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# Inside the AMS

## AMS Electronic Products Are Now Mobile

AMS electronic products have just gone mobile—granting you access to your institution’s subscriptions while on the go! The new mobile pairing enhancement allows authorized users to “pair” their various web browsing devices (smartphones, tablets, laptops, and desktops) with a host institution’s network, thereby gaining access to any AMS electronic products to which the institution currently subscribes, even when not connected to the institution’s network. Authorized users consist of faculty, staff, students, and visiting faculty of the host institution. Upon activating mobile pairing, users can browse, search, and read AMS and AMS-distributed journals, eBooks, and MathSciNet content from anyplace with a wireless connection for up to ninety days per pairing (pairings may be renewed by authorized users as many times as needed). For more information and instructions on pairing your device, visit [www.ams.org/mobilepairing](http://www.ams.org/mobilepairing).

—AMS announcement

## Math in Moscow Scholarships Awarded

The AMS has made awards to five mathematics students to attend the Math in Moscow program in the fall of 2012. Following are the names of the undergraduate students and their institutions: RODRIGO FERREIRA DA ROSA, Yale University; LONG TIEN MAI, Manhattanville College; HANH NGUYEN, Dartmouth College; EMMANUEL TSUKERMAN, Stanford University; and STEPHANIE ANN ZARRINDAST, Hunter College, City University of New York.

Math in Moscow is a program of the Independent University of Moscow that offers foreign students (undergraduate or graduate students specializing in mathematics and/or computer science) the opportunity to spend a semester in Moscow studying mathematics. All instruction is given in English. The fifteen-week program is similar to the Research Experiences for Undergraduates programs that are held each summer across the United States.

The AMS awards several scholarships for U.S. students to attend the Math in Moscow program. The scholarships are made possible through a grant from the National Science Foundation. For more information about Math in Moscow, consult <http://www.mccme.ru/mathinmoscow> and the article “Bringing Eastern European mathematical traditions to North American students”, *Notices*, November 2003, pages 1250–4.

—Elaine Kehoe

## AMS Congressional Fellow Chosen

The American Mathematical Society is pleased to announce that CARLA D. COTWRIGHT-WILLIAMS has been chosen as its Congressional Fellow for 2012–2013.

The fellowship provides a unique public policy learning experience, demonstrates the value of science-government interaction, and brings a technical background and external perspective to the decision-making process in Congress.



**Carla D.  
Cotwright-Williams**

Cotwright-Williams is an assistant professor at Norfolk State University. She received her Ph.D. in mathematics from the University of Mississippi. The AMS will sponsor her fellowship through the Congressional Fellowship program administered by the American Association for the Advancement of Science (AAAS).

Fellows spend a year working on the staff of a member of Congress or a congressional committee, working as a special legislative assistant in legislative and policy areas requiring scientific and technical input. The fellowship program includes an orientation on congressional and executive branch operations and a year-long seminar series on issues involving science, technology, and public policy.

—AMS Washington Office

## From the AMS Public Awareness Office

**AMS at the USA Science and Engineering Festival.** The AMS was a Palladium Sponsor and Exhibitor at the second USA Science and Engineering Festival (USASEF), the nation's largest celebration of science and engineering, held April 28–29, 2012, in Washington, D.C. The AMS activity for visitors—making stick knots—was led by Lew



**Lew Ludwig leads the stick-knot activity at the USA Science & Engineering Festival.**

Ludwig, Denison University, and four of his undergraduate mathematics students, with the help of Mike Breen and Annette Emerson, AMS Public Awareness officers, and Anita Benjamin, assistant director, AMS Washington Office. See photographs, video, and information about the AMS activity and festival: <http://www.ams.org/meetings/usasef-2012>. The AMS also ran the Who Wants to Be a Mathematician game, at which Daniel Yang, a junior at Urbana High School in Maryland, won US\$3,000: <http://www.ams.org/programs/students/wwtbam/wwtbam-usasef-2012>.

**Mathematical Imagery.** Two new albums, *2012 Mathematical Art Exhibition* and *Simon Beck's Snow Patterns*, are posted. The images can be sent as e-postcards: <http://www.ams.org/mathimagery/>.

**AMS Facebook.** The redesign of this social network includes a timeline of AMS milestones since the Society's founding: <http://www.facebook.com/amermathsoc>.

—Annette Emerson and Mike Breen  
AMS Public Awareness Officers  
paoffice@ams.org

## AMS Sponsors Exhibit at Capitol Hill Event

The AMS sponsored an exhibit booth at the Coalition for National Science Funding (CNSF) Exhibition on Capitol Hill on May 15, 2012, on the Institute for Computational



**Jill Pipher (left) with Cora Marrett, deputy director of the NSF, and Sastry Pantula, director of the Division of Mathematical Sciences at NSF.**



**Jill Pipher and Lauren Barrows with Rep. Rush Holt (D-NJ).**

and Experimental Research in Mathematics (ICERM). Jill Pipher, director of ICERM, and Lauren Barrows, program manager, presented information on the institute to 275 attendees at this annual event showcasing research and education projects supported by the National Science Foundation (NSF).

During the last decade, rapidly evolving technological advances, in particular in the information and communication sciences, has led to the introduction of social networks, search engines, cyber security and privacy, smart energy grids, improved medical imaging, and a plethora of novel modes of commerce. However, the generation, optimization, and deployment of these new technologies continue to drive the demand for new mathematics—new algorithms, techniques, formulations, and models to address emerging questions of critical societal importance.

In a complementary fashion, computers continue to enrich mathematics by providing an experimental environment, akin to the laboratory of the biologist, in which the researchers can conduct experiments to drive insight and innovation. Advanced and reliable software is increasingly becoming an essential part of the fabric of society, and the continued development and improvement of today's

software, employing a fresh approach to math and modeling, will be essential for addressing tomorrow's grand challenges.

This exhibit, titled ICERM: Connecting Mathematics and Computing through Experimentation, highlighted the ways researchers employ an experimental approach to investigate cutting-edge mathematical questions and computational tools, laying the foundation for discovery, emerging technologies, and innovation.

ICERM, funded by the NSF and located at Brown University in Providence, Rhode Island, helps researchers tackle these mathematical problems in the context of two semester-long thematic programs, together with their associated international conferences and workshops.

The 2012 CNSF Exhibition included thirty-five displays on a wide range of projects. CNSF is an alliance of more than 120 scientific and professional societies and universities united by a concern for the future viability of the national science, mathematics, and engineering enterprise. The coalition is chaired by Samuel M. Rankin III, associate executive director of the AMS and the director of its Washington office.

—AMS Washington Office

## Deaths of AMS Members

CALVIN D. AHLBRANDT, of Columbia, Missouri, died on May 2, 2012. Born on August 13, 1940, he was a member of the Society for 46 years.

H. ROBERT ANDREWS, of Evans, Georgia, died on April 25, 2011. Born on September 26, 1922, he was a member of the Society for 34 years.

RAFAEL ARTZY, professor, University of Haifa, died on August 22, 2006. Born on July 23, 1912, he was a member of the Society for 58 years.

THOMAS P. CAHILL, of Brooklyn, New York, died on July 17, 2011. Born on April 4, 1945, he was a member of the Society for 36 years.

HASKELL COHEN, of Belchertown, Massachusetts, died on January 19, 2012. Born on September 12, 1920, he was a member of the Society for 65 years.

WILLIAM J. DAVIS, of Columbus, Ohio, died on August 4, 2011. Born on January 25, 1939, he was a member of the Society for 48 years.

PHILIPPE FLAJOLET, of Le Chesnay, France, died on March 22, 2011. Born on December 1, 1948, he was a member of the Society for 23 years.

RAYMOND FREESE, professor, St. Louis University, died on March 11, 2012. Born on December 17, 1934, he was a member of the Society for 53 years.

FREDERICK W. GEHRING, of Ann Arbor, Michigan, died on May 29, 2012. Born on August 7, 1925, he was a member of the Society for 60 years.

BASIL GORDON, of Santa Monica, California, died on January 12, 2012. Born on December 23, 1931, he was a member of the Society for 60 years.

LEON W. GREEN, professor, University of Minnesota, died on August 17, 2009. Born on December 12, 1925, he was a member of the Society for 59 years.

MERLE D. GUAY, of Hancock, Maine, died on February 1, 2012. Born on July 5, 1933, he was a member of the Society for 43 years.

DOROTHY M. HELLER, of Gwynedd, Pennsylvania, died on January 13, 2012. Born on December 30, 1920, she was a member of the Society for 44 years.

FRIEDRICH E. P. HIRZEBRUCH, professor, Max Planck Institute for Mathematics, Germany, died on May 27, 2012. Born on October 17, 1927, he was a member of the Society for 59 years.

JOSEPH H. HORNBACK, of Nevada, Missouri, died on August 19, 2005. Born on April 20, 1910, he was a member of the Society for 55 years.

R. BRUCE KELLOGG, of Landrum, South Carolina, died on April 30, 2012. Born on December 28, 1930, he was a member of the Society for 59 years.

YUN-SU KIM, of Toledo, Ohio, died on November 26, 2011. Born on December 27, 1969, he was a member of the Society for 12 years.

VANGIPURAM LAKSHMIKANTHAM, professor, Florida Institute of Technology, died on June 7, 2012. Born on August 8, 1926, he was a member of the Society for 50 years.

JORAM LINDENSTRAUSS, professor, Hebrew University of Jerusalem, died on April 29, 2012. Born on October 28, 1936, he was a member of the Society for 50 years.

BONNIE H. LITWILLER, of Morton, Illinois, died on January 27, 2012. Born on February 14, 1937, she was a member of the Society for 42 years.

JOHN BORIS MILLER, of Berwick, VIC, Australia, died on July 27, 2011. Born on March 24, 1928, he was a member of the Society for 49 years.

KATHRYN A. MORGAN, of Creston, California, died on February 5, 2010. Born on November 18, 1922, she was a member of the Society for 65 years.

SIEGFRIED F. NEUSTADTER, of San Francisco, California, died on April 27, 2012. Born on July 5, 1923, he was a member of the Society for 68 years.

ALI ERHAN OZLUK, professor, University of Maine, died on March 1, 2012. Born on September 13, 1922, he was a member of the Society for 34 years.

CHARLES E. M. PEARCE, professor, University of Adelaide, died on June 9, 2012. Born on March 29, 1940, he was a member of the Society for 22 years.

ANTHONY J. PENICO, professor, Missouri University of Science & Technology, died on November 19, 2011. Born on June 11, 1923, he was a member of the Society for 65 years.

HARSH V. PITTIE, of New York, New York, died on January 16, 2012. Born on January 3, 1944, he was a member of the Society for 45 years.

JONATHAN ROGAWSKI, professor, University of California Los Angeles, died on September 27, 2011. Born on January 22, 1955, he was a member of the Society for 34 years.

HARRY L. ROSENZWEIG, professor, McDaniel College, died on February 3, 2012. Born on December 1, 1939, he was a member of the Society for 46 years.

URIEL GEORGE ROTHBLUM, professor, Technion-Israel Institute of Technology, died on March 26, 2012. Born on March 16, 1947, he was a member of the Society for 37 years.

FRANK SHERBURNE JR., of Holland, Michigan, died on June 4, 2012. Born on November 1, 1928, he was a member of the Society for 57 years.

HAROLD SHNIAD, of Bellevue, Washington, died on October 22, 1996. Born on July 30, 1917, he was a member of the Society for 49 years.

DAVID W. STARR, of Lake Quevre, Kansas, died on August 17, 2002. Born on December 8, 1912, he was a member of the Society for 64 years.

DAVID A. STORVICK, of Minneapolis, Minnesota, died on November 5, 2011. Born on October 24, 1929, he was a member of the Society for 57 years.

MICHAEL I. TAKSAR, professor, University of Missouri-Columbia, died on February 12, 2012. Born on September 9, 1949, he was a member of the Society for 18 years.

WILLIAM DAVIS ULLERY, professor, Auburn University, died on January 1, 2012. Born on March 10, 1954, he was a member of the Society for 32 years.

ROBERT EUGENE WEIBLEN, of Baltimore, Maryland, died on January 31, 2011. Born on November 6, 1933, he was a member of the Society for 5 years.

MARION D. WETZEL, of Granville, Ohio, died on January 14, 2012. Born on September 11, 1919, she was a member of the Society for 69 years.

JOHN A. WHEELER, professor, Princeton University, died on April 13, 2008. Born on July 9, 1911, he was a member of the Society for 46 years.

HALBERT WHITE, professor, University of California San Diego, died on March 31, 2012. Born on November 19, 1950, he was a member of the Society for 19 years.

ROBERT C. WREDE, of Aptos, California, died on December 5, 2011. Born on October 19, 1926, he was a member of the Society for 56 years.



**Director  
(f/m) of the Johann  
Radon Institute  
for Computational  
and Applied  
Mathematics (RICAM)  
at the Austrian Academy of Sciences**

As the leading non-university institution engaged in basic research in Austria, the Austrian Academy of Sciences invites applications for the position of **Director (f/m) of the Johann Radon Institute for Computational and Applied Mathematics (RICAM)**, as successor to Heinz Engl.

RICAM is located in Linz, Upper Austria. Currently, the Institute has a staff of 56 scientists working in the following groups. Research groups:

- "Computational Methods for Direct Field Problems"
- "Inverse Problems"
- "Symbolic Computation"
- "Analysis of Partial Differential Equations"
- "Optimization and Optimal Control"
- "Mathematical Imaging"
- "Mathematical Methods in Molecular and Systems Biology"

Special purpose groups:

- Transfer Group
- Research Project "Applied Discrete Mathematics and Cryptography"
- START Project "Sparse Approximation and Optimization in High Dimensions"

The position will be available from 1-1-2013. It is a tenured position with regard to senior scientist status; the function as director will be initially limited to five years (with the possibility of tenure after evaluation) and will be combined with a professorship at the Johannes Kepler University in Linz. The Academy offers a highly competitive salary.

Applicants should submit their CV, complete list of publications, and separate listings of (no more than 5) most important scientific publications, talks by invitation, third-party funded projects, academic awards received.

The Austrian Academy of Sciences is very much interested to increase the number of female scientists in leading positions. Therefore we encourage women to apply for this position.

The Austrian Academy values diversity and is committed to equality.

Applications should be addressed to the head of the search committee, **Prof. Karl Sigmund**, care of **Administration Office of the Section for Mathematics and the Natural Sciences of the Austrian Academy of Sciences, Dr. Ignaz Seipel-Platz 2, 1010 Vienna, AUSTRIA:**  
[mathnat@oeaw.ac.at](mailto:mathnat@oeaw.ac.at)

Further information can be obtained from Karl Sigmund (phone 0043 1 4277 50612, email [karl.sigmund@univie.ac.at](mailto:karl.sigmund@univie.ac.at)). Information about the Academy of Sciences or the Radon Institute can be found on <http://www.oeaw.ac.at/> and <http://www.ricam.oeaw.ac.at/>.

**Deadline for applications is September 1, 2012.**