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# For Your Information

## News from IPAM

The Institute for Pure and Applied Mathematics (IPAM) at the University of California, Los Angeles, announces the following schedule of programs.

### **Semester-Long Programs, 2001–2002**

*Conformal Field Theory, September 2001–December 2001:* Organizing Committee: Eric D'Hoker (UCLA), David Gieseker (UCLA), Victor Kac (MIT), Tetsuji Miwa (RIMS, Kyoto University), David Olive (University of Wales, Swansea), Duong H. Phong (Columbia), and Edward Witten (IAS). Workshops: Applications of Conformal Field Theory, October 15–19, 2001; Representation Theory of Loop Groups, November 12–16, 2001.

*Large-Scale Communication Networks, March 2002–June 2002:* Organizing Committee: Tony Chan (UCLA and IPAM), David Donoho (Stanford), John Doyle (Caltech), Deborah Estrin (UCLA), Kristina Lerman (USC/ISI), and Walter Willinger (AT&T Labs-Research). Tutorials will be held March 12–15, 2002. Workshops: Large-Scale Communication Networks: Topology and Routing, March 18–22, 2002; Spatio-Temporal Aspects of Large-Scale Network Dynamics, April 15–19, 2002; and On Massively Distributed Self-Organizing Systems (Sensor Networks), May 13–17, 2002.

### **Short Programs, 2001–2002**

*Contemporary Methods in Cryptography, January 9–13, 2002:* Organizing Committee: Don Blasius (UCLA), William Duke (UCLA), Jonathan Rogawski (UCLA), Daniel Boneh (Stanford), Cynthia Dwork (Compaq Systems Research Center), and Joseph Silverman (NTRU Cryptosystems/Brown University).

*Mathematical Challenges in Scientific Data Mining, January 14–18, 2002:* Organizing Committee: Chandrika Kamath (CASC, LLNL), Padhraic Smyth (CS, UC Irvine), B. S. Manjunath (ECE, UC Santa Barbara), and Ananth Grama (CS, Purdue).

*Mathematics of Subgrid-Scale Phenomena in Atmospheric and Oceanic Flows, January 28–February 5, 2002:* Organizing Committee: Kerry Emanuel (Atmospheric Sciences, MIT), Markos A. Katsoulakis (Mathematics, U. Mass), Andrew Majda (Mathematics, NYU), and Bjorn Stevens (Atmospheric Sciences, UCLA).

*Human Evolution and Genetics, February 11–15, 2002:* Organizing Committee: Simon Tavaré (USC), Mark Green (UCLA), and Magnus Nordborg (USC).

*Linear Scaling Electronic Structure Methods, April 1–4, 2002:* Organizing Committee: Emilio Artacho (UAM), Roi Baer (Chemistry, Hebrew U., Israel), Gregory Beylkin (U. Colorado, Boulder), Achi Brandt (Math. Sci., Weizmann Inst., Israel), Emily Carter (Chemistry, UCLA), and Yousef Saad (CS, Minnesota).

### **Undergraduate Program, Summer 2002**

*Research in Industrial Projects for Students (RIPS):* RIPS is a summer program based on the National Science Foundation's Research Experiences for Undergraduates program with industry-sponsored projects. It will run from July 1, 2002, to August 31, 2002. The application period for 2002 will open September 1, 2001. Please see <http://www.ipam.ucla.edu/programs/rips2002/> for details.

Registration for individual workshops is available. Please visit the IPAM Web site for more detailed information: <http://www.ipam.ucla.edu/programs/>.

—IPAM announcement

## Board on Mathematical Sciences Chairs' Colloquium

The Sixteenth Annual Chairs' Colloquium of the Board on Mathematical Sciences (BMS) will be held November 9-10, 2001. Brochures and registration forms are mailed in August to each four-year U.S. mathematics and statistics department. For further information, see the BMS Web site at <http://www.nas.edu/bms/>, or contact the Board on Mathematical Sciences by telephone at 202-334-2421 or by e-mail at [bms@nas.edu](mailto:bms@nas.edu). The postal address is: Board on Mathematical Sciences, National Research Council, Room HA476U, 2101 Constitution Avenue, NW, Washington, DC 20418.

—BMS announcement

## *Proof* Wins Best Play Tony Award

The play *Proof* by David Auburn has received the 2001 Tony Award for Best Play. The play concerns the daughter of a late mathematician who became famous for his complicated proofs and who suffered from dementia. The daughter, who has fears for her own mental health, claims to be the author of an important theorem about prime numbers that could change mathematics forever, but one of her father's former students has doubts about her authorship. The play also received the 2001 Pulitzer Prize for Drama. Reviews of the play previously appeared in the *Notices*, October 2000, pages 1082-4, and June/July 2000, pages 596-7.

—Elaine Kehoe

## Questionnaire for Mathematicians

A research project has been launched to investigate what fascinates mathematicians about their subject, how they came into the field, and what they think about it now. Conducting the research are Patrick Bangert of the Department of Mathematics at University College London and Nicky Graves Gregory, a cranio-sacral therapist and director of the Web site [ecobiz.co.uk](http://ecobiz.co.uk). They intend to interview about ten prominent mathematicians and are also circulating a questionnaire. The ultimate aim is to write a book based on this research.

Mathematicians may participate in the project by filling out the questionnaire, which is on the Web at <http://www.knot-theory.org/questionnaire/>.

—Allyn Jackson