SIAM Unwrapped
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April 2011
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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.

Dear SIAM members,

With so many of our stellar authors and contributors residing in Asia, we are reminded everyday of the havoc wreaked by the tsunami and ensuing nuclear crisis in the region. Even in such troubled times, our contributors write in to keep us updated about progress, interruptions, and any unavoidable delays in the publication process.

Our heartfelt wishes go out to our friends in Japan. We want to take a moment to wish them well and hope for a speedy return to normal.

Regards,

Karthika Muthukumaraswamy
Editor

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::: SIAM HQ UPDATE :::

SIAM names Class of 2011 Fellows

On March 31, following nominations by the SIAM community, 34 academics and professionals were named to the 2011 Class of SIAM Fellows. These individuals are being recognized for their exemplary contributions to applied mathematics and computational science, not only through their extraordinary research work in the field, but also owing to their service to the larger community. The 2011 Fellows hail from wide-ranging areas of applied mathematics and related fields, and together encompass the academic, nonprofit and industrial sectors. They will be recognized at the 7th International Congress on Industrial and Applied Mathematics (ICIAM 2011) in July in Vancouver, British Columbia.

A full list of the Fellows and their affiliations can be found on the Fellows page at:
http://fellows.siam.org/index.php?sort=year&value=2011

Please read complete details about their accomplishments, affiliations, and reasons for recognition here:
http://connect.siam.org/?p=597

April is Mathematics Awareness Month!

How do epidemics spread, birds flock, and stock markets operate? Many of these answers fall within the realm of mathematics. That is the idea behind the theme for Mathematics Awareness Month, April 2011: *Unraveling Complex Systems*. From natural entities such as living cells, insect colonies and whole ecosystems to man-made inventions like power grids, transportation networks and the World Wide Web, we see complex systems everywhere. Deciphering the mathematics behind such systems can enhance our understanding of them, unraveling well-structured networks and discernible patterns in natural and artificial structures. In addition, it can help us manage and improve the reliability of such critical infrastructures of everyday life, allowing us to interpret, enhance and better interact with natural systems. Mathematics Awareness Month is sponsored each year by the Joint Policy Board for Mathematics, a collaborative effort of SIAM, the American Mathematical Society, the American Statistical Association, and the Mathematical Association of America.

Visit the Mathematics Awareness Month page:

http://www.mathaware.org/

SIAM Reciprocity

SIAM has reciprocity agreements with several professional societies to offer members of those societies a 20-30% discount on regular SIAM member dues while retaining all the benefits of membership. Reciprocity encourages interactions among related societies and helps growth of the larger community. Our reciprocity program has grown from two organizations in 2005 (providing discounts to 20 members) to 10 organizations in 2010 (providing discounts to 160 members).

Find more information, including a list of reciprocal societies at:

http://www.siam.org/membership/individual/reciprocal.php

If you belong to a professional society that might be interested in pursuing a reciprocal membership agreement with SIAM, contact Executive Director James Crowley at *jcrowley@siam.org*.

Create a SIAM Section

SIAM Sections allow members worldwide to provide a means of communication and interaction with other members in close geographic proximity. They are regional subgroups of members in specific geographic areas that are large and diverse enough to support meaningful activities such as lectures, meetings, and other similar events. SIAM currently has 8 sections around the world. Do you live in a region that has a diverse community of applied mathematicians who would benefit from a new section to help foster activity and support such events? Propose a Section! Read details on the steps involved for the petition and review process, procedures of operation, and rules and guidelines for new sections on the link below.

You can find new information on starting and running a section, ways to get involved with your regional section, and keep abreast of upcoming events on the new Sections calendar on the Sections page:

http://www.siam.org/sections/

SIAG UQ's maiden meeting

SIAM's newest Activity Group is gearing up for its first meeting. The SIAG on Uncertainty Quantification (SIAG/UQ) fosters collaboration on all aspects of the effects of uncertainty and error that arise in mathematical descriptions of real phenomena. The goal of the field is the reduction of errors and uncertainties in simulation and modeling. Over the past several years, UQ has rightfully found its place as a major research area. The activity group supports collaboration among mathematicians, statisticians, engineers, and scientists working in the interface of computation, analysis, statistics, and probability. SIAG/UQ will hold its first meeting, the SIAM Conference on Uncertainty Quantification (UQ12) in conjunction with the American Statistical Association and the Statistical and Applied Mathematical Sciences Institute (SAMSI) next April in Raleigh, North Carolina.

::: STUDENT NEWS & NOTES :::

Graduating? Stay with SIAM!

If you are earning your final degree this year and will no longer be a student, you can still remain a part of the SIAM community at highly discounted membership rates for the next few years! Getting started in a career can be a little unsettling, but continuing your membership with SIAM can help by providing you with access to the conferences, publications, networking resources and professional development opportunities you are accustomed to. SIAM's job board, activity group mailing lists, and *SIAM News* offer many resources for finding jobs; *SIAM Review* keeps you abreast of the latest happenings in the applied math community; and our science policy electronic mailing list keeps you informed about funding opportunities and other relevant topics. To ease the transition from your student membership to a full regular membership (costing $133 in 2011), SIAM offers postgraduate membership at 50% off the regular price for the first three years, followed by a 25% discount for the fourth and fifth years.

For more information, go to:

http://www.siam.org/membership/individual/postgraduate.php

Second Mid-Atlantic Student Conference

The Second Mid-Atlantic Student Conference organized by SIAM Student Chapters will be held at Shippensburg University in Shippensburg, Pennsylvania, on Saturday April 16, 2011. The conference is run in partnership with chapters at Shippensburg University, University of Delaware, George Mason University, University of Maryland – Baltimore County, and University of Pittsburgh. Dr. Andrew Conn of IBM's T.J. Watson Research Center will highlight the event with his talk, *An Optimizer in an Industrial Research Environment*, giving insights into the marriage of basic research with business goals.

For details on the conference, go to http://www.ship.edu/math/students/SIAM_Conference/.

Please find a detailed list of past and upcoming SIAM Student Chapter conferences here:

http://connect.siam.org/?p=574

A new chapter for Uppsala University

The new SIAM Student Chapter at Uppsala University in Sweden is getting ready for its first event on April 6, 2011. Bertil Gustafsson, Professor Emeritus in Numerical Analysis at Uppsala University, and Heinz-Otto Kreiss, Professor Emeritus in Applied Mathematics at California Institute of Technology, will be the distinguished speakers. For more on Professor Gustafsson's research and background, read his interview with Philip Davis as part of SIAM's history project:

http://history.siam.org/oralhistories/gustafsson.htm

Professor Kreiss presented the John von Neumann lecture at the 2003 SIAM Annual Meeting. Find out more about his work here:

http://www.siam.org/news/news.php?id=348

For more information about the event, go to the Uppsala Chapter website:

::: PUBLISHING NEWS AND NOTES :::

A note for SIAM journal authors

SIAM journals are undergoing a transition to use of XML markup to allow greater searchability, linking, and better readability on electronic devices. The submission process will not change. You will still submit articles in LaTeX, but the output will be converted to XML. An important facet is standardization of some aspects of an article's appearance, including use of single rules within and around tables; placement of figures and tables at the tops and bottoms of pages; and citation of references within their own brackets (not multiple references within the same brackets). There may be differences in spacing around characters, and some special fonts may no longer be available. These changes will be minor, but they may be noticeable at first. We want authors to be satisfied with the publication process at SIAM, but it is possible that the conversion of your paper will cause some changes, although not to the content. We will continue to offer as much flexibility as we can to satisfy any personal requests. The requirement for standardization will lead to faster publication and greater flexibility for published papers, a change that is needed and worthwhile. Thank you for your understanding.

::: ICIAM UPDATES :::

ICIAM 2011 program is now online

The ICIAM 2011 program is now available online. With over 2,000 minisymposia and more than 900 contributed papers and posters, there is a lot to look forward to.

Go to the link below to view the program:

http://www.iciam2011.com/index.php?option=com_content&view=article&id=48&Itemid=53

Online registration for the meeting closes on June 15, 2011. Register now!

July is tourism season in Vancouver, so please make your accommodation arrangements soon. Go to the Housing page for details:

http://www.iciam2011.com/index.php?option=com_content&view=article&id=30&Itemid=32

Also, be sure to check out the idyllic city of Vancouver while you are there. To make it easier for delegates to make the most of their trip, the Congress has arranged sightseeing trips, and the ICIAM site offers tips on things to do in the city.

For more details, go to:

http://www.iciam2011.com/index.php?option=com_content&view=article&id=47&Itemid=52

::: CONFERENCE UPDATES :::

Conferences accepting registrations and submissions

SIAM Conference on Applications of Dynamical Systems (DS11), May 22-26, 2011, Snowbird, Utah, USA

Registration closes Friday, April 22, 2011. Go to the registration page to register online and for information about registration fees:

https://www.siam.org/meetings/ds11/reginfo.php

SIAM Conference on Geometric and Physical Modeling (GD/SPM11) , October 24-27, 2011, Orlando, Florida, USA

Deadlines for:

Abstract submissions for proceedings: April 18, 2011
Full paper submissions for proceedings: April 25, 2011
Minisymposia, contributed talks and posters: May 30, 2011

 Go to the submissions page for details:

http://www.siam.org/meetings/gdspm11/submissions.php

SIAM Conference on Analysis of Partial Differential Equations (PD11), November 14-17, 2011, San Diego, CA, USA

Deadline for minisymposia proposal submissions is April 18, and for contributed lectures and posters is May 16. Go to the submissions page for more details and information:

http://www.siam.org/meetings/pd11/submissions.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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