

## ***SIAM Unwrapped***

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**December 2010**

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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,

As the end of the year approaches, we would like to remind you to [renew your membership](#) for 2011 to guarantee uninterrupted access to your subscriptions of *SIAM News* and *SIAM Review*, and to continue to avail yourself of discounts on SIAM books, journals, and conferences.

You can renew your membership at the link below:

[https://my.siam.org/cust\\_serv](https://my.siam.org/cust_serv)

Happy Holiday Season!

Regards,

Karthika Muthukumaraswamy

Editor

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**::: ICIAM UPDATES :::**  
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### ICIAM 2011 registration is now open!

Registration to [ICIAM 2011](#) is now open to everyone. Early bird rates are available until February 28, after which they will rise to the online advanced rate. To register, and to find more details and information, please go to the [registration page](#):

[http://www.iciam2011.com/index.php?option=com\\_content&view=article&id=43&Itemid=48](http://www.iciam2011.com/index.php?option=com_content&view=article&id=43&Itemid=48)

ICIAM has received over 500 minisymposium submissions, and the deadline for submitting contributed papers and posters is fast approaching. Submissions for contributed presentations in lecture or poster formats should be made by December 15.

Please go to the link below for more details:

[http://www.iciam2011.com/index.php?option=com\\_content&view=article&id=51&Itemid=56](http://www.iciam2011.com/index.php?option=com_content&view=article&id=51&Itemid=56)

ICIAM 2011 will be held in Vancouver, Canada, from July 18-22, 2011.

### Apply for an ICIAM travel award

Students and early career applicants affiliated with U.S. institutions who plan to attend ICIAM 2011 may be eligible for travel awards of up to \$1500 sponsored by a grant from the National Science Foundation. A limited number of awards may be available for more senior attendees. Applicants must be affiliated with a U.S. institution on the start date of the meeting, which is July 18, 2011. Early career applicants must be within five years of their PhD. Those presenting their work at ICIAM will be given preference. Women and underrepresented minorities are encouraged to apply. You can submit an application through SIAM's new travel award site here: <http://awards.siam.org/>

In addition, travel subsidies for mathematical sciences students in Canada and delegates from developing nations will also be available. Please check out the [travel subsidies page](#) for complete information on all categories of travel awards:

[http://www.iciam2011.com/index.php?option=com\\_content&view=article&id=33&Itemid=35](http://www.iciam2011.com/index.php?option=com_content&view=article&id=33&Itemid=35)

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::: SIAM HQ UPDATE :::  
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### **New EASIAM officers elected**

We are [pleased to announce](#) officers for the next term for the East Asia Section of SIAM. Dr. Hisashi Okamoto, professor of mathematics at the Research Institute for Mathematical Sciences (RIMS) at Kyoto University in Japan, has been elected as the new President of East Asia SIAM (EASIAM). He researches mathematical fluid mechanics, numerical methods for fluid computations, and numerical computation of bifurcation and stability. He is a member of SIAM, Japan SIAM, and the Mathematical Society of Japan.

Dr. Ming-Chih Lai of National Chiao Tung University in Taiwan has been appointed the new Vice President of EASIAM. A professor in the Department of Applied Mathematics and Director of the Center of Mathematical Modeling and Scientific Computing at National Chiao Tung University in Hsinchu, Taiwan, his research interests include numerical methods for PDEs and computational fluid mechanics.

Dr. Shao-Liang Zhang of the Department of Computational Science and Engineering at Nagoya University in Japan will be the new Secretary of East Asia SIAM. Dr. Zhang has been a member of Japan SIAM and the Information Processing Society of Japan for several years; his field of study is in the area of fundamental engineering. The new officers will serve a term from January 1, 2011 to December 31, 2012.

### **Hey member, get us a member!**

If you invite a colleague to become a member of SIAM, you will be sharing with them the many [benefits of membership](#), including access to a diverse community of applied mathematicians and computational scientists, online and at SIAM events, as well as discounts on SIAM conferences and publications. In addition, if your colleague joins SIAM, you will both be eligible to win prizes! Those interested can [join online](#) or download and mail an [application](#). Be sure to ask your colleague to fill in your name and e-mail when asked for information about his or her "referring member". This offer applies to all referrals with the exception of student memberships. For details, go to <http://www.siam.org/membership/mgam.php>.

### **Job seekers, check out the SIAM job board**

SIAM members seeking new employment opportunities or looking to advance their careers can set up a personal account on SIAM's job board:

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

The application allows users to browse through the latest job listings, upload and manage resumés, and sign up for job alerts. Employers can in turn set up accounts to seek out qualified applicants, look through resumés, and update and manage their recruiting information online. SIAM's job board provides users the advantage of a unique and specialized niche to help match their criteria and requirements, in addition to access to some of the best professionals and employers in the field.

The [SIAM Careers page](#) also offers helpful resources on career tracks in applied mathematics and related fields, advice from experienced mathematicians, links to other relevant sites, and much more.

Check it out!

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

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::: **CYBER-SIAM UPDATES** :::  
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### **Surveying the SIAM social media scene**

In the interest of expanding our social media presence, and allowing members more avenues to communicate, interact, and collaborate with each other, we are investigating options for an online community platform for SIAM. In true social media fashion, we are seeking input from our members in order to align our online network as closely as possible to member interests. Sometime in December, all SIAM members can expect to receive an e-mail linking to an online survey inquiring into their current use of and experience with social media. We would greatly appreciate your responses, since they would help us get an idea of how you would be interested in using such a network for your academic and professional needs, and in tailoring our platform to meet those requirements.

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::: **STUDENT NEWS & NOTES** :::  
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### **Be part of the Gene Golub SIAM Summer School**

There are two ways to participate in the Gene Golub SIAM Summer School (G2S3): by attending it, and organizing it. SIAM is looking for quality proposals for the 2012 G2S3. Letters of intent including proposed titles and potential course topics are due January 31, 2011. For more details, see the [Call for Proposals](#) here:

[http://www.siam.org/students/summer\\_call.php](http://www.siam.org/students/summer_call.php)

For students interested in attending the 2011 G2S3 on Waves in Imaging, applications are still being accepted. G2S3 2011 will be held at the University of British Columbia, Vancouver, Canada, from July 4–15, 2011. For more information and for a link to the application site, go to:

<http://www.siam.org/students/summer.php>

## **Attend Student Days at CSE11**

Student Days in 2011 will be held at the [SIAM Conference on Computational Science and Engineering \(CSE11\)](#), February 28—March 4, 2011, in Reno, Nevada. Organized by the [SIAM Education Committee](#), Student Days is the perfect event for students to meet and network with peers and professionals in the field. In addition, it provides an opportunity for students to engage in activities organized by [SIAM Student Chapters](#) worldwide. An informational flyer listing speakers and special sessions at 2011's Student Days can be downloaded at:

[http://www.siam.org/meetings/cse11/CSE11\\_Student\\_Days\\_flyer.pdf](http://www.siam.org/meetings/cse11/CSE11_Student_Days_flyer.pdf)

## **Funding report for SIAM Student Chapters**

SIAM is pleased to announce that it awarded a total of \$31,608.22 to 65 chapters for the organization of activities and events in the 2010-2011 academic year. Activities include seminars, workshops, regional student conferences, guest lectures, special presentations and field trips.

For complete details, please go to:

<http://www.siam.org/students/news.php?id=1836>

For information on individual chapter events, please visit the [Student Chapters page](#) and click on the home icon next to the school name:

<http://www.siam.org/students/chapters/current.php>

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::: **CONFERENCE UPDATES** :::  
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## **SIAM Conference on Control & Its Applications**

There is still time to submit minisymposia proposals to the [SIAM Conference on Control & Its Applications \(CT11\)](#) to be held July 25—27, 2011 in Baltimore, Maryland. A satellite meeting of [ICIAM 2011](#), it's an ideal stop for those traveling back from ICIAM via the U.S. East Coast.

For more information on submission deadlines, please go to:

<http://www.siam.org/meetings/ct11/submissions.php>

## **SIAM Conference on Computational Science and Engineering**

Registration is now open for the [SIAM Conference on Computational Science and Engineering \(CSE11\)](#). Start making your arrangements now! CSE11 will be held February 28—March 4, 2011 in Reno, Nevada.

To register, please visit the following link:

<https://www.siam.org/meetings/cse11/reginfo.php>

Room reservations can be made with the conference hotel, Grand Sierra Resort and Casino. More details can be found here:

<https://www.siam.org/meetings/cse11/hotel.php>

### **Joint Mathematics Meetings**

If you are attending the [Joint Mathematics Meetings](#) to be held January 6—9, 2011 in New Orleans, Louisiana, don't miss the SIAM invited address, *In Pursuit of the Salesman: Mathematics at the Limits of Computation*, by William Cook, Georgia Institute of Technology, and the minisymposia organized by SIAM. For a complete list of SIAM sessions at the meeting, please go to:

<http://www.siam.org/meetings/jmm11/>

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::: PUBLISHING NEWS AND NOTES :::  
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### **New SIAM Books**

#### ***Nonlinear Waves in Integrable and Nonintegrable Systems***

*Jianke Yang - University of Vermont*

This book presents cutting-edge developments in the theory and experiments of nonlinear waves, and is intended for researchers and graduate students working in applied mathematics and the various physical subjects where nonlinear wave phenomena arise, such as nonlinear optics, Bose–Einstein condensates, and fluid dynamics. Its expansive coverage of analytical and numerical methods for nonintegrable systems—in addition to analytical methods for integrable equations—makes the book a first of its kind. In addition, the book contains a large number of simple and efficient MATLAB<sup>®</sup> codes (also found on an associated Web page) for various types of nonlinear wave computations, allowing readers to easily adapt them to solve individual problems.

Additional information: <http://www.ec-securehost.com/SIAM/MM16.html>

2010 / xxvi + 430 / Softcover / ISBN: 978-0-898717-05-1

List Price \$85.00 / SIAM Member Price \$59.50 / **Order Code MM16**

#### ***Partial Differential Equations: Analytical and Numerical Methods, Second Edition***

*Mark S. Gockenbach – Michigan Technological University*

Partial differential equations (PDEs) are essential for modeling many physical phenomena. The new edition of this undergraduate textbook continues to introduce students to the topic with a unique approach that emphasizes the modern finite element method alongside the classical method of Fourier

analysis, the primary scope of the first edition published in 2002. Additional features of the new edition include broader coverage of PDE methods and applications, with new chapters on the method of characteristics, Sturm–Liouville problems, and Green’s functions, and a new section on the finite difference method for the wave equation.

Additional Information: <http://www.ec-securehost.com/SIAM/OT122.html>

2010 / xviii + 654 / Hardcover / ISBN 978-0-898719-35-2

List Price \$85.00 / SIAM Member Price \$59.50 / **Order Code OT122**

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Questions/comments/suggestions? Send them to [karthika@siam.org](mailto:karthika@siam.org).

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