

## **SIAM Unwrapped - April 2014**

*News & announcements for the SIAM membership community*



Dear SIAM members,

Did you know that SIAM offers discounted member rates for members of other mathematical societies? SIAM has a reciprocity agreement with 12 societies: view the [entire list](#). If you would like to change your membership to a “reciprocal” category, contact SIAM Customer Service at [membership@siam.org](mailto:membership@siam.org).

Also, a reminder to all members (and especially students at this time of year) that if you are moving or intend to move, please update your records at [my.siam.org](http://my.siam.org).

Regards,

Karthika Muthukumaraswamy  
Editor

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### **Contents:**

#### **SIAM HQ UPDATE**

- 2014 Class of Fellows named

#### **PUBLIC AWARENESS**

- Top teams to split \$125,000 in M<sup>3</sup> Challenge
- Latest SIAM Nugget analyzes uncertainty in computer models
- Visit SIAM Blogs

#### **UPDATES ON CONFERENCES & PRIZES**

- Additional posters being accepted for AN14
- Presentations from PP14 now available to view
- Child Care Grants for AN14
- Students: Need travel funds for SIAM meetings?
- SIAM conference registrations & submissions
- Prize nomination deadlines

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**::: SIAM HQ UPDATE :::**

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### **2014 Class of Fellows named**

Each year, SIAM names as Fellows of the Society members who have made outstanding contributions to fields served by SIAM, be it excellence in research and/or industrial work, noteworthy educational and community activities, or other forms of achievements related to the goals of SIAM. This year, SIAM is pleased to recognize 32 distinguished members as Fellows. Please view the full list here:

<http://fellows.siam.org/index.php?sort=year&value=2014>

To read more about our new Fellows, visit:

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

The 2014 Class will be recognized at the [SIAM Annual Meeting](#) to be held in Chicago in July.

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**::: PUBLIC AWARENESS :::**  
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### **Top teams to split \$125,000 in M<sup>3</sup> Challenge**

Students from Delaware, Indiana, New Jersey, and North Carolina are contenders for the top prize in Moody's Mega Math (M<sup>3</sup>) Challenge, which this year required participants to provide viable solutions to the issues U.S. schools face in implementing new lunch guidelines mandated by the U.S. Department of Agriculture. More than 5,000 participants created math models to study students' caloric requirements based on individual attributes and examined the effectiveness of the new school lunch mandates. 200 professional applied mathematician judges reviewed and pared down the nearly 1,200 solution papers—submitted by teams of 3-5 students working together over a 14-hour period—to reach a consensus on the six top teams. These finalists will compete live for the Champion prize at the Manhattan headquarters of The Moody's Foundation, which will award a total of \$125,000 in scholarship prizes. Want to watch? It will be streamed live at the URL below:

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

Read more about this year's contest and view the full list of winning teams [here](#).

### **Latest SIAM Nugget analyzes uncertainty in computer models**

The [latest Nugget](#), based on a paper published in the *SIAM/ASA Journal on Uncertainty Quantification*, describes methods to mitigate error in computer models by quantifying uncertainty. As author Mark Strong says "Given that 'all models are wrong,' it is important that we develop methods for quantifying our uncertainty in model structure such that we can know when our model is 'good enough'. Better models mean better decisions." The paper focuses specifically on health economics decision making, where models are used to predict future costs as well as the health consequences of various options regarding resource allocation. Read the complete Nugget:

<http://connect.siam.org/overcoming-structural-uncertainty-in-computer-models/>

## Visit SIAM Blogs

Whether you're looking for professional development tips, science policy updates, broad questions about a field of applied math, a specific overview of a sub-discipline, or just some interesting leisure reading, such as how math relates to sports technology or electronic music, SIAM Blogs is a great place to go:

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

Want to write about similar (or other) topics relevant to the mathematical sciences? E-mail us at [blogs@siam.org](mailto:blogs@siam.org)!

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::: UPDATES ON CONFERENCES & PRIZES :::  
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### Additional posters being accepted for AN14

The [2014 SIAM Annual Meeting](#) is accepting a limited number of additional poster presentations with *new results only*. Submissions are being accepted through May 21 and should be consistent with the conference themes. Accepted submissions will appear online only. Interested parties should submit using this [online submission site](#).

### Presentations from PP14 now available to view

Presentations from select sessions at the 2014 SIAM Conference on Parallel Processing for Scientific Computing are now available on SIAM Presents...Featured Lectures from Our Archives:

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

Please go to the direct link below to view the sessions captured:

[https://live.blueskybroadcast.com/bsb/client/CL\\_DEFAULT.asp?Client=975312&PCAT=7954&CAT=7955](https://live.blueskybroadcast.com/bsb/client/CL_DEFAULT.asp?Client=975312&PCAT=7954&CAT=7955)

You do not need to login to view presentations, though registering will allow you to track the presentations you access. Audio/slides can be viewed by selecting "Invited Speakers", "Prize Speaker", or "Minisymposia" from the left sidebar and then connecting to a specific session.

### Child Care Grants for AN14

SIAM is offering grants of up to \$250 per family for attendees who bring children to the Annual Meeting being held in Chicago in July. 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 7, 2014.

### Students: Need travel funds for SIAM meetings?

SIAM will award several hundred travel awards for graduate students wishing to attend SIAM conferences in 2014. Check out the criteria to qualify on the student travel awards page:

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

To view application instructions, visit the awards application site at <http://awards.siam.org/>, or go to the [SIAM conference calendar](#) to select the conference of your choice, and click on “Travel Support” from the right-hand navigation menu.

### **SIAM conference registrations & submissions**

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

Minisymposia proposal [submission](#) deadline: April 16, 2014

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

[Student Travel Support](#) and [Post-Doc/Early Career Travel Support](#) deadline: April 30, 2014

**SIAM Conference on Imaging Science (IS14)**, May 12-14, 2014, Hong Kong

[Online registration](#) still available

**SIAM Conference on Optimization (OP14)**, May 19-22, 2014, San Diego, California, USA

[Pre-registration](#) deadline: April 21, 2014

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

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

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

[Student Travel Support](#) and [Post-Doc/Early Career Travel Support](#) deadlines have been extended to May 8, 2014.

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

[Student Travel Support](#) and [Post-Doc/Early Career Travel Support](#) deadlines have been extended to May 8, 2014.

### **Prize nomination deadlines**

**Peter Henrici Prize**: May 1, 2014

**SIAG/FME Junior Scientist Prize**: May 1, 2014

**SIAM/ACM Prize in Computational Science and Engineering**: June 1, 2014

**The John von Neumann Lecture**: September 15, 2014

**Ralph E. Kleinman Prize**: October 15, 2014

**George Pólya Prize for Mathematical Exposition**: October 15, 2014

[W. T. and Idalia Reid Prize](#): October 15, 2014

[AWM-SIAM Sonia Kovalevsky Lecture](#): November 1, 2014

[Germund Dahlquist Prize](#): November 15, 2014

For the complete list of the call for nominations, please visit:

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

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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](mailto: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.

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