

## ***SIAM Unwrapped***

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**October 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 SIAM continues to grow in the real world, it is also attempting to grow electronically.

Be it with renewing memberships, registering for conferences, or applying for travel subsidies, SIAM staff are constantly updating and exploring online methods to make things easier for our members. Continue to check out our progress under *Cyber-SIAM Updates* in *Unwrapped*, or just by going to our website and experiencing the changes.

If you have suggestions, ideas, or concerns, please feel free to let us know!

Regards,

Karthika Muthukumaraswamy

Editor

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**::: SIAM HQ UPDATE :::**  
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#### **SIAM mourns the loss of Jerry Marsden**

Jerrold E. Marsden, one of the most inspirational and revered figures in the applied mathematics community, lost his battle to cancer on September 21, 2010. Marsden was a world-renowned expert in mathematical and theoretical mechanics, a brilliant researcher, and gifted teacher. A professor of Engineering, Control and Dynamical Systems, and Applied and Computational Mathematics at the California Institute of Technology, he authored six mathematics textbooks that are used worldwide. Honored with many awards over a lifetime of exemplary work, including the AMS-SIAM Norbert Wiener Prize in 1990 and SIAM's prestigious John von Neumann Lecture in 2005, Marsden will posthumously be awarded the 2010 Thomas K. Caughey Award in Vancouver next month. A member of the SIAM Board of Trustees and a co-chair for the Scientific Program Committee for the [ICIAM 2011](#) Congress to be held in Vancouver next July, Marsden was a highly influential member of the SIAM community. Friends and colleagues talk fondly of his integrity and generosity, and his passion to share knowledge. Please read a [full tribute](#) to his life, career and accomplishments at the Caltech website here:

[http://media.caltech.edu/press\\_releases/13385](http://media.caltech.edu/press_releases/13385)

#### **2011 SIAM Fellows nominations close November 1!**

Nominations for the 2011 Class of SIAM Fellows are being accepted through November 1. If you have a nomination in progress, please be sure all materials are submitted by the deadline. If you have yet to make a nomination, please consider doing so today! We seek nominations for members who deserve distinction for their contributions in the fields of applied mathematics and computational science, and who meet the [eligibility criteria](#) for selection as a Fellow. Inducted Fellows will be recognized at the SIAM, CAIMS, and MITACS joint awards luncheon on July 21 during [ICIAM 2011](#). Fellows' names will be published in *SIAM News* and displayed permanently on the SIAM website. Please note that the

procedure for making a nomination has been simplified since last year, so nominating a colleague is now easier than ever. To begin a new nomination or complete an existing one, visit [NominateFellows.siam.org](http://NominateFellows.siam.org). If you have questions or need assistance, contact [FellowNominations@siam.org](mailto:FellowNominations@siam.org).

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**::: CYBER-SIAM UPDATES :::**  
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**SIAM Travel Awards are going electronic**

SIAM has created an online portal to create, submit and maintain applications for travel awards. Users can upload a current curriculum vitae, a statement requesting travel funds, and contact information for those providing recommendations at the new [Travel Awards Application site](#). References are then allowed to login to the system and provide their letters and contact information. Both applicants and references receive notifications about registration, submissions and the approval process via e-mail. In addition to the convenience and rapidity of electronic submissions, the new system will allow registrants to maintain and manage documents up until the conference deadline date. Debuting with [ICIAM 2011](#), the site will handle travel award applications for all SIAM conferences in future. Please find more details and information [here](#).

Submit an application here:

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

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**::: STUDENT NEWS & NOTES :::**  
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**Gene Golub Summer School on Waves and Imaging**

Waves and summer do go together. Next year's [Gene Golub SIAM Summer School](#) with its topic area of Waves and Imaging will take place July 4 – 15, just prior to the International Congress on Industrial and Applied Mathematics ([ICIAM 2011](#)), in Vancouver, Canada. While the school targets mathematics graduate students with interests in related fields, those from wide-ranging areas such as engineering and geophysics with an affinity toward mathematics are encouraged to apply. Open to graduate students worldwide through an application and selection process, registration to the school is free, and opportunities for funding board and travel are available. Please find more information on the Students page [here](#). Informational flyers can be downloaded at:

<http://www.siam.org/students/pdf/summerschool11.pdf>

For details, go to:

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

**SIAM Student Chapters get creative with math**

From a Pi-mile run to celebrate Pi Day at the Colorado School of Mines to a high performance parallel scientific computing workshop at the New Jersey Institute of Technology, SIAM student chapters

sponsored and organized many exciting activities during the 2009-2010 academic year. Through their many undertakings, SIAM chapters worldwide help promote an interest in applied mathematics and computational science, and encourage basic research as well as the application of mathematics to industry and science, hence furthering the goals of SIAM.

Find a recap of many of the events organized by various chapters here:

<http://www.siam.org/students/news.php?id=1796>

### **CSE opportunity for undergraduate students**

2011's [SIAM Conference on Computational Science and Engineering](#) (CSE11) will feature three sessions devoted to undergraduate student research projects in computational science and engineering, building on the success of previous such sessions at SIAM Annual and CSE meetings. This will be part of Student Days, which has been added to CSE11 in the absence of an annual meeting next year. Submit your papers now for consideration. Slots are limited! Decisions are expected to be made in November. For more information, please go to the following link:

<http://www.siam.org/meetings/cse11/ugcse11.pdf>

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**::: PUBLISHING NEWS AND NOTES :::**  
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### **CrossCheck cross-checks yet again**

SIAM has expanded use of the anti-plagiarism tool [CrossCheck](#). In March, staff first began to generate reports upon receipt of each submission for publication to a SIAM journal. The reports find matches to previously published articles included in CrossCheck's database of more than 49,000 titles. Any problems or questions are sent to the journal's Editor-in-Chief for consideration and to determine the need for further action. This summer, SIAM added a second check, generating and reading reports on papers immediately before acceptance. SIAM will continue to take an aggressive approach toward combating plagiarism and strive to be a leader in maintaining ethics and integrity in scholarly publishing.

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**::: CONFERENCE UPDATES :::**  
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### **Still time to register for the SIAM Conference on Financial Mathematics**

Register now and save money! The pre-registration deadline for the [2010 SIAM Conference on Financial Mathematics](#) is Monday, October 25. The meeting will take place November 19 – 20, 2010, in San Francisco, CA. For interested attendees, Patrick S. Hagan of JP Morgan will give a [tutorial on Trading, Hedging, and Mathematical Finance](#) prior to the conference on Thursday, November 18.

Find more details on the tutorial here:

<http://www.siam.org/meetings/fm10/tutorial.php>

Information on how to register for both can be found at:

<http://www.siam.org/meetings/fm10/regform.php>

### **Exhibit and sponsor opportunities with SIAM**

If you are looking for a venue to exhibit your products and services to the applied math community, there probably isn't a better or more beautiful setting than the largest international event for applied mathematicians or Vancouver, British Columbia. Attracting leading thinkers, researchers, and professionals from the field, [ICIAM 2011](#), to be held July 18 – 22, 2011, is projecting over 3000 attendees on site, with many more following it virtually worldwide. For details on rates and spaces, check the Sponsorships & Exhibits page:

[http://www.iciam2011.com/index.php?option=com\\_content&view=article&id=9&Itemid=7](http://www.iciam2011.com/index.php?option=com_content&view=article&id=9&Itemid=7)

Please check out our [full conference calendar](#) at <http://www.siam.org/meetings/> for other future meetings you'd like to exhibit at. Alternatively, if you'd like to suggest vendor companies you'd be interested to see at our meetings, please contact [marketing@siam.org](mailto:marketing@siam.org) with your ideas.

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::: **PRIZES AND AWARDS** :::  
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### **Nominate for the Germund Dahlquist Prize**

The Dahlquist Prize recognizes original contributions to fields associated with Germund Dahlquist, especially the numerical solution of differential equations and numerical methods for scientific computing. The recipient is requested to give a lecture. The prize will be awarded at SciCADE 11, July 2011, in Toronto, Canada. If you would like to nominate someone for the prize, please find more information at:

[http://www.siam.org/prizes/nominations/nom\\_dahlquist.php](http://www.siam.org/prizes/nominations/nom_dahlquist.php)

Contact Joanna Littleton at [littleton@siam.org](mailto:littleton@siam.org) with any inquiries. Nomination deadline: **November 1**.

### **Nominations for prizes at 2011 SIAG conferences**

Is your SIAG holding a conference next year? We're welcoming nominations for prizes to be awarded at SIAG meetings. SIAGs/Geosciences, Optimization, Dynamical Systems, Control and Systems Theory are accepting nominations for their prizes. SIAG/Orthogonal Polynomials and Special Functions has a NEW prize. Visit the prize nomination calls page, <http://www.siam.org/prizes/nominations.php>, to find information about each prize and how to nominate a colleague. Please contact Joanna Littleton, [littleton@siam.org](mailto:littleton@siam.org), with questions.

Nominations for the J. D. Crawford Prize and Jürgen Moser Lecture (SIAG/Dynamical Systems) are due **October 15**. The deadline for nominating for the SIAG/Geosciences Career Prize and Junior Scientist Prize, the SIAG/Control and Systems Theory Prize, and the SIAG/CST Best SICON Paper Prize is **November 1**. Nominations for the SIAG/Optimization Prize are due **November 15**. The new Gábor Szegő Prize (SIAG/OPSF) will be awarded in August 2011 at the 11th International Symposium on Orthogonal Polynomials, Special Functions, and Applications (OPSFA 2011) at Universidad Carlos III de Madrid, Leganes, Spain. The last date for nominating for the prize is **December 31**.

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::: **ICIAM UPDATES AND REMINDERS** :::  
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### **What to look for at ICIAM 2011**

Thematic minisymposia to be presented at [ICIAM 2011](#) have been announced. The topics encompass over 20 areas in applied and industrial mathematics. Check out the [entire list](#) at the link below:

[http://www.iciam2011.com/index.php?option=com\\_content&view=article&id=27&Itemid=29](http://www.iciam2011.com/index.php?option=com_content&view=article&id=27&Itemid=29)

Contributed minisymposia submissions are being evaluated by the review committee, and abstracts are being added daily. Submissions are due **October 18!** Check [here](#) for a partial—and growing— list:

[http://www.iciam2011.com/index.php?option=com\\_content&view=article&id=42&Itemid=47](http://www.iciam2011.com/index.php?option=com_content&view=article&id=42&Itemid=47)

Owing to a grant from the National Science Foundation, students and early career applicants affiliated with U.S. institutions can apply for travel support to ICIAM for amounts of up to \$1500. Candidates presenting their work at ICIAM will be preferred. Women and underrepresented minorities are strongly urged to apply. You can submit an application through SIAM's new travel award site here:

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

Information about all ICIAM travel awards including subsidies for delegates from developing nations can be found at the ICIAM 2011 [travel subsidies page](#).

Do you need a visa to attend ICIAM 2011? That is just one of several questions for which you will find answers on the ICIAM [visas page](#). The page has links to information pertaining to visa applications, processing times, and locations of Canadian visa offices around the world. Check it out:

[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)

### **SIAM Prizes at ICIAM 2011**

SIAM, CAIMS and MITACS will award their prizes at a joint Prizes and Awards Luncheon scheduled at [ICIAM 2011](#). We welcome your nominations.

The Ralph E. Kleinman Prize recognizes contributions that bridge the gap between mathematics and applications, work that uses high-level mathematics or invents mathematical tools to solve problems from engineering, science, and technology. Nomination deadline: **November 1**.

[http://www.siam.org/prizes/nominations/nom\\_kleinman.php](http://www.siam.org/prizes/nominations/nom_kleinman.php)

The W. T. and Idalia Reid Prize is awarded to an individual for a notable achievement or achievements contributing to the broadly defined areas of differential equations and control theory. The recipient will be requested to give a lecture at the [SIAM Conference on Control and Its Applications \(CT11\)](#).

Nomination deadline: **November 1**.

[http://www.siam.org/prizes/nominations/nom\\_reid.php](http://www.siam.org/prizes/nominations/nom_reid.php)

Always check the prize nominations page, <http://www.siam.org/prizes/nominations.php>, to see the prizes currently open for nominations. If you have questions, please contact Joanna Littleton at [littleton@siam.org](mailto:littleton@siam.org).

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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).

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