

Mathematics Calendar

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

May 2000

* 1-6 **Isomonodromic Deformations and Applications in Physics**, Centre de Recherches Mathématiques, Université de Montréal, Montréal, Québec, Canada.

Workshop Topics: Matrix Riemann-Hilbert problem, nonlinear WKB and applications; Tau functions, Vertex operators, Darboux transformations; Computation of correlation functions in quantum integrable systems and lattice models of statistical mechanics; The spectral theory of random matrices, with applications to quantum gravity; The theory of Frobenius manifolds, with applications to topological field theory, quantum cohomology, mirror symmetry; Scaling reductions of classical integrable systems; Hamiltonian structure and duality.

Organizers: J. Harnad (CRM & Concordia Univ.), A. Its (Indiana Univ. / Purdue Univ. at Indianapolis).

Speakers: P. Bleher, A. Bolibruch, P. Deift, B. Dubrovin, H. Flaschka, T. Fokas, J. Harnad, F. GÖhmann, A. Its, A. Kapaev, A. Kitaev, V. Korepin, D. Korotkin, A. Orlov, J. Palmer, N. A. Slavnov, C. Tracy, P. Van Moerbeke, H. Widom, X. Zhou.

Registration and Information: Visit the Web site http://www.crm.umontreal.ca/act/form/inscr_mathphys_an.shtml.

* 13 **East Coast Computer Algebra Day 2000**, Ontario, Canada.

Description: The 7th East Coast Computer Algebra Day (ECCAD'2000), a joint meeting with Southern Ontario Numerical Analysis Day 2000 and the 70th Birthday Celebration for Professor Hans J. Stetter, will be held on Saturday, May 13, 2000. It will be hosted at the Ontario Research Centre for Computer Algebra, The University of Western Ontario, London, Ontario, Canada. This meeting will be immediately preceded by the Southern Ontario Numerical Analysis Day (SONAD'2000) on May 12, 2000, at the

same location.

Organizers: M. Giesbrecht (general chair, ECCAD'2000), <http://www.csd.uwo.ca/~mwg/>; G. Labahn (program chair, ECCAD'2000), <http://www.daisy.uwaterloo.ca/~glabahn/>; R. Corless (general chair, SONAD'2000), <http://www.apmaths.uwo.ca/~rcorless/>.

Information: You can register and get more information by looking at the World Wide Web site <http://www.orcca.on.ca/events/>. Alternatively, send e-mail to one of the organizers, and registration information will be sent to you. There is no registration fee for either conference, and limited travel support may be available on request.

June 2000

* 1-3 **Fabes Lectures on Real Analysis & PDEs**, International Conference, Firenze, Italy.

Description: A conference in memory of Gene Fabes, continuing a series of meetings which took place in Italy with the purpose of gathering friends, colleagues, and former students of Gene together.

Speakers: The following mathematicians have agreed to give a talk: G. Alessandrini (Trieste), P. Baumann (Purdue), R. Brown (Lexington), L. Caffarelli (Austin), D. Jerison (MIT), M. Jodeit (Minneapolis), P. Manselli (Florence), C. Pagani (Milan), J. K. Seo (Seoul).

Information: Anyone interested in receiving subsequent announcements, registration form, and hotel information should send e-mail to fabes00@iaga.fi.cnr.it.

* 1-30 **Differential Geometry**, State University of Manchester, England.

Information: V. Shtukar, pletnev@mgl1.belpak.mogilev.by.

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.)

* 8–9 **Fifth International Conference on Mathematical Modeling and Application**, Institute of Mathematics, Riga-Jurmala, Latvia.

Focus: The conference focuses on various aspects of mathematical modeling and usage of difference methods for numerical solution of modern problems of science and engineering. It aims, in particular, to foster cooperation among practitioners and theoreticians in this field.

Topics: Analysis of numerical methods for solving problems of mathematical physics, parallel numerical algorithms and parallel computing, applications of difference methods to engineering problems, analysis of ODE and PDE problems and applications. The scientific program includes invited plenary talks (40 min.) and contributed talks (20 min.). A volume of proceedings will be published after the conference. All papers will be refereed.

Program and Organizing Committee: A. Buikis (vice chair), J. Cepitis (secretary), R. Ciegis (vice chair), O. Judrups, H. Kalis, A. Reinholds (chair), M. Sapagovas, A. Zemitis.

Call for Papers: Abstracts for contributed papers should be received by April 25, 2000.

Information: Institute of Mathematics, Akademijas laukums 1, LV-1524, Riga, Latvia; aijal@latnet.lv; tel: +371-7615753, 7225674, 9144961; fax: +371-7227520.

July 2000

* 10–15 **4th World Multiconference on Circuits, Systems, Communications & Computers (CSCC 2000)**, Vouliagmeni, Greece.

Description: The conference, dedicated to the memory of Sidney Darlington (1906–1997), is being held jointly with the 2nd WorldSES MCP and 2nd WorldSES MCME.

Information: <http://www.softlab.ntua.gr/~mastor/mcp2000.htm>, <http://www.softlab.ntua.gr/~mastor/mcme2000.htm>, <http://www.softlab.ntua.gr/~mastor/cscs.htm>.

Sponsors: WSES, IEEE, IMACS, IARD.

* 17–21 **VI Workshop on Real and Complex Singularities**, Departamento de Matematica-ICMC-USP, Sao Carlos, Sao Paulo, Brazil.

Scientific Committee: D. Mond (chair), S. Izumiya, C. Gutierrez, S. Kleiman, T. Gaffney, T. Fukuda, A. Varchenko.

Organizer: M. J. Saia.

Coorganizers: T. Marar, M. Manoel, A. M. Sitta.

Financial Support: CNPq, Fapesp, CAPES, Finep, CCInt, SBM.

Information: <http://www.icmc.sc.usp.br/~eventos/>.

August 2000

* 2–9 **Summer School on Quantum Field Theory—From a Hamiltonian Point of View**, Sandbjerg Manor, Denmark.

Organizers: J. P. Solovej (Copenhagen) and S. Fournais (MaPhySto, Aarhus).

Lecturers: V. Bach, Univ. Mainz: Spectral analysis of nonrelativistic quantum electrodynamics; J. Dereziński, Univ. of Warsaw: Spectral analysis of simple models of quantum field theory; G.-M. Graf, ETH Zürich: Stability of (ultraviolet cutoff) non-relativistic QED; J. Hoppe, Max-Planck-Institut für Gravitationsphysik, Albert-Einstein-Institut, Potsdam: Membranes and matrix models; M. Loss, Georgia Tech: Self-energy of electrons in nonrelativistic QED; H. Spohn, TU München: Dynamics of classical charges and their radiation field.

Deadline: The deadline for applications is June 1, 2000.

Information: More information can be obtained from the course home page, located at <http://www.maphysto.dk/events/SummerMP2000/>.

* 4–10 **Stokes Millennium Summer School**, Skreen, Co. Sligo, Ireland.

Speakers: P. Clarkson (Univ. of Kent), P.G. Drazin (Univ. of Bristol), P. Lynch (Met Eireann), J. Miller (Trinity College Dublin), G.I. Shishkin (Ekaterinburg, Russia), B. Straughan (Univ. of Glasgow).

Topics: For the Year 2000 Summer School, held at his birthplace, we will be concentrating on a single aspect of Stokes's work, the Navier-Stokes Equations: Computational Methods and Applications. These will include physical theory, engineering applications, numerical and analytical methods, including techniques such as asymptotics,

singular perturbations, and similarity solutions. The format will be an instructional course followed by a workshop. Participants may register for either or both.

Information: Available by visiting Web site <http://www.dcu.ie/maths/stokes2.html>, by e-mailing alastair.wood@dcu.ie, by fax to +353 1 704 5786, or by telephone to +353 1 704 5293.

* 16–19 **12th Canadian Conference on Computational Geometry**, University of New Brunswick, Fredericton, New Brunswick, Canada.

Program: Computational geometry is a discipline concerned with algorithms, software, and mathematical foundations for the treatment of geometric data by computer. The Canadian Conference on Computational Geometry (CCCG) reflects this diversity of interest, with invited speakers and contributed papers on topics ranging from geometric applications in industry to the frontiers of pure mathematics.

Speakers: G. Kalai, Hebrew Univ. of Jerusalem (to be confirmed), The Paul Erdős Memorial Lecture on Discrete Geometry; N. Kato, Univ. of Kyoto, Applications of Computational Geometry in Architecture.

Information: <http://www.cs.unb.ca/conf/cccg/> or e-mail: cccg@unb.ca.

* 17–September 2 **Laboratory of Applied Mathematics, Thirtieth International Probability School**, Saint-Flour (Cantal), France.

Speakers: S. Albeverio (Univ. Böchum, Germany), Dirichlet forms and infinite dimensional processes: Theory and applications; W. Schachermayer (Univ. Wien, Austria), Mathematical finance; M. Talagrand (CNRS, France), Spin glasses.

Organizer: P. Bernard, Univ. Blaise Pascal, e-mail: bernard@ucfma.univ-bpclermont.fr. This is the Year 2000 Summer School of the European Mathematical Society.

Registration: D. Courageot, Laboratoire de Mathématiques Appliquées, Les Cézeaux–63177 Aubiere Cédex; tel: +33 (0)4 73 40 70 50; fax: +33 (0)4 73 40 70 64; e-mail: lma@ucfma.univ-bpclermont.fr; Web: <http://www.lma.univ-bpclermont.fr/stflour/>. Deadline for registration is April 15, 2000.

September 2000

* 3–6 **EMPG 2000 - 31st European Mathematical Psychology Group Meeting**, Graz, Austria.

Information: e-mail: empg2000@psyserver.kfunigraz.ac.at; D. Albert, Dept. of Psychology, Universitätsplatz 2/II, A-8010 Graz, Austria; tel: +(43) 316-380-5118 (-5104); fax: +(43) 316-380-9806; URL: <http://www.psyserver.kfunigraz.ac.at/empg2000/>.

* 5–8 **Brno Colloquium on Differential and Difference Equations**, Masaryk University in Brno, Czech Republic.

Topic: Qualitative theory of differential and difference equations and applications.

Format: The scientific program consists of survey lectures, lectures, short communications, posters, and extended abstracts. There will be enough time for individual discussions. Proceedings will be published. Approx. 70 participants will be accepted for this colloquium.

Survey Lectures: O. Dosly (Czech Rep.), I. Györi (Hungary), T. Kusano (Japan), I. Kiguradze (Georgia), M. Marini (Italy), S. Schwabik (Czech Rep.).

Call for Papers: Participants are invited to present communications, posters, or extended abstracts.

Deadlines: Registration: May 15, 2000; Abstracts: June 15, 2000.

Information: <http://www.math.muni.cz/cdde/> or e-mail: cdde@math.muni.cz.

* 13–15 **7th DIMACS Implementation Challenge: Semidefinite and Related Optimization Problems**, DIMACS Center, Rutgers University, Piscataway, New Jersey.

Short Description: In the past few years much has been learned about the kinds of problem classes that SDP can tackle, the best SDP algorithms for the various classes, and the various limits of the current approaches to solving SDP's. Similar to, and indeed an extension of, semidefinite programming, a great deal is known

about optimization with convex quadratic constraints as well as the limitation of current methods. This workshop attempts to distill and expand upon accumulated knowledge. We have collected a variety of interesting and challenging SDP instances, whose solution would expand our knowledge on the applicability of SDP.

Deadline for Submissions: March 30, 2000: Progress reports due for comment and feedback. This should mostly be helpful to newcomers to the area. August 15, 2000: Extended abstracts due for consideration for the workshop. All proposals and abstracts should be sent to the conference e-mail: challenge@dimacs.rutgers.edu.

Organizers: F. Alizadeh, Rutgers Univ.; D. Johnson, AT & T Labs - Research; G. Pataki, Columbia Univ.

Contacts: F. Alizadeh, Rutgers University, challenge@dimacs.rutgers.edu. Local arrangements: Jessica Herold, DIMACS Center, jessicah@dimacs.rutgers.edu, 732-445-5928.

Information: <http://www.dimacs.rutgers.edu/Workshops/index.html>.

*22-27 **Geometry, Analysis and Mathematical Physics**, San Feliu de Guixols, Spain.

Speakers: B. Altshuler, Princeton, USA; V. Bach, Mainz, Germany; N. Burq, Orsay, France; V. Buslaev, St. Petersburg, Russia; J. Dereziński, Warsaw, Poland; B. Eckhart, Marburg, Germany; M. Esteban, Paris, France; J. Ginibre, Orsay, France; B. Helffer, Orsay, France; V. Ivrii, Toronto, Canada; V. Jaksic, Ottawa, Canada; A. Knauf, Erlangen, Germany; A. Komech, Moscow, Russia; G. Lebeau, Palaiseau, France; C. A. Pillet, Toulon, France; I. M. Sigal, Toronto, Canada; U. Smilanski, Rehovot, Israel; J. P. Solovej, Copenhagen, Denmark; T. Tao, Los Angeles, USA; A. Vasey, Berkeley-Boston, USA; G. Velo, Bologna, Italy; G. Vodev, Nantes, France; S. Zelditch, Baltimore, USA; M. Zworski, Berkeley, USA.

Scope: The interaction between physics and mathematics has become ever more important in recent years. This meeting aims to bring together mathematicians and some physicists working in areas related to quantum physics and mathematical analysis. Lectures and discussions will focus on recent progress in non-linear scattering theory and evolution equations, solitons, quantum many body problems, resonances (scattering poles), field theory, quantum chaos, and also some related topics such as control theory, spectral theory on manifolds, semi-classical problems. The conference is open to researchers worldwide, whether from industry or academia. Participation will be limited to 100. The emphasis will be on discussion about new developments. The conference fee covers registration, full board, and lodging. Grants will be available for younger scientists, in particular those from less-favored regions in Europe.

Information: Deadline for applications: May 2000. For information & application forms, contact the head of the EURESCO Unit: Dr. J. Hendelkovic, European Science Foundation, 1 quai Lezay-Marnésia, 67080 Strasbourg Cedex, France; tel.+33 388 76 71 35; fax: +33 388 36 69 87; e-mail: euresco@esf.org. On-line information and application on Web site <http://www.esf.org/euresco/>.

*26-30 **XI Biannual Conference of ECMI - The European Consortium for Mathematics for Industry**, Villaggio Torre Normanna, Altavilla Milicia (Palermo), Italy.

Organizing Committee: A. M. Anile (Univ. of Catania and ECMI Council); V. Capasso (president of ECMI, 1999-2001), co-chairman; A. Donato (Univ. of Messina); A. Fasano (Univ. of Florence); A. Greco (Univ. of Palermo), chairman; R. M. Mattheij (past president of ECMI, 1999-2001).

Information: Please visit the Web site <http://www.itdf.pa.cnr.it/ecmi2k/> or <http://www.ecmi.dk/>. For additional information or to submit contributed talks or minisymposia, please contact the conference organizers at ecmi2k@pia.itdf.pa.cnr.it.

October 2000

*19 **Fargo Preconference Workshop on BVPs and Oscillation Theory for Differential Equations on Measure Chains**, North Dakota State University, Fargo, North Dakota.

Speakers: S. Hilger, Catholic Univ. of Eichstaett; M. Bohner, Missouri-Rolla; L. Erbe, Nebraska-Lincoln; J. Henderson, Auburn; A. Peterson, Nebraska-Lincoln.

Organizer: R. Mathsen.

Information: Check the Web page <http://hypatia.math.ndsu.NoDak.edu/faculty/mathsen/workshop.html> for deadline and other details.

November 2000

*10 **Information Outlook 2000 Conference**, Australian National University, Canberra, Australia.

Description: IO2000 is the annual conference of the Australian Computer Society (ACS) Canberra Branch.

Information: e-mail: mmorgan@acslink.net.au, or visit <http://www.acs.org.au/act/events/io2000/index.html>.

December 2000

*11-15 **ATMGT2000, Algebraic and Topological Methods in Graph Theory**, University of Auckland, Auckland, New Zealand.

Description: This is a conference devoted to all aspects of graph theory, with a particular emphasis on algebraic and topological methods. It follows the 25th Australasian Conference on Combinatorial Mathematics & Combinatorial Computing hosted by the University of Canterbury, Christchurch, New Zealand (December 4-8, <http://www.math.canterbury.ac.nz/acmcc.shtml>). Additionally, an international conference on Technology in Mathematics Education (TIME2000) will be taking place at the same location as ATMGT2000 during the same week (<http://www.math.auckland.ac.nz/Conferences/TIME2000/TIME2000.html>).

Speakers: Confirmed*: J. Hutchinson, St. Paul, Minnesota; D. Marusic, Ljubljana, Slovenia; T. Pisanski, Ljubljana, Slovenia; C. Praeger, Perth, Australia; J. Siran, Bratislava, Slovakia; T. Tucker, Hamilton, New York; M. Watkins, Syracuse, New York. * Two more to be confirmed.

Information: <http://www.scitec.auckland.ac.nz/atmgt2000/>; e-mail: atmgt2000@math.auckland.ac.nz.

February 2001

*3-7 **ANZIAM2001 (Australian and New Zealand Industrial and Applied Mathematics)**, Barossa Valley Resort, South Australia, Australia.

Organizers: E. Tuck, J. Denier, M. Teubner, E. Cousins, Y. Stokes, C. Coleman, P. Dabrowski (Adelaide), A. Gill, E. Hunt (DSTO), S. Lucas (UoSA), R. Huilgol (Flinders).

Information: <http://www.maths.adelaide.edu.au/anzi2001/> or contact anziamsa@maths.adelaide.edu.au.

March 2001

*8-10 **Seminar on Stochastic Processes 2001**, The University of Florida, Gainesville, Florida.

Information: For further information, please contact I. Hueter (hueter@math.ufl.edu) or visit the Web site <http://www.math.ufl.edu/~hueter/ssp2001.html>.