

Mathematics Calendar

The most comprehensive and up-to-date Mathematics Calendar information is available on the AMS website at
<http://www.ams.org/mathcal/>.

August 2007

* 6–8 **Workshop on Quantum Groups and Noncommutative Geometry**, Max Planck Institut für Mathematik, Bonn, Germany.

Organizers: Matilde Marcolli (Bonn), Deepak Parashar (Warwick/Bonn).

Information: email: qg@mpim-bonn.mpg.de; <http://www.mpim-bonn.mpg.de/Events/This+Year+and+Prospect/Workshop+on+Quantum+Groups+and+.../>.

* 17–19 **Young Mathematicians Conference 2007**, The Ohio State University, Columbus, Ohio.

Description: The conference provides an opportunity for undergraduate students around the country to present their research in mathematics in short talks and posters, and for mentors to exchange ideas.

Speakers: Ruth Charney (Brandeis University), Dennis DeTurck (University of Pennsylvania), and Amelia Taylor (Colorado College).

Information: Information and application forms can be found at: <http://www.math.osu.edu/conferences/ymc/>.

September 2007

* 3–7 **Some Trends in Algebra '07**, Czech University of Agriculture, Prague, Czech Republic.

Program: The topics include various aspects of module theory. The main focus is on category theoretic, homological, set theoretic and model theoretic methods.

Organizers: Department of Algebra, Charles University in Prague, Department of Mathematics, Czech Agricultural University.

Information: <http://www.karlin.mff.cuni.cz/katedry/ka/sta07.htm>.

This section contains announcements of meetings and conferences of interest to some segment of the mathematical public, including ad hoc, local, or regional meetings, and meetings and symposia devoted to specialized topics, as well as announcements of regularly scheduled meetings of national or international mathematical organizations. A complete list of meetings of the Society can be found on the last page of each issue.

An **announcement** will be published in the *Notices* if it contains a call for papers and specifies the place, date, subject (when applicable), and the speakers; a second announcement will be published only if there are changes or necessary additional information. Once an announcement has appeared, the event will be briefly noted in every third issue until it has been held and a reference will be given in parentheses to the month, year, and page of the issue in which the complete information appeared. Asterisks (*) mark those announcements containing new or revised information.

In **general**, announcements of meetings and conferences held in North America carry only the date, title of meeting, place of meeting, names of speakers (or sometimes a general statement on the program), deadlines for abstracts or contributed papers, and source of further information. Meetings held outside the North American area may carry more detailed information. In any case, if there is any application deadline with

* 23–26 **The 15th International Symposium on Graph Drawing**, Sydney, Australia.

Scope: The range of topics that are within the scope of the International Symposium on Graph Drawing includes (but is not limited to): • Visualization of networks, • Web maps, • software engineering diagrams, • database schemas, • chemical structures and molecules, • Graph Algorithms, • Geometric graph theory, • Geometric computing, • Software systems for graph visualization, • Topology and planarity, • Graph theory and optimization on graphs, • Interfaces for interacting with graphs, • Task analysis to guide graph drawing.

Invited Speakers: Brendan McKay (ANU, Australia), Norishige Chiba (Iwate University, Japan).

Contact Information: The organizing committee can be contacted at gd2007@cs.usyd.edu.au.

* 24–25 **DIMACS/DyDAn Workshop on Computational Methods for Dynamic Interaction Networks**, DIMACS Center, CoRE Building, Rutgers University, Piscataway, New Jersey.

Short Description: A substantial body of research in various sciences aims at understanding the dynamics and patterns of interactions within populations, in particular how social groups arise and evolve. As a result of the advances in communications and computing technology, extreme amounts of data are being accumulated representing the evolution of large scale communication networks, such as the WWW, chatrooms, Blogs, and networks of bluetooth enabled handheld devices. Moreover, as small sensors become largely available and affordable, new research areas are exploiting the social networks resulting from those sensor networks data. Finding patterns of social interaction within a population has been addressed in a wide range applications including: dis-

respect to participation in the meeting, this fact should be noted. All communications on meetings and conferences in the mathematical sciences should be sent to the Editor of the *Notices* in care of the American Mathematical Society in Providence or electronically to notices@ams.org or mathcal@ams.org.

In order to allow participants to arrange their travel plans, organizers of meetings are urged to submit information for these listings early enough to allow them to appear in more than one issue of the *Notices* prior to the meeting in question. To achieve this, listings should be received in Providence **eight months** prior to the scheduled date of the meeting.

The **complete listing** of the Mathematics Calendar will be published only in the September issue of the *Notices*. The March, June/July, and December issues will include, along with new announcements, references to any previously announced meetings and conferences occurring within the twelve-month period following the month of those issues. New information about meetings and conferences that will occur later than the twelve-month period will be announced once in full and will not be repeated until the date of the conference or meeting falls within the twelve-month period.

The **Mathematics Calendar**, as well as Meetings and Conferences of the AMS, is now available electronically through the AMS website on the World Wide Web. To access the AMS website, use the URL: <http://www.ams.org/>.

Mathematics Calendar

ease modeling cultural and information transmission, intelligence and surveillance, business management, conservation biology and behavioral ecology.

Organizers: Tanya Berger-Wolf, University of Illinois at Chicago, tanyabw@uic.edu; Mark Goldberg, RPI, goldberg@cs.rpi.edu; Malik Magdon-Ismail, RPI, magdon@cs.rpi.edu; Fred Roberts, DIMACS, froberts@dimacs.rutgers.edu; William "Al" Wallace, RPI, wallawo@rpi.edu.

Information: <http://dimacs.rutgers.edu/Workshops/Dynamic>.

October 2007

* 22–26 **Numerical Tools and Fast Algorithms for Massive Data Mining, Search Engines and Applications**, UCLA, Los Angeles, California.

Topics: Deterministic and randomized algorithms for matrix approximation, Analysis of dense matrices, Fast algorithms for SVD solvers, Algorithms for l_0 and l_1 approximation, High precision randomized algorithms of linear algebra, Interior point methods, Relation of fast solvers to the Fast Multipole Method, Manifold approximation, Band-limited functions on data sets.

Organizing Committee: Yann LeCun, Chair (New York University), Ming Gu (University of California, Berkeley), Piotr Indyk (Massachusetts Institute of Technology), Vladimir Rokhlin (Yale University), Sam Roweis (University of Toronto), Andrew Zisserman (University of Oxford).

Application/Registration: An application/registration form is available at <http://www.ipam.ucla.edu/programs/sews2/>. The application part is for people requesting financial support to attend the workshop. If you don't intend to do this, you may simply register. Applications received by September 3, 2007, will receive fullest consideration.

November 2007

* 1–4 **Knotting Mathematics and Art: a Conference on Low Dimensional Topology and Mathematical Art**, University of South Florida, Tampa, Florida.

Organizers: J. Scott Carter, University of South Alabama; Mohamed Elhamdadi, University of South Florida; Natasa Jonoska, University of South Florida; Seiichi Kamada, Hiroshima University; Akio Kawauchi, Osaka City University; Masahico Saito, University of South Florida; John Sims, JohnSimsProjects.

Program: Lectures on knot theory, low dimensional topology and mathematical art. Exhibition of mathematical art.

Information: Contact: saito@math.usf.edu (Masahico Saito), jonas@math.usf.edu (Natasha Jonoska); <http://knotart.cas.usf.edu>.

January 2008

* 10–13 **First Announcement for Thirteenth Annual Conference and First International Conference of Gwalior Academy of Mathematical Sciences (GAMS) with Symposium on Mathematical Modeling in Engineering and Biosciences**, Anand Engineering College, Agra, U.P. India.

Workshop Topic: Mathematical Modeling in Engineering and Biosciences.

Organizers: Jointly organized by Gwalior Academy of Mathematical Sciences (GAMS): <http://www.gamsinfo.com> & Anand Engineering College, Keetham, AGRA-282007 (India).

Deadlines: Last date for Pre-Registration & Submission of Abstract: August 6, 2007. Communication of Acceptance: September 10, 2007. Last date for submission of full-length papers for publication in the Proceedings: October 1, 2007. Second Announcement: October, 2007.

Information: General Correspondence: Prof. V. P. Saxena, Anand Engineering College Keetham, Agra-Delhi Road (N.H. #2) Agra-282007, India; Mob. +91-94251-09044; email: saxena_vp@rediffmail.com.

Submission of Abstracts and Papers: Prof. K. R. Pardasani, Department of Mathematics, Maulana Azad National Institute of Technology, Bhopal-462007, India; Bhopal-462007, India; Mob. +91-94253-58308; email: 13plus1gams@gmail.com; <http://kamrajp@hotmail.com>.

* 28–February 1 **Image Analysis Challenges in Molecular Microscopy**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California.

Description: Scientific Background: Understanding the hierarchical organization of molecules, multi-protein assemblies, organelles and networks within the interior of a eukaryotic cell is a challenge of fundamental interest in cell biology. A wide variety of microscopic and spectroscopic methods already exist for imaging intact cells and their components: modern fluorescence microscopic methods provide powerful tools for imaging at spatial resolutions in the micron range, while emerging methods in electron microscopy can be used to image the arrangement of protein assemblies at resolutions of 1 nm or better. To take advantage of these rapid advances in imaging technology, it is critical to develop and apply advanced computational strategies for image processing that can cope both with the volume and complexity of the data. This conference seeks to bring together leaders at this interdisciplinary interface of image processing and stimulate new partnerships to address computational problems at this exciting frontier of cell biology. The one-week meeting will bring together biologists, physicists, mathematicians and specialists in microscopy and image analysis.

Organizing Committee: Guillermo Sapiro, Chair (University of Minnesota, Twin Cities), Alberto Bartesaghi (National Institutes of Health (NIH)), Jacqueline Milne (National Institutes of Health (NIH)), Sriram Subramaniam (National Institutes of Health (NIH)).

Application/Registration: An application/registration form is available on <http://www.ipam.ucla.edu/programs/imm2008/>. The application part is for people requesting financial support to attend the workshop. If you don't intend to do this, you may simply register. We urge you to apply as early as possible. Applications received by December 17, 2007, will receive fullest consideration. Successful applicants will be notified as soon as funding decisions are made. We have funding to support the attendance of recent Ph.D.s, graduate students, and researchers in the early stages of their career; however, mathematicians and scientists at all levels who are interested in this area are encouraged to apply for funding. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM's mission and we welcome their applications.