



SIAM Unwrapped

News & announcements for the SIAM membership community

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March 2012

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Dear SIAM Members,

Each year, the SIAM Fellows Program designates as Fellows of the Society members who have made outstanding contributions to fields served by SIAM. The goals of the program are to honor members who have distinguished themselves with their extraordinary research contributions, to support their advancement in their respective institutions and the larger society, and to make our community more competitive among other disciplines.

The 2012 Class of SIAM Fellows are now in the process of being selected, and will be announced on March 30, 2012. Stay tuned!

Regards,
Karthika Muthukumaraswamy
Editor

Contents:

2012 SIAM ANNUAL MEETING UPDATES

- Exhibit booths are available!
- Workshops for women in the *Art of Strategic Persuasion*

PUBLIC AWARENESS

- High school students offer ideas to get U.S. rail back on track
- Competition: Virtual modules on the Mathematics of Planet Earth

PUBLISHING NEWS AND NOTES

- E-book program completes remarkable first year

UPDATES ON CONFERENCES & PRIZES

- Submit now to MI12!

- Navigating a SIAM conference
- Nominate now for the SIAM/ACM Prize in CS&E
- Travel money available for Conference on Applied Linear Algebra
- Conferences accepting registrations and submissions
- Open calls for prize nominations

::: 2012 SIAM ANNUAL MEETING UPDATES:::

Exhibit booths are available!

Each year, the SIAM Annual Meeting brings together leading researchers, professionals, students and those in their early careers from the fields of applied math and computational science. The 2012 meeting to be held July 9—13 in Minneapolis, Minnesota, will attract over 1,000 delegates from varied areas. It is an ideal setting to exhibit products and services of interest to this far-reaching community.

For more information and to download an exhibitor kit, visit the AN12 exhibits page:

<http://www.siam.org/meetings/an12/exhibits.php>

You can also choose to sponsor an event or fund student travel to AN12. Find more information here:

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

If you have any questions, please e-mail marketing@siam.org.

Workshops for women in the *Art of Strategic Persuasion*

In an effort to help women researchers be more effective in leading and participating in meetings and discussions, two professional development workshops will be held on Sunday, July 8, 2012—just prior to the SIAM Annual Meeting at the same venue in Minneapolis, Minnesota. Senior faculty members will benefit from the morning session whose interactive format will encourage highly personal learning combining self-presentation, leadership training, and faculty development. Junior faculty and those in their early careers will be more interested in the afternoon session where participants will assimilate fundamentals of responsible negotiations and conflict resolution, helping build self-confidence and enhance preparation. Priority registration is given to women but male participants are also invited to attend.

For more information, please visit:

<http://www.siam.org/meetings/an12/workshops.php#coach>

::: PUBLIC AWARENESS :::

High school students offer ideas to get U.S. rail back on track

Moody's Mega Math Challenge, the high school applied-math contest organized by SIAM in partnership with The Moody's Foundation, awards \$115,000 in scholarship prizes to winning students. Almost 5,000 high school juniors and seniors from 29 states in the Eastern U.S. participated last week. The 2012 contest tackled a timely and relevant issue: create a mathematical model to determine the best regions for establishing high-speed rail lines in America. Judging will take place over the next several weeks, leading up to the contest finals on April 26. The problem was written by Professor Ben Galluzzo of Shippensburg University in Pennsylvania. We continue to invite ideas for future Challenge problems, with up to \$1,000 in honoraria for anyone whose suggestion is used for a future Challenge problem.

You can view this year's problem statement or suggest a problem statement idea on the Challenge website:

<http://m3challenge.siam.org/>

Competition: Virtual modules on the Mathematics of Planet Earth

The Mathematics of Planet Earth (MPE) 2013 is organizing a competition for best virtual modules on an MPE theme. The goal of MPE 2013 is to draw attention to dynamic processes that influence climate, natural disasters, and life-supporting systems on earth, in addition to man-made infrastructure such as economic, technological and transportation networks. Interested researchers may submit modules based on any aspect of this wide-ranging theme. Entries submitted to the competition will be part of an open source exhibition, which will allow users and institutions around the world to reproduce and utilize the exhibited modules. The exhibition will showcase a virtual part and instructions to realize material parts. Cash prizes of \$5000, \$3000, and \$2000 (USD) will be awarded to the top 3 winners.

For more information and details on the proposed themes, please visit:

<http://www.imaginary-exhibition.com/mpe2013/MPE2013/MPE2013-competition.html>

::: PUBLISHING NEWS AND NOTES :::

E-book program completes remarkable first year

SIAM's e-book program for libraries and institutions completed its inaugural year with overwhelming acceptance by many leading universities worldwide. Among the more than 80 first-year subscribers and perpetual access purchasers were Brown University, Massachusetts Institute of Technology, Stanford University, Yale University, The Chinese University of Hong Kong, and the King Abdullah University of Science and Technology. Nearly 400 SIAM e-books are available to users, with full MARC records for librarians and instant access for multiple users on a proven, reliable platform. Is your institution a

subscriber? If not, become one now! For more information and for complete details on how to subscribe, please visit www.siam.org/ebooks.

::: UPDATES ON CONFERENCES & PRIZES :::

Submit now to MI12!

The [SIAM Conference on Mathematics for Industry: Challenges and Frontiers \(MI12\)](#), spotlighting varied opportunities to promote applications of mathematics to industrial problems, will be held October 2–4, 2012, in Denver, Colorado. The conference will provide a forum for engineers and scientists from industry and government to communicate their needs, objectives and visions to the broader mathematical community. The major themes of the conference fall under the categories of challenges, frontiers, and industrial academic collaboration. The meeting will feature a great lineup of invited speakers: Erica Klampfl of Ford Research & Advanced Engineering; Larry Gold of SomaLogic; Loren Miller of DataMetric Innovations, LLC; and Will Schroeder of KitWare, Inc. from the US, and Hans Christian Hege from Zuse-Institut Berlin, Germany.

Submit to the conference now! Abstracts for contributed and minisymposium speakers are due April 2, 2012. Visit the submissions page for more information:

<http://www.siam.org/meetings/mi12/submissions.php>

Navigating a SIAM conference

There is so much to get out of a SIAM conference: invited lectures, technical talks, informative minisymposia, poster sessions, networking opportunities, and professional development resources. But if you're a first-time attendee, all of this can be a bit overwhelming. That is why the SIAM membership committee has put together a flyer to help students and new conference goers: "[Navigate a SIAM Conference](#)." The flyer can be downloaded on our Membership page here:

<http://www.siam.org/membership/individual/pdf/navigating.pdf>

Nominate now for the SIAM/ACM Prize in CS&E

Do you know a deserving colleague who has been involved in solving science and engineering problems using mathematical and computational tools? Nominate them for the SIAM/ACM Prize in Computational Science and Engineering! The nomination period will close June 1. The prize is awarded to individuals and groups for outstanding research contributions to the development and use of mathematical and computational tools and methods. The contributions must be publicly available and may belong to any aspect of computational science in its broadest sense. The award, consisting of a certificate and a cash prize, is given every two years jointly by SIAM and ACM. The recipient will be awarded at the SIAM

Conference on CS&E (CSE13) to be held February 25—March 1, 2013, in Boston, Massachusetts. Conference registration and a portion of the travel expenses to CSE13 will be paid by the prize fund.

Find out how to nominate by checking out the call for nominations:

http://www.siam.org/prizes/nominations/nom_cse.php

Travel money available for Conference on Applied Linear Algebra

SIAM will support student, post-doc, and early-career travel awards to the [SIAM Conference on Applied Linear Algebra](#) to be held June 18—22, 2012, in Valencia, Spain. Student applicants do not have to be affiliated with a U.S. institution and will be reimbursed for travel costs up to \$700 if traveling within Europe, and up to \$850 if traveling from another continent. Post-doc and early-career applicants must be affiliated with a US institution. Travel costs will be reimbursed in an amount not exceeding \$950. In both cases, the award itself does not include registration, but registration is a reimbursable item. Awardees must file an expense report and include receipts. The deadline for applications is March 30, 2012.

To apply for a travel award, go to:

<http://awards.siam.org/>

For more information about travel awards available for other SIAM meetings, visit the following links:

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

Post-doc/Early-Career Travel Awards: <http://www.siam.org/prizes/sponsored/postdoctravel.php>

Conferences accepting registrations and submissions

[SIAM International Conference on Data Mining \(SDM12\)](#) , April 26—28, 2012, Anaheim, California, USA

Pre-registration deadline: Thursday, March 29, 2012

<https://www.siam.org/meetings/sdm12/regform.php>

[SIAM Conference on Imaging Science \(IS12\)](#) , May 20—22, 2012, Philadelphia, Pennsylvania, USA

Pre-registration deadline: Monday, April 23, 2012

<https://www.siam.org/meetings/is12/regform.php>

[2012 SIAM Annual Meeting \(AN12\)](#), July 9—13, Minneapolis, Minnesota, USA

Deadline Extended! The poster submission deadline has been extended to April 16, 2012

Visit the submissions page for more information:

<http://www.siam.org/meetings/an12/submissions.php>

[SIAM Conference on Mathematics for Industry: Challenges and Frontiers \(MI12\)](#), October 2—4, 2012,

Denver, Colorado, USA

Abstracts for contributed and minisymposium speakers, and minisymposium proposals are due April 2, 2012.

Visit the submissions page for more information:

<http://www.siam.org/meetings/mi12/submissions.php>

Open calls for prize nominations

SIAM Student Paper Prize Deadline for nominations is March 15, 2012.

SIAM/ACM Prize in CS&E Deadline for nominations is June 1, 2012.

Find the complete list of calls for nominations at:

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

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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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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