

Mathematics Calendar

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

November 2000

* 18-19 **International Conference on Nonlinear Partial Differential Equations and Analysis**, University of California, Santa Barbara.

Speakers: P. Benilan, L. Caffarelli, W. Helton, R. Jensen, T. Liggett, P.-L. Lions, A. Majda, P. Rabinowitz, L. Tartar.

Organizers: L. C. Evans, T. C. Sideris, P. E. Souganides.

Information: <http://www.math.ucsb.edu/~sideris/conference.html>.

* 23-25 **Multimedia Tools for Communicating Mathematics**, CMAF-Universidade de Lisboa, Lisbon, Portugal.

Workshop Topics: This developers' workshop is aimed at experts who have already produced or are involved in the development of multimedia tools for communicating mathematical experiments and theory, either for scientific research or for educational purposes.

Organization: This workshop is organized in the framework of a WMY2000 program on Communication of Mathematics by the Centro de Matemática Aplicações Fundamentais da Universidade de Lisboa, with a special grant from the Portuguese Fundação para a Ciência e Tecnologia, with the collaboration of the Sonderforschungsbereich 288 at the Technical University of Berlin and the Centre for Experimental and Constructive Mathematics of the Simon Fraser University, Canada.

Deadline: Full papers, October 31, 2000.

Information: e-mail: mtcm2000@lmc.fc.ul.pt.

January 2001

* 4-9 **II Iberoamerican Congress on Geometry**, Guanajuato, Mexico.

Main Themes: The main themes of the conference (centered around the research of the main speakers) are expected to be: Automorphic forms, theta functions (and constants), Poincaré

series, discrete groups and Teichmüller theory, minimal surfaces, maps on surfaces, Galois groups, Klein surfaces, complex dynamics, and ordinary differential equations.

Organizers: The U.S. organizers for the meeting are C. J. Earle, I. Kra, and M. Wolf.

Speakers: Speakers presently include: J. Brock, J. Eells, A. Epstein, F. W. Gehring, J. Gilman, V. Markovic, H. Masur, and M. Wolf. The following mathematicians from the U.S. are also expected to attend the conference: W. Abikoff, F. P. Gardiner, J. Hubbard, L. Keen, N. Lakic, B. Maskit, and J. R. Quine.

Funding: The National Science Foundation has provided the congress with funding to support the travel of a few active researchers and graduate students in the relevant fields from the United States; those interested should send an inquiry to iberg@math.rice.edu. The application consists of a statement from the applicant stating his/her intention to attend along with a statement regarding financial needs. Graduate students should attach a letter of support from their department that clearly indicates the student's level of knowledge of the relevant field and that attendance will help the student's progress. Women and others from underrepresented groups in mathematics are especially encouraged to attend and inquire about support. Those with research support (whether from the government, a foundation, or the home institution) are expected to share in the expenses involved in attending the meeting. The hosts expect to be able to supply only partial support for most participants and that, in particular, departments will contribute at least 50% of the support required by their graduate students.

Information: More information on the congress will be posted in the future on the Web at <http://www.cimat.mx/>; pointers to the Web site will be found on each organizer's home page.

* 22-25 **First International Conference on Industrial and Applied**

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 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 **six 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, 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 e-MATH on the World Wide Web. To access e-MATH, use the URL: <http://e-math.ams.org/> (or <http://www.ams.org/>). (For those with VT100-type terminals or for those without WWW browsing software, connect to e-MATH via Telnet (telnet e-math.ams.org; login and password e-math) and use the Lynx option from the main menu.)

Mathematics, GNDU, Amritsar, India.

Sponsors: Organized jointly by Indian Society of Industrial and Applied Mathematics and Gurunanak Dev University.

Invited Speakers: P. L. Butzer, M. Z. Nashed, H. Mittelmann, P. Toint, R. Lozi, M. Chipot.

Organizers: J. N. Kapur (Pres. ISIAM), A. H. Siddiqi (Sec. ISIAM) and P. Manchanda (head, Math. GNDU and organizing secretary).

Information: P. Manchanda (chairperson), Department of Mathematics, Gurunanak Dev University, Amritsar, India; tel: 0091-183-422748 (res.); 0091-183-258802-09, ext. 3299 (off.); fax: 0091-183-258820; e-mail: kmanch@jla.vsnl.net.in.

March 2001

*2-3 **Southeastern Analysis Meeting (SEAM XVII)**, University of Georgia, Athens, Georgia.

Main Speakers: J. McCarthy (Washington Univ. in St. Louis) will speak on Pick's Theorem. G. Yu (Vanderbilt Univ.) will speak on Novikov's Conjecture and Large Scale Geometry of Groups.

Format: Each main speaker will give two lectures, designed to be accessible to graduate students. There will also be sessions for 20-minute talks by conference participants.

Information: Conference Web site: <http://www.math.uga.edu/~seam17/>. Conference e-mail address: seam17@math.uga.edu.

*22-24 **Richard Brauer (1901-1977): Taking His Ideas into the 21st Century**, Stuttgart, Germany.

Description: Richard Brauer was born in Berlin, Germany, on February 10 in 1901. On the occasion of the 100th anniversary of this event, an international conference will be held. The aim of the conference is to bring together experts from the various areas to which R. Brauer made significant contributions, to report on developments initiated by his work and his questions, to describe the present state of knowledge in various areas of algebra and number theory, and to outline major challenges for future research.

Main Speakers: J. Alperin (Chicago), M. Broué (Paris), J.-L. Colliot-Thélène (Orsay), C. W. Curtis (Eugene), K. Erdmann (Oxford), M. Geck (Lyon), B. Gross (Harvard), M. Hertweck (Stuttgart), S. König (Leicester), G. R. Robinson (Birmingham), D. Saltman (Austin), J.-P. Serre (Paris), J. Thévenaz (Lausanne).

Organizing Committee: C. Bessenrodt, R. Dipper (local organization), G. Hiß, I. Kersten, B. Külshammer (chair), G. Malle, C. Ringel, J. Ritter.

Contacts: B. Külshammer, Mathematical Institute, University of Jena, 07740 Jena, Germany; kuelshammer@uni-jena.de. Local arrangements: R. Dipper, Mathematical Institute B, University of Stuttgart, 70569 Stuttgart, Germany; rdipper@mathematik.uni-stuttgart.de.

Information: <http://www.mathematik.uni-jena.de/algebra/brauer/conference/>.

*26-30 (NEW DATE) **New Trends in Potential Theory and Applications**, Bielefeld University, Bielefeld, Germany.

Program: This conference is meant to be a continuation of a series of international conferences on potential theory and related fields (as, e.g., the ones in Copenhagen '79, Prague '87, Amersfoort '91, Kouty '94, Hammamet '98). The beginning of the new millennium seems appropriate to reflect on the current developments and to specify new promising directions of research in this classical area of mathematics. Emphasis will be given to various applications, in particular, in mathematical physics. We would also like to celebrate the 60th birthday of our colleague and friend Wolfgang Hansen on the afternoon of March 28.

Topics: The conference will include the topics: differential geometry, Dirichlet forms, fractals, linear and nonlinear PDEs, Schrödinger operators, Markov processes, stochastic analysis.

Organizing Committee: Ph. Blanchard (Bielefeld), J. Bliedtner (Frankfurt), A. Boukriha (Tunis), K. Janssen (Düsseldorf), V. Metz (Bielefeld), M. Röckner (Bielefeld).

Information: Anyone interested in taking part in the conference should contact the organizers via e-mail. Further information will

be provided soon.

Contact: V. Metz, Fakultät für Mathematik, Universität Bielefeld, Postfach 10 01 31, D-33501 Bielefeld, Germany; e-mail: metz@mathematik.uni-bielefeld.de.

April 2001

*20-22 **Riviere-Fabes Symposium on Analysis and PDE**, University of Minnesota, School of Mathematics, Minneapolis, Minnesota.

Program: Principal Speakers (two 60-minute lectures each): R. A. Fefferman, Univ. of Chicago; D. W. Stroock, Massachusetts Inst. of Technology. There will be four additional speakers giving one lecture each.

Information: Check the Web site <http://www.math.umn.edu/> for details.

May 2001

*6-10 **Eurocrypt 2001**, Innsbruck, Austria.

Call for Papers: Original papers on all technical aspects of cryptography are solicited for submission to Eurocrypt 2001, the 20th Annual Eurocrypt Conference. It is organized by the International Association for Cryptologic Research (<http://www.iacr.org/>). Submission deadline is November 6, 2000. All details can be found at <http://www.ec2001.ocg.at/>.

*28-30 **2001 International Conference on Computational Science**, San Francisco, California.

Program: The 2001 International Conference on Computational Science will be held at the Hilton San Francisco and Towers Hotel, San Francisco, California, from May 28 to May 30, 2001.

Computational science is increasingly becoming a vital part of many scientific investigations, affecting researchers and practitioners in areas ranging from aerospace and automotive to chemistry, electronics, and geosciences to mathematics and physics.

The concentration of this conference is in the realms of computational science in parallel and distributed environments, encompassing the facilitating theoretical foundations and the applications of such large-scale computations.

Call for Papers: Please see <http://www.ucalgary.ca/iccs/> or <http://www.hpcc.rdg.ac.uk/iccs/> for detailed information.

Call for Events Proposal: We invite proposals for technical sessions, workshops, and minisymposia. Please see <http://www.ucalgary.ca/iccs/> or <http://www.hpcc.rdg.ac.uk/iccs/> for detailed information.

Organizers: V. N. Alexandrov (Univ. of Reading, UK), J. J. Dongarra (Oak Ridge National Lab., USA), C. J. K. Tan (Univ. of Reading, UK).

Information: C. J. K. Tan, High Performance Computing Center, University of Reading, Reading RG6 6AY, United Kingdom; tel: 44-118-931-6722, 44-118-987-5123 ext. 7645; fax: 44-118-975-1994; Web: <http://www.ucalgary.ca/iccs/> or <http://www.hpcc.rdg.ac.uk/iccs/>.

July 2001

*3-5 **Mathematics & Design 2001: Mind/Ear/Eye/Hand/Digital**, School of Architecture, Australia School of Computing and Mathematics, Deakin University, Melbourne.

Subject: Contemporary relationships between mathematics, design synthesis, aesthetics and their graphical, digital, sculptural and musical representations.

Submission of abstracts: September 30, 2000.

Full paper due: January 5, 2001.

Call for posters: April 4, 2001.

Information: V. W. de Spinadel, e-mail: vwinit@fadu.uba.ar.

*9-22 **European Summer School: Asymptotic combinatorics with application to mathematical physics**, Euler International Mathematical Institute, St. Petersburg, Russia.

Scientific Committee: E. Brezin (ENS, France), O. Bohigios (Orsay, France), P. Deift (U. Penn USA), L. Faddeev (POMI, Russia), V. Malyshev (INRIA, France), A. Vershik (POMI, Russia; chairman).

Short description: The summer school aims to observe the recent progress in the asymptotic theory of Young tableaux and random matrices from the point of view of combinatorics, representation theory, and theory of integrable systems. The systematic courses on the subjects and current investigations will be presented.

Lecturers: P. Deift (U. Penn, USA), V. Kazakov (ENS, Paris, France), M. Kontsevich (IHES, France), A. Okoun'kov (UCB, USA), G. Ol'shansky (IPPI, Moscow, Russia).

Invited speakers: P. Biane, E. Brezin, K. Johansson, R. Kenyon, A. Lascoux, L. Pastur, R. Speicher, R. Stanley, C. Tracy, H. Widom.

Information: <http://www.pdmi.ras.ru/EIMI/2001/emschool/index.html>; e-mail: emschool@pdmi.ras.ru.

* 16-20 **Probability on Geometric Structures**, CIRM Marseille - Luminy, France.

Scientific Committee: Ph. Bougerol, J. Faraut, Y. Guivarc'h, H. Heyer, D. Richards, L. Saloff-Coste.

Organizers: P. Graczyk (Angers) and G. Letac (Toulouse).

Deadline: October 15, 2000.

Program, Workshop Topics: Over the past thirty years, some twenty meetings on probability on groups have taken place in Europe. This meeting in Luminy follows this tradition of contacts between probabilists and harmonic analysts. It is also meant to gather research where the pair group-probability plays the essential role.

Information: e-mail: graczyk@univ-angers.fr.

August 2001

* 20-22 **Seventh Annual International Computing and Combinatorics Conference (COCOON'01)**, Guilin, China.

Call for Papers: Original research papers in the areas of theoretical computer science and combinatorics related to computing are solicited. In addition to theoretical results, we are particularly interested in submissions that report on experimental and applied research of general algorithmic interest. Special consideration will be given to research that is motivated by real-world problems. Experimental and applied papers are expected to show convincingly the usefulness and efficiency of the algorithms discussed in a practical setting.

Topics: Algorithms and data structures; Automata, languages, logic, and computability; Combinatorics related to algorithms and complexity; Complexity theory; Computational algebra, biology, geometry, and number theory; Computational learning theory and knowledge discovery; Cryptography, reliability and security, and database theory; Graph drawing and information visualization; Graph theory, communication networks, and optimization; Parallel and distributed computing; Experimental analysis of algorithms.

Invited Speakers: B. Chazelle (Princeton Univ., USA), A. Wigderson (The Hebrew Univ. of Jerusalem, Israel).

Submission Deadline: February 19, 2001. For more information on submissions, please check the conference Web site at <http://cococon01.uncg.edu/>.

September 2001

* 10-14 **3rd IMACS Seminar on Monte Carlo Methods MCM2001**, Salzburg University, Austria.

Scope: The purpose of this conference (which is the third in a series, the previous ones being held in Bruxelles and Varna) is to provide a forum for the presentation of recent advances in the analysis, implementation, and applications of Monte Carlo simulation techniques and, in particular, to stimulate the exchange of information between specialists in these areas.

Deadlines: April 27, 2001: Deadline for submission of extended abstracts (1,000 words); June 15, 2001: Notification of acceptance/rejection; Sept. 10-14, 2001: Conference; Oct. 26, 2001: Deadline for submission of full papers for conference proceedings (intended to be published as special issue of the IMACS journal *Mathematics and Computers in Simulation*).

Information: <http://mcm2001.sbg.ac.at/>, or to be on the mailing list and get further information, please send an e-mail message to mcm2001@cosy.sbg.ac.at.

August 2002

* 20-28 **International Congress of Mathematicians 2002**, Beijing, China.

Description: The next International Congress of Mathematicians will take place in Beijing, People's Republic of China, August 20-28, 2002. For preregistration forms and additional information, please visit the following Web site: <http://www.icm2002.org.cn/> or e-mail the organizers at icmsec@beijing.icm2002.org.cn. Preregistrants will automatically receive progress reports on the upcoming congress as well as final registration materials. The International Congress of Mathematicians takes place every four years and is supported by the International Mathematical Union (IMU). For information regarding the IMU, please visit its Web site, <http://mathunion.org/>.