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# Mathematics Calendar

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

## November 2005

\* 1–3 **Conference on Mathematical Methods in Counterterrorism**, Benedict College, Columbia, South Carolina.

**Focus:** A special focus on Order Theory and Reflexive Theory. A precursor to the founding of the UWI Institute for Mathematical Methods in Counterterrorism.

**Description:** We hope to gather together a small and diverse group of scientists who have an interest in these subjects. We plan to include informative talks to provide background for the subject, papers indicating the current state of research, and discussions that will explore future research topics.

**Organizers:** Jonathan David Farley, Stanford University, email: [lattice@math.harvard.edu](mailto:lattice@math.harvard.edu); Stacey Franklin Jones, Benedict College, email: [jones@benedict.edu](mailto:jones@benedict.edu); Anthony A. Harkin, Harvard University, email: [harkin@deas.harvard.edu](mailto:harkin@deas.harvard.edu); Stefan E. Schmidt, Phoenix Mathematical Systems Modeling, Inc., email: [stefan@phoenixmath.com](mailto:stefan@phoenixmath.com).

\* 5 **HMC Mathematics Conference on Scientific Computing**, Harvey Mudd College, Claremont, California.

**Description:** The Department of Mathematics at Harvey Mudd College will host the 7th annual Harvey Mudd College Mathematics Conference (previously known as the Mt. Baldy Mathematics Conference) on Saturday, November 5, 2005.

**Topic:** The topic this year is scientific computing. Keynote speakers will discuss how developments in numerical analysis and techniques and how they have led to novel applications. Speakers will make the first portion of their talks accessible to a general mathematical audience.

**Information:** <http://www.math.hmc.edu/baldyconf>. There will also be a poster session on the day of the conference. If you

are interested in presenting a poster, please send an abstract to [dyong@hmc.edu](mailto:dyong@hmc.edu) by September 30, 2005. Travel support for graduate students and recent doctorate (or equivalent) recipients living outside of southern California is available, with the support of the National Science Foundation. If you would like to receive support to attend this conference, please send an e-mail to [dyong@hmc.edu](mailto:dyong@hmc.edu) by September 30, 2005, with the following information: name, amount requested, research interests, years since receiving doctorate, reasons for requesting support, other sources of support, and if you anticipate presenting a poster at the conference. Priority for support will be given to advanced graduate students, recent doctorate recipients, women, and underrepresented minorities.

**Speakers:** Adrian Lew (Stanford), Randy LeVeque (University of Washington), Linda Petzold (UC Santa Barbara), Jane Wang (Cornell).

**Organizers:** Darryl Yong ([dyong@hmc.edu](mailto:dyong@hmc.edu)).

\* 10–13 **Conference on Martingale, Potential Theory and Stochastic Analysis**, Department of Mathematics, University of Florida, Gainesville, Florida.

**Description:** Part of the special year in Probability and Analysis.

**Conference Organizers:** Joe Glover, Murali Rao and Liqing Yan.

**Information:** <http://www.math.ufl.edu/~sam/payr/>.

\* 17 **Workshop on Complex Time-Delay Systems**, Paris, France.

**Description:** The workshop aims to bring together experts on time-delay systems with a view towards combining mathematical ideas from the theory of delay equations with the issues arising in the general framework of complexity and complex systems. Both by formal presentations and informal discussions, we wish to address the role of hereditary dynamics in complexity.

**Organizer:** Fatihcan Atay (Max-Planck-Institute for Mathematics in

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**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](mailto:notices@ams.org) or [mathcal@ams.org](mailto: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/>.

the Sciences).

**Invited speakers:** Thomas Erneux (Brussels), Michael Mackey (McGill), Juergen Jost (MPI Leipzig), Tibor Kristzin\* (Szeged), Andre Longtin\* (Ottawa), Sjoerd Verduyn Lunel (Leiden), Michael Rosenblum (Potsdam), Gabor Stepan (Budapest), Hans-Otto Walther (Giessen) \* to be confirmed.

**Information:** <http://personal-homepages.mis.mpg.de/fatay/ctds.html>.

\* 29–December 3 **Renormalization in Dynamical Systems Workshop**, Fields Institute, Toronto, Canada.

**Organizing Committee:** Hans Koch (Texas), Misha Lyubich (Toronto), Michael Yampolsky (Toronto).

**Information:** <http://www.fields.utoronto.ca/programs/scientific/05-06/holodynamics/>.

## December 2005

\* 12–16 **Recent developments in real and harmonic analysis meeting in honor of Carlos Segovia**, Instituto Argentino de Matemática, Buenos Aires, Argentina.

**Description:** To honor Carlos Segovia for his mathematical contributions and services to the development of mathematics in Argentina. It will put together experts in harmonic analysis and pdes and will feature four minicourses and several conferences by invited speakers. The meeting is partially supported by CONICET (Consejo Nacional de Investigaciones Científicas y Técnicas) and SeCyT (Secretaría de Ciencia y Técnica), Argentina.

**Minicourses:** Luis Caffarelli, University of Texas; Cristian Gutiérrez, Temple University; Eugenio Hernández, Universidad Autónoma de Madrid; Carlos Kenig, University of Chicago.

**Invited Speakers:** Hugo Aimar, Universidad Nacional del Litoral; Aline Bonami, Université d'Orleans; Carlos Cabrelli, Universidad de Buenos Aires; Sagun Chanillo, Rutgers University; Fernando Cobos, Universidad Complutense de Madrid; Misha Cotlar, IAM; Liliana Forzani, Universidad Nacional del Litoral; Enrique Lami Dozo, Universidad de Buenos Aires; Francisco Martín Reyes, Universidad de Málaga; Amelia Muschietti, Universidad Nacional de La Plata; Sheldy Ombrosi, Universidad Nacional del Sur; Fernando Soria, Universidad Autónoma de Madrid; José Luis Torrea, Universidad Autónoma de Madrid; Marta Urciuolo, Universidad Nacional de Córdoba; Richard Wheeden, Rutgers University; Felipe Zó, Universidad Nacional de San Luis.

**Advisory committee:** Luis Caffarelli, Cristian Gutiérrez, Carlos Kenig, Roberto Macías, José Luis Torrea, Richard Wheeden.

**Information:** <http://www.math.temple.edu/~segovia/>.

\* 15–January 31 **Semidefinite Programming and its Applications**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

**Program:** Semidefinite programming (SDP) problems are linear optimization problems over the cone of positive semidefinite symmetric matrices. They have a particular structure that makes their solution computationally tractable by interior-point methods.

**Organizing Committee:** Michael Todd (Cornell University), Chair; Jie Sun (National University of Singapore) and Kim-Chuan Toh (National University of Singapore), Co-Chairs.

**Registration:** Forms are available at <http://www.ims.nus.edu.sg/Programs/semidefinite/index.htm>. Completed forms should be received by the Institute at least one month before commencement of each activity. Registration is free of charge.

**Information:** email: [ims@nus.edu.sg](mailto:ims@nus.edu.sg). Enquiries on scientific aspects of the program, please email Kim-Chuan Toh at [mattohkc@nus.edu.sg](mailto:mattohkc@nus.edu.sg). More information about the program is available at the website <http://www.ims.nus.edu.sg/Programs/semidefinite/index.htm>.

## January 2006

\* 5–9 **Partially hyperbolic dynamics, laminations, and Teichmüller**

**flow Workshop**, Fields Institute, Toronto, Canada.

**Organizing Committee:** M. Lyubich, G. Forni, C. Pugh, M. Shub.

**Information:** <http://www.fields.utoronto.ca/programs/scientific/05-06/holodynamics/>.

\* 25–27 **DIMACS Workshop on The Epidemiology and Evolution of Influenza**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey.

**Short Description:** This workshop will explore the epidemiology and evolution of influenza.

**Organizers:** Catherine Macken, Los Alamos National Labs, [cam@t10.lanl.gov](mailto:cam@t10.lanl.gov); Alan Perelson, Los Alamos National Labs, [asp@lanl.gov](mailto:asp@lanl.gov).

**Local Arrangements:** Maria Mercado, DIMACS Center, [mercado@dimacs.rutgers.edu](mailto:mercado@dimacs.rutgers.edu), 732-445-5928.

**Information:** Visit <http://dimacs.rutgers.edu/Workshops/Influenza/>.

## February 2006

\* 6–9 **DIMACS Workshop on Computers in Scientific Discovery III**, Ghent University, Ghent, Belgium.

**Short Description:** Computers are used in increasingly diverse ways in Mathematics and the Physical and Life Sciences. This workshop aims to bring together researchers in Mathematics, Computer Science, Chemistry and Biology to explore the links between their disciplines and to encourage new collaborations.

**Organizers:** Gunnar Brinkmann, Ghent University, email: [Gunnar.Brinkmann@UGent.be](mailto:Gunnar.Brinkmann@UGent.be); Patrick W. Fowler, University of Sheffield, email: [P.W.Fowler@sheffield.ac.uk](mailto:P.W.Fowler@sheffield.ac.uk).

**Local Arrangements:** Maria Mercado, DIMACS Center, [mercado@dimacs.rutgers.edu](mailto:mercado@dimacs.rutgers.edu), 732-445-5928.

**Themes:** Applications for Chemistry. Applications for Bioinformatics. Applications for Conjecture Making. Applications for Mathematical Education.

**Information:** <http://dimacs.rutgers.edu/Workshops/Discovery>.

\* 15–17 **DIMACS Workshop on Data Mining, Systems Analysis, and Optimization in Neuroscience**, University of Florida, Gainesville, Florida.

**Description:** The human brain is among the most complex systems known to mankind. Neuroscientists seek to understand brain function through detailed analysis of neuronal excitability and synaptic transmission. Only in the last few years has it become feasible to capture simultaneous responses from large enough numbers of neurons to empirically test the theories of human brain function. Experimental neuroscience methods have resulted in massive amounts of data, but traditional data-processing and quantitative methods are not sophisticated enough to exploit this new flood of information. There is an increasing number of modern research efforts in data mining, systems analysis and optimization research to advance methods needed to process the large spatial and temporal data arising in quantitative neuroscience. The purpose of this conference is to explore these new methods.

**Organizers:** W. Art Chaovalitwongse, Rutgers University, email: [wchaoval@rci.rutgers.edu](mailto:wchaoval@rci.rutgers.edu); Leonidas D. Iasemidis, Arizona State University, email: [Leon.Iasemidis@asu.edu](mailto:Leon.Iasemidis@asu.edu); Panos Pardalos, University of Florida, email: [pardalos@ufl.edu](mailto:pardalos@ufl.edu).

**Information:** <http://dimacs.rutgers.edu/Workshops/Neuroscience>.

## March 2006

\* 7–11 **Holomorphic Dynamics Workshop**, Fields Institute, Toronto, Canada.

**Description:** In celebration of John Milnor's 75th birthday.

**Organizing Committee:** M. Lyubich, J. Smillie, M. Yampolsky.

**Information:** email: [abrand@fields.utoronto.ca](mailto:abrand@fields.utoronto.ca).

\* 21–24 **Workshop on Valuation Theory and its Applications - In Memoriam Otto Endler**, State University of Campinas (UNICAMP), Campinas, SP/Brazil.

**Workshop Topics:** Commutative and non-commutative valuations; real algebraic geometry; arithmetics of fields.

**Organizers:** Alexander Prestel and Antonio J. Engler.

**Some Confirmed Speakers:** P. Ribenboim, P. Roquette, R. Baeza, L. Broecker, M. Dickmann, M. Ferrero, M. Knebusch, F. Pop, J.-P. Tignol, M. Tressl, A. Wadsworth.

**Information:** Further information about the Workshop can be found at <http://www.ime.unicamp.br/~wvalapp>.

### May 2006

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\* 23–27 **Hyperbolic Geometry Workshop**, Fields Institute, Toronto, Canada.

**Organizing Committee:** Y. Minsky, B. Kleiner.

**Information:** <http://www.fields.utoronto.ca/programs/scientific/05-06/holodynamics/>.

### June 2006

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\* 7–10 **Symposium in Complex Analysis**, Kranjska Gora, Slovenia.  
**Scientific committee:** Franc Forstnerič, Josip Globevnik, László Lempert, Edgar Lee Stout.

**Sponsor:** Institute of Mathematics, Physics, and Mechanics, University of Ljubljana, Ljubljana, Slovenia.

**Speakers:** Marco Abate, Bo Berndtsson, Filippo Bracci, Judith Brinkschulte, Jean-Pierre Demailly, Klas Diederich, Sean Dineen, Julien Duval, Peter Ebenfelt, Sergey Ivashkovich, Burglind Joericke, Takeo Ohsawa, Sergey Pinchuk, Jean-Pierre Rosay, Nikolay Shcherbina, Nessim Sibony, Joerg Winkelmann.

**Support:** Limited funds for support of participants are available; applications for support should be received by January 31, 2006. Information concerning housing, support, and the scientific program are available at the website: <http://www.albatros-bled.com/sca2006/>; email: [complex.analysis@mf.uni-lj.si](mailto:complex.analysis@mf.uni-lj.si).

### July 2006

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\* 3–7 **Inverse Problems in Applied Sciences—toward break through**, University Conference Hall, Hokkaido University, Sapporo, Japan.

**Objectives:** During the last decades, by theoretical interests and practical requests, the activities of inverse problems have been flourishing everywhere over the globe. In particular in Asian countries, one is witnessing new remarkable trends of researches on inverse problems as well as participation of many young talents. Considering these situations, this conference intends to trigger research collaboration and promoting activities in the field of inverse problems.

**Organizing Committee:** Prof. Jin Cheng, Fudan University, China; Prof. Benny Y. C. Hon, City University of Hong Kong, Hong Kong; Prof. June-Yub Lee, Ewha University, Korea; Prof. Gen Nakamura, Hokkaido University, Japan; Prof. Masahiro Yamamoto, Tokyo University, Japan.

**Important dates:** Deadline for the abstract: December 25, 2005. Notification of acceptance: January 31, 2006. Deadline for the registration: June 16, 2006. Conference: July 3–7, 2006.

**Contact:** For further information, please contact the conference secretariat: email: [inv06@math.sci.hokudai.ac.jp](mailto:inv06@math.sci.hokudai.ac.jp).

**Information:** For the details of this conference, please see the Website: Visit <http://coe.math.sci.hokudai.ac.jp/sympo/inverse/>.

### August 2006

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\* 14–18 **Seventh International Conference on Monte Carlo and Quasi-Monte Carlo Methods in Scientific Computing (MCQMC 2006)**, Ulm, Germany.

**Description:** This conference will bring together experts in the fields of mathematics, computer science, statistics, operations research, physics, engineering, and finance to discuss the latest developments in Monte Carlo and quasi-Monte Carlo methods and their applications. The program will consist of invited plenary talks, several special thematic sessions, and contributed talks.

**Invited Speakers:** R. Cools (Belgium), A. Genz (USA), M. Jordan (USA), F. Kuo (Australia), T. Mueller-Gronbach (Germany), H. Niederreiter (Singapore), G. Pages (France), K. Sabelfeld (Germany).

**Contact:** Professor Alexander Keller, Abt. Medieninformatik, University of Ulm, D-89069 Ulm, Germany; email: [mcqmc@uni-ulm.de](mailto:mcqmc@uni-ulm.de).

**Information:** Regularly updated information can be obtained from the Web page <http://mcqmc.uni-ulm.de>.

\* 22–30 **International Congress of Mathematicians**, Madrid, Spain.

**Description:** The ICM, held every four years, is sponsored by the International Mathematical Union. The Fields Medals and the Nevanlinna Prize will be awarded at the Congress, in addition to a new prize, the Carl Friedrich Gauss Prize. A full scientific program of plenary and parallel sessions is planned, and there will be many satellite conferences.

**Organizers:** Manuel de León (president of the organizing committee) and Carlos Andradas (vice president general).

**Information:** <http://www.icm2006.org>.

### January 2007

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\* 8–June 29 **Analysis on Graphs and its Applications**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK.

**Organizers:** Professor B. M. Brown (Cardiff), Professor WD Evans (Cardiff), Professor P. Exner (Czech Academy of Sciences), Professor J. P. Keating (Bristol), Professor P. Kuchment (Texas) and Professor B. Pavlov (Auckland).

**Information:** <http://www.newton.cam.ac.uk/programmes/AGA/>.

\* 15–July 6 **Highly Oscillatory Problems: Computation, Theory and Application**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK.

**Organizers:** Professor B. Engquist (Austin), Professor E. Hairer (Geneva) and Professor A. Iserles (Cambridge).

**Information:** <http://www.newton.cam.ac.uk/programmes/HOP/>.

### July 2007

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\* 23–December 21 **Strong Fields, Integrability and Strings**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK.

**Organizers:** Dr S. Hands (Swansea), Dr N. MacKay (York) and Professor P. van Baal (Leiden).

**Information:** <http://www.newton.cam.ac.uk/programmes/SIS/>.

### September 2007

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\* 3–December 21 **Phylogenetics**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK.

**Organizers:** Professor D. Huson (Tubingen), Professor V. Moulton (East Anglia) and Professor M. Steel (Canterbury, NZ).

**Information:** <http://www.newton.cam.ac.uk/programmes/PLG/>.