://fellows.siam.org/index.php?sort=year&value=2010>

A group portrait from the luncheon can be found at:

<http://www.siam.org/prizes/fellows/index.php>

Eighteen honorees awarded SIAM prizes at Annual Meeting

Eighteen prize recipients attended the SIAM Annual Meeting in Pittsburgh to accept their awards. SIAM President Douglas Arnold presented 10 prizes at the Prizes and Awards Luncheon on July 13:

The John von Neumann Lecture: Bernd Sturmfels / I. E. Block Community Lecture: Dmitri Tymoczko / AWM-SIAM Sonia Kovalevsky Lecture: Suzanne Lenhart / SIAM Prize for Distinguished Service to the Profession: Martin Grötschel / Julian Cole Lectureship: John R. King / Richard C. DiPrima Prize: Colin B. Macdonald / George Pólya Prize: Emmanuel Candès and Terence Tao / W. T. and Idalia Reid Prize: John A. Burns / SIAM Award in the Mathematical Contest in Modeling (MCM): Team A from HUST - Fei Han,

Qipei Mei, Zhe Xiong; Team B from RPI - Joseph H. Gibney, Emily P. Meissen, Yonatan Naamad / SIAM Student Paper Prizes: Bubacarr Bah, Russell Carden, Karin Leiderman
Click on http://www.siam.org/prizes/2010_luncheon.php, the luncheon program, for further information on the prizes, the prize recipients, and the contributions for which we honor them.

::: SIAM HQ UPDATE :::

SIAM grows with each year

And so it did in 2009. SIAM President Doug Arnold delivered the [2009 Annual Report to Members](#) at the annual business meeting in Pittsburgh this July. From conducting conferences and publishing journals and books to giving prestigious prizes to reward outstanding research, SIAM helps foster the applied mathematics community. We grow and develop each year with new publications, activity groups, student chapters, and better ways to advocate and conduct outreach. Check out the presentation here: <http://www.siam.org/about/pdf/2009annualreport.pdf>

New SIAG in the works

A new SIAG in uncertainty quantification (UQ), recently approved by the SIAM Board and Council, is in the process of forming. Uncertainty quantification is the field of applied mathematics whose goal is to reduce errors and uncertainties that arise from simulation and modeling. UQ has [grown to be a major research area](#) over the past decade. The SIAG/UQ will welcome members during the upcoming renewal cycle. Read more about UQ here:

<http://www.siam.org/news/news.php?id=1734>

Nominate for the 2011 Class of SIAM Fellows

Do your part to recognize a distinguished researcher! Nominations for the 2011 Class of Fellows are being accepted until November 1, 2010. If you know of an individual deserving of recognition in the field of applied math and computational science, it's never been easier to nominate them! Please read the guidelines here: <http://www.siam.org/prizes/fellows/nomination.php>

Use the Nomination website to submit required information:

<http://nominatefellows.siam.org/Pages/Home.aspx>

::: CYBER-SIAM UPDATES :::

SIAM books are going electronic

With everything going e-something these days, why wouldn't SIAM offer e-books, you ask. And *have* asked. So, here goes. Beginning in 2011, institutions around the world will be able to offer SIAM books in electronic format. The decision was finalized at SIAM's 2010 Annual Meeting in July and work has already begun to make all of SIAM's more than 400 book titles available electronically. The goal is to have about half the books in the collection when the program launches in January. Remaining titles will be added later in 2011. Books will be offered in PDF format, viewable by chapter, and will be accessible via Scitation, which also hosts SIAM's journals, thus making cross-searching easier for readers. Once the institutional program is established, SIAM will begin work on individual subscription services. More details on the e-book program including packages and pricing will be posted shortly at:

www.siam.org/books

Catch audio slideshows from DM10

Couldn't attend a SIAM conference? Attended a SIAM conference, but missed a lecture? You can view slideshows with synchronized audio for selected talks from SIAM conferences. Dr. Terence Tao from the University of California, Los Angeles, [2006 Fields Medalist](#), gave a talk, "The Combinatorics of Discrete Random Matrices," at the 2010 Conference on Discrete Mathematics in Austin, TX earlier this summer. His talk, along with other invited lectures and the Dénes König Prize Lecture from DM10, is now available at:

https://live.blueskybroadcast.com/bsb/client/CL_DEFAULT.asp?Client=975312&PCAT=2151&CAT=2151

::: STUDENT NEWS & NOTES :::

Student chapters to socialize on Facebook

The student chapters of SIAM got together at a breakfast meeting at the Annual Meeting to discuss ideas and brainstorm strategies to raise awareness and impact. Among various suggestions that came out of the talks delivered by four student chapter representatives and the open discussion that followed were ideas for fundraising, increasing interactivity, engaging students with contests, and outreach programs for high-school students. Requests for an online platform for cross-communication among chapters were met when SIAM recently created a Facebook group for student chapters:

<http://www.facebook.com/group.php?gid=136717186365809>

Members can create events, start discussions, post pictures and video, add comments, and post on the group wall. We welcome ideas to improve our online and social media presence. Please feel free to give us your input!

The SIAM Student Travel Fund needs your help!

SIAM Student Travel Awards help students gain the experience and exposure that comes from attending and presenting at SIAM conferences. The fund was created in 1991 and has been maintained through book royalties donated by SIAM authors and by donations from SIAM members. Full-time students in good standing are eligible to receive SIAM Student Travel Awards plus gratis meeting registration for SIAM conferences where they present their posters or papers. The travel awards are intended to help students defray some of the costs of their attendance. Help us support students at SIAM conferences by donating online at http://www.siam.org/cust_serv/ or by making out a check to "SIAM" and sending it to the SIAM office (Attention: SIAM Student Travel Fund), 3600 Market Street, 6th Floor, Philadelphia, PA 19104-2688. Corporations can also sponsor student travel either to a selected conference or in general. For more information about ways to contribute, visit:

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

::: PUBLIC AWARENESS :::

***Math Matters, Apply It!* now available in Spanish**

Math can do a lot. It can help prevent fire, analyze DNA, and create animations, as [*Math Matters, Apply It!*](#) will tell you. And now it can tell you in Spanish. SIAM's applied mathematics awareness campaign, created for those who want to know more about the math behind everyday life and technology, is now available in Spanish. SIAM currently provides 16 PDFs available for download, detailing mathematical

applications in areas as wide-ranging as forensic analysis and renewable energy, and is in the process of producing more. Six of the topics have been translated into Spanish by Alan Veliz-Cuba and Betty Paredes-Alvarez at the Department of Mathematics at Virginia Tech, with additional editing by Gerardo Hernandez of the University of Michigan. Find the Spanish versions by clicking on the links next to thumbnails of the flag of Spain below the flyers on the Math Matters page:

<http://www.siam.org/careers/matters.php>

We are always looking for new topics to add to our collection. Please feel free to share your ideas with us and let us know what you think! Send ideas, comments and suggestions to cleary@siam.org.

::: ICIAM UPDATES AND REMINDERS :::

Minisymposium proposal deadline for ICIAM 2011 is fast approaching!

The 7th International Congress on Industrial and Applied Mathematics will be held in Vancouver, Canada, from July 18-22, 2011. The early decision deadline for minisymposium proposals for ICIAM 2011 is August 18, 2010, midnight, Eastern Time. The final submission deadline is October 4, 2010, and the submission deadline for accepted minisymposium abstracts and contributed paper abstracts is December 15, 2010. ICIAM 2011 is being organized jointly by SIAM, the [Canadian Applied & Industrial Mathematics Society \(CAIMS\)](#), and the [Mathematics of Information Technology & Complex Systems \(MITACS\)](#). More information on ICIAM 2011 can be found on the conference website:

<http://www.iciam2011.com/>

Proposals may be submitted via the SIAM site here:

<http://meetings.siam.org/start.cfm?CONFID=ic11>

Exhibit at ICIAM 2011

If you're responsible for planning your organization's exhibits at professional meetings, keep ICIAM 2011 in mind. The meeting is to be held July 18-22, 2011 in Vancouver, British Columbia. ICIAM is the largest international event for the computational and applied mathematics community, drawing over 3000, with many more following it through electronic media worldwide. The event occurs once every four years, and attracts leading thinkers, researchers, and professionals from the field. The picturesque setting of Vancouver for 2011's meeting will be an added attraction. All coffee breaks are held in the exhibit hall, as well as the anticipated poster session and reception. Book your booth now! Receive a 20% early booking discount by reserving your booth before September 30, 2010. For details on rates and spaces, check the Sponsorships & Exhibits page:

http://www.iciam2011.com/index.php?option=com_content&view=article&id=9&Itemid=7

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

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