

SIAM Unwrapped – May 2015

News & announcements for the SIAM membership community

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Dear SIAM members,

One of SIAM's signature projects, Moody's Mega Math Challenge, a high-school math modeling contest, concluded its 10th year last month. Read about this year's Champion team and the problem they tackled below.

Learn about SIAM's outreach activities in this issue, from discounted memberships in developing countries to a new a project aimed at providing better access to SIAM journals in the developing world.

Regards,

Karthika Swamy Cohen

Editor

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::: SIAM HQ UPDATE :::

SIAM reaches out with Outreach memberships

In order to make its benefits accessible to a wider and more global group of applied and computational mathematicians, SIAM offers \$10 Outreach Memberships to persons living in certain developing countries around the world. Visit <http://www.siam.org/membership/outreach.php> to see if you or a colleague might qualify. To [join SIAM](#) as an Outreach member, either download and print out an application, or join online. Outreach members enjoy member discounts on books and conference registrations and have full SIAM voting privileges.

::: PUBLIC AWARENESS :::

North Carolina school wins top dollar in 10th Annual M³ Challenge

Five high school students from North Carolina School of Science and Mathematics (NCSSM) [earned top honors](#) for their cost-benefit analysis of obtaining a college degree in the 10th annual [Moody's Mega Math \(M³\) Challenge](#), just as they prepare to embark on their own college careers. The winning team, one of two finalist teams from the same high school in Durham, N.C., prevailed over more than 5,000 students comprising 1,128 teams in the national math modeling competition organized by SIAM, which this year required participants to answer the question, "Is college worth it?" After successfully presenting and defending their solutions before a panel of PhD-level professional mathematicians at The Moody's Foundation headquarters, the Champion NCSSM team took home \$20,000 in scholarship funds. Another NCCSM team claimed the \$15,000 second place prize.

Have an idea for a real-world problem for participants to tackle in the 2016 Challenge? Visit <http://m3challenge.siam.org/resources/suggest-problems>.

Latest on SIAM Blogs: Feedback sought

What is [data science](#) and how should it be taught? Where do you see [computational science and engineering](#) headed in the future? How should [SIAM improve and expand](#) its book program? These are some of the questions for which we are seeking your input via the latest posts on SIAM Blogs. Head on over now, and chime in with your suggestions and ideas:

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

Have an idea for a blog post? Email blogs@siam.org with suggestions.

'Math Matters' flyers illustrate cool applications

How are computer simulations used to optimize oil production during foam generation in a reservoir? How do partial differential equations describe biomechanics in the human body? How are algorithms

used to illustrate smoke in motion pictures? How does computational fluid dynamics help verify aerodynamics of vehicles? These and other topics are the subject of the latest *Math Matters, Apply It!* flyers, part of SIAM's applied mathematics awareness campaign, designed for those curious about the mathematics behind daily life and everyday technologies.

The PDF-flyers are great for classrooms and workshops. Check them out!

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

::: PUBLISHING NEWS & NOTES :::

Access to SIAM journals in the developing world

For some time, we have been interested in providing access to SIAM journals to readers in the developing world. To fulfill that end, we are in discussions with [INASP](#), an international development charity that works with global partners to improve access, production, and use of research information and knowledge, so that countries are equipped to solve their development challenges. We have had preliminary interest in SIAM journals from Ethiopia, Ghana, Kenya, Lesotho, Malawi, Mozambique, Rwanda, Sierra Leone, Tanzania, Uganda, Zambia, Zimbabwe, Bangladesh, Nepal, Pakistan and Sri Lanka. Trials will begin shortly.

Rent a SIAM book!

In addition to purchasing SIAM Books on Google Play, readers now have the option to rent! Not sure you want to buy a book, or just need it temporarily, for say, a semester-long course? Rent a SIAM book for 180 days at 50% of the list price. If renters then choose to purchase the book, the rental cost will be applied to the list price. Textbooks rented in Google Play are available on any device, such as Android or iOS, with a Google Play Books app. Great tools include bookmarking, annotating and global book search.

Visit play.google.com and start enjoying SIAM e-books today!

::: UPDATES ON CONFERENCES & PRIZES :::

Student travel funds available for SIAM meetings

SIAM will award several hundred travel awards for graduate students wishing to attend SIAM conferences in 2015. Those eligible are urged to apply! Do you qualify for travel funds? Check out the criteria on the student travel awards page:

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

SIAM conference registrations & submissions

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[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

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

[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 and Early Career Travel Support deadline: May 22, 2015

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

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

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

Minisymposium proposals deadline extended: June 2, 2015

Abstracts for contributed and minisymposium speakers deadline: June 9, 2015

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

Student and Early Career Travel Support deadline: May 29, 2015

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

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

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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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