
Issue 1, Summer 2006

Dear SIAM Members,

Welcome to the first edition of the *SIAM Unwrapped*. This new e-publication will be sent to members to keep you up to date on members in the news, interesting stories in the world of applied mathematics and computational science, and happenings at SIAM Headquarters. Our plan is to distribute at least two issues of *SIAM Unwrapped* this year and possibly four issues in 2007. We are looking for submissions, so please keep *Unwrapped* in mind if you hear about things that may be important to the SIAM member community.

I hope you enjoy *SIAM Unwrapped*. Feel free to send me any comments or questions!

Best regards,

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:: MEMBERS IN THE NEWS ::

SIAM member and upcoming I.E. Block Community Lecturer at AN06, Simon Levin Wins the Kyoto Prize for Work in Environmental Science

Princeton ecologist Simon Levin has been named a recipient of the Kyoto Prize in recognition of his contributions to environmental science. On Wednesday, July 12, 2006, from 6:15 PM – 7:15 PM, Professor Simon Levin of Princeton University will deliver the I.E. Block Community Lecture, "Individual Choices, Cooperation, and the Global Commons: Mathematical Challenges in Uniting Ecology and Socioeconomics for a Sustainable Environment." Read more here:
<http://www.princeton.edu/main/news/archive/S11/84/01M67/index.xml?section=topstories>.

Algae's Protein 'Tails' Create Motion ... And Aid Munching

SIAM member **Raymond Goldstein**, a professor of physics and applied mathematics at the University of Arizona, gathered together a group of scientists with expertise in physics, mathematics, engineering, and biology to identify how the tail motion of flagella help us to understand the development of one-celled life-forms evolved into multi-celled ones. Read more here:
<http://www.sciencedaily.com/releases/2006/05/060526180514.htm>.

National Nuclear Security Administration (NNSA) Program Focuses on "Predictive Science"

"Predictive science" is the application of verified and validated computational simulations to predict reactions within complex systems where routine experimental tests are not feasible. While the potential set of applications is very broad, Predictive Science Academic Alliance Program (PSAAP) will focus on unclassified applications of interest to the NNSA and its laboratories – Los Alamos and SIAM Corporate/Institutional Members **Lawrence Livermore** and **Sandia**. Read more here:
<http://www.hpcwire.com/hpc/638460.html>.

:: APPLIED MATH IN THE NEWS ::

New Analysis of Networks Reveals Surprise Patterns in Politics, the Web

A new computer analysis technique developed at the University of Michigan that separates networks into communities yielded some surprises when used on real-world networks like political books, blogs, and metabolic systems. Read more here: <http://www.sciencedaily.com/releases/2006/05/060525120948.htm>.

National Science Foundation (NSF) Announces Computational Science Training for Undergraduates in the Mathematical Sciences (CSUMS)

Computational Science Training for Undergraduates in the Mathematical Sciences (CSUMS) enhances computational aspects of the education and training of undergraduate students in the mathematical sciences — mathematics and statistics — and better prepares these students to pursue careers and graduate study in fields that require integrated strengths in computation and the mathematical sciences. CSUMS provides opportunities for funding of undergraduate education and training efforts that integrate the mathematical sciences with computation. Read more here: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06559.

:: PUBLICATIONS NEWS AND NOTES ::

Expanding Relations in Asia

SIAM's Publisher, Mary Rose Muccie, recently returned from a trip to Thailand where she met with iGroup, SIAM subscription agent and upcoming e-book partner. SIAM is working with iGroup to expand its publications reach into Asia, an important region that is making its way to the forefront of the global marketplace. Read more here: <http://www.siam.org/news/general.php?id=937>.

SIAM and Cambridge University Press Partnership to Distribute SIAM Books

SIAM is delighted to announce that beginning on August 1, 2006 SIAM books will be distributed outside North America by Cambridge University Press. SIAM hopes this relationship with Cambridge will allow members and customers to get SIAM books faster and with lower dispatch rates, to pay in local currency, and to get member discounts with a local distributor. We hope this partnership will eliminate the many middlemen and agents involved with getting material from SIAM to the ultimate reader and will provide stronger worldwide sales and distribution channels. Members will be able to obtain standard discounts when purchasing direct from Cambridge.

Knovel Partners with SIAM for Select Interactive Books

eBook provider Knovel's content partnership with SIAM represents a unique opportunity to showcase high quality applied mathematical references of strong scientific value in subject areas that span multiscale modeling and simulation to dynamical systems and control theory, on an interactive platform. Some titles will be made interactive using Knovel's impressive collection of analytical tools that calculate data, resolve equations, sort and export tabular data, and extract data from graphs. Read more here: <http://www.send2press.com/newswire/2006-06-0601-003.shtml>.

:: SIAM HQ UPDATE ::

M3 Challenge: SIAM and Moody's Launch Successful Scholarship Contest for High School Students

The Moody's Foundation partnered with the Society for Industrial and Applied Mathematics (SIAM) for the first-ever Moody's Mega Math Challenge (M³ Challenge), an applied mathematics competition open to high school students in the New York City metro geographic area that awarded scholarships for continuing education totaling \$65,000. The second M³ Challenge will take place in March 2007. Read more here: <http://www.siam.org/news/general.php?id=932>.

SIAM Graphic Design Artist Wins Award for M3 Challenge Design

Lois Sellers, SIAM's Graphic Designer, won a 2006 American Inhouse Design Award for her excellent work on marketing materials for the Moody's Mega Math (M^3) Challenge. Ms. Sellers, who has been working for SIAM since 1997, has garnered her fair share of praise for work, including a 2005 American Inhouse Design Award for the cover of [Ants, Bikes, & Clocks](#), a SIAM textbook by William Briggs. Ms. Sellers created the " M^3 " logo, poster, brochures, and letterhead, which together create a cohesive and memorable set of images for the inaugural M^3 Challenge. The award is organized by Graphic Design USA, a magazine for creative professionals. To see Ms. Sellers' award winning work go to <http://m3challenge.siam.org>.

New Web Page on Fellowship and Scholarship Opportunities

A new web page listing fellowship and scholarship opportunities for graduate and undergraduate students is now available on the SIAM website at <http://www.siam.org/students/resources/fellowship.php>. Send suggestions for additions to the list to Bill Kolata at kolata@siam.org or fill out the form at <http://my.siam.org/forms/addfellowship.htm>.

Questions/comments? Send them to cleary@siam.org

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