

## SIAM Unwrapped

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SIAM Unwrapped is a free electronic newsletter distributed quarterly to members that provides links to industry news, information on membership, meetings, publications, and other activities of interest.

Send us your news and stories! We would like to hear from you.

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#### ::: SIAM HQ UPDATE :::

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**\*SIAM awards The John von Neumann Lecture and the Peter Henrici Prize at ICIAM 07** - The John von Neumann Lecture was awarded to Nancy Kopell, Boston University, for "her work on coupled nonlinear oscillators and their application to chemically reactive media, smooth muscle, the spinal chord, and the human brain." Professor Kopell's lecture was entitled "Rhythms of the Nervous System: How to Connect Biophysics with Behavior."

-The John von Neumann Lecture is a feature of the SIAM Annual Meeting. We appreciate Eidgenössische Technische Hochschule Zürich (ETHZ) and the organizers of ICIAM 07 for giving us the opportunity to present the prize and schedule the lecture at ICIAM 07 in the absence of a 2007 SIAM Annual Meeting. For further information and the complete citation see:

[http://www.eurekalert.org/pub\\_releases/2007-08/sfia-nka081307.php](http://www.eurekalert.org/pub_releases/2007-08/sfia-nka081307.php)

-The Peter Henrici Prize was awarded jointly by SIAM and ETHZ to Gilbert Strang, MIT, for his contributions as a researcher and expositor in a broad range of fields of applied and numerical analysis. The citation concludes, "His remarkable achievements epitomize the spirit of the award that honors his thesis advisor, Peter Henrici." For further information and the complete citation, see [http://www.eurekalert.org/pub\\_releases/2007-08/sfia-gsa081307.php](http://www.eurekalert.org/pub_releases/2007-08/sfia-gsa081307.php)

**\*We congratulate all recipients of SIAM prizes awarded in 2007** - For a complete list of the 2007 prizes and press releases on the recipients and their awards, visit <http://www.siam.org/prizes/archived.php>. Calls for nominations for 2008 prizes will be posted to <http://www.siam.org/prizes/nominations.php>. Inquiries should be sent to J. M. Littleton, [littleton@siam.org](mailto:littleton@siam.org).

**\*SIAM Student Paper Prize winners announced** - Each year, SIAM awards prizes to the most outstanding papers submitted to the SIAM Student Paper Competition. The award is based solely on the merit and content of the students' contribution to the submitted paper. It recognizes outstanding scholarship by students in applied mathematics and scientific computing who do not yet hold the degree of Ph.D. at the application date. Papers entered in the competition must have already been submitted for publication. For a list of recipients please visit: [http://www.eurekalert.org/pub\\_releases/2007-09/sfia-ssp090507.php](http://www.eurekalert.org/pub_releases/2007-09/sfia-ssp090507.php)

**\*Improving the image of computing to attract talented young people to the discipline** - SIAM is a member of the Computing Research Association (CRA) whose Image of Computing Task Force is leading a national effort to expose a realistic view of the opportunities in computing. The program's aim is to educate the public and those with the aptitude and interest to pursue computing careers on the increasingly vital role computing plays in every major field. Read more here: [www.imageofcomputing.com](http://www.imageofcomputing.com)

**\*SIAM Considers Fellows** - At the summer meetings of SIAM Council and Board of Trustees in Zurich, the issue of fellows was discussed. A committee, commissioned by the Council in 2006 to examine whether SIAM should institute a fellows program, reported back to the Council and Board. The committee, chaired by Marty Golubitsky, recommended that the Council and Board approve taking the issue of fellows to the membership for a vote. The Council and Board voted to approve this recommendation, without expressing their view on a fellows program itself. The predominant sentiment was that this was a major issue requiring the input of the entire membership, and such a program will be voted on by the membership in Fall 2008. The membership will be informed of the details of the proposed fellows program as soon as they are available.

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::: **MEMBERS IN THE NEWS** :::  
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**\*Petter Kolm joins the Courant Institute of Mathematical Sciences** - Kolm is a Clinical Associate Professor of Mathematics and Deputy Director of the Mathematics in Finance M.S. Program. Previously, he worked as a financial consultant in New York City and in the Quantitative Strategies Group at Goldman Sachs Asset Management. Read more about Petter at <http://as.nyu.edu/object/PetterKolm.html>

NYU's Courant Institute and SIAM will co-host the 2007 National Financial Mathematics Career Fair on Friday, October 26, 2007 in New York City. Link to the career fair: <http://www.siam.org/iafe/>

**\*David Keyes selected as the 2007 recipient of the Sidney Fernbach Award** - Siam Vice President-at-large David Keyes will be the 14th recipient of the Sidney Fernbach Award to be presented at SC 07, the International Conference on High Performance Computing, Networking, Storage, and Analysis. The award was established in 1992 in memory of Sidney Fernbach, one of the pioneers in the development and application of high performance computers for the solution of large computational problems. For more detail on the Sidney Fernbach Award: <http://sc07.supercomputing.org/?pg=awards.html>

SIAM and the Association for Computing Machinery (ACM) also award a prize in the area of computational science in recognition of outstanding contributions to the development and use of mathematical and computational tools and methods for the solution of science and engineering problems. The next award of the prize is scheduled to be made in 2009. For more detail on the SIAM/ACM Prize in Computational Science and Engineering: <http://www.siam.org/prizes/sponsored/cse.php>

**\*John Butcher Award in Numerical Analysis presented at SciCADE 2007** - The joint winners of the Butcher Award in Numerical Analysis at SciCADE 2007 were: Thomas Schmelzer, a member of SIAM and a student of Nick Trefethen at the University of Oxford, and Anders Hansen, a student of Arieh Iserles at the University of Cambridge. Read more about the award here: <http://scicade07.irisa.fr/index.php?page=butcherprize>

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::: **INTERESTING NEWS** :::  
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**\*Prestigious fellowship is just whiz kid's latest honor** - 17-year-old Nathaniel Bottman won a \$25,000 Davidson Fellowship this year. Bottman presented his research at the International Association for Mathematics and Computers in Simulation Conference and the University of Washington SIAM Chapter. Now entering his junior year at University of Washington, he will also study at the Independent University of Moscow through the Math in Moscow Program. Nate is majoring in applied mathematics and plans to go to graduate school to become a math professor. Read more about Nate here: [http://seattlepi.nwsourc.com/local/328866\\_wave24.html](http://seattlepi.nwsourc.com/local/328866_wave24.html). Read more about The Davidson Fellows Scholarship here: [http://www.ditdservices.org/Articles.aspx?ArticleID=36&NavID=4\\_0](http://www.ditdservices.org/Articles.aspx?ArticleID=36&NavID=4_0)

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::: **CONFERENCE NEWS & NOTES** :::  
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**\*Argentinean Section of SIAM to host conference October 2-5, 2007** - The Argentinean Section of SIAM will host the the First Congress on Computational, Industrial, and Applied Mathematics (MACI 2007) on October 2-5, 2007, in Cordoba, Argentina. The conference will be presented along with the Sixteenth Congress on Numerical Methods and their Applications (ENIEF 2007) hosted by the Argentine Association of Computacional Mechanics (AMCA). For more information please visit: [http://www.famaf.unc.edu.ar/enief2007/ver\\_ingles/index.html](http://www.famaf.unc.edu.ar/enief2007/ver_ingles/index.html)

**\*The SciDAC 2007 proceedings are now available online:** <http://www.iop.org/EJ/toc/1742-6596/78/1>

**\*ICIAM 07 Report** - The International Congress on Industrial and Applied Mathematics (ICIAM) concluded its 6th congress in July, with over 3,000 applied and computational mathematicians attending a very successful meeting on the campus of ETH. Many thanks go to Rolf Jeltsch and his co-workers for an outstanding program. The next ICIAM congress will take place in Vancouver, Canada, in July 2011, and is being organized jointly by SIAM, CAIMS, and MITACS. For further information on ICIAM and updates on ICIAM 2011 see [http://www.iciam.org/council/council\\_tf.html](http://www.iciam.org/council/council_tf.html)

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