
Mathematics Calendar

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

December 2004

5-16 **International Workshop on Nonlinear Partial Differential Equations**, IPM, Tehran, Iran. (Aug. 2003, p. 850)

* 6-8 **International Conference on Mathematical Inequalities and their Applications, I**, Victoria University, Melbourne, Australia.

Aim: To stimulate researchers from all fields of science to collaborate and present new results and applications in mathematical inequalities.

Information: <http://rgmia.vu.edu.au/conference/>.

* 6-8 **OSDI '04 - 6th Symposium on Operating Systems Design and Implementation**, Renaissance Parc 55 Hotel, San Francisco, California.

Description: OSDI brings together professionals from academic and industrial backgrounds in what has become a premier forum for discussing the design, implementation, and implications of systems software.

Information: <http://www.usenix.org/events/osdi04/>.

6-10 **III Joint Meeting Japan-Mexico in Topology and Its Applications**, Oaxaca, Mexico. (Jun/Jul. 2004, p. 690)

6-10 **Compact Moduli Spaces and Birational Geometry**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2004, p. 690)

9-11 **Discrete Mathematics and Its Applications**, Amrita Vishwa Vidyapeetham, Ettimadai, Coimbatore, TamilNadu, India. (Aug. 2004, p. 832)

13-15 **Pseudospectra and Structural Dynamics**, University of Bristol, Bristol, UK. (Oct. 2004, p. 1095)

13-17 **The 9th Asian Technology Conference in Mathematics (ATCM2004)**, National Institute of Education, Singapore. (Apr. 2004, p. 461)

13-17 **Recent Advances in Core Model Theory**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2004, p. 690)

13-18 **Joint Conference: The 2004 NZIMA Conference in Combinatorics and Its Applications and The 29th Australasian Conference in Combinatorial Mathematics and Combinatorial Computing (29th ACCMCC)**, Copthornes-Manuels, Lake Taupo, New Zealand. (Jun/Jul. 2004, p. 690)

14-16 **Sixth IMA International Conference on Mathematics in Signal Processing**, The Royal Agricultural College, Cirencester, UK. (Nov. 2004, p. 1263)

15-17 **Arithmetic, Geometry and Topology, Conference on the Occasion of Larry Breen's Sixtieth Birthday**, Institut Galilée, Université Paris 13, France. (Jun/Jul. 2004, p. 690)

16-19 **International Conference on History and Heritage of Mathematical Sciences**, Govt. Model Autonomous Holkar Science College, Indore, India. (Jun/Jul. 2004, p. 690)

17-19 **4th WSEAS International Conference on Signal Processing, Computational Geometry & Artificial Vision (ISCGAV'04)**, Puerto De La Cruz, Tenerife, Canary Islands, Spain. (Jun/Jul. 2004, p. 691)

17-19 **International Conference on Smarandache Algebraic Structures**, Indian Institute of Technology, IIT Madras, Chennai, Tamil Nadu, India. (Aug. 2003, p. 850)

17-22 **The Third International Congress of Chinese Mathematicians**, The Chinese Univ. of Hong Kong, Shatin, Hong Kong,

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 **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/>.

P. R. China. (Dec. 2003, p. 1443)

18–20 **Recent Advances in Mathematics & Its Applications (ISRAMA 2004)**, Kolkata (Calcutta), India. (Jun/Jul. 2004, p. 691)

20–23 **Sharp Thresholds for Mixing Times**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2004, p. 691)

29–31 **6th WSEAS International Conference on Mathematical Methods and Computational Techniques in Electrical Engineering (MMACTEE 2004)**, Vouliagmeni, Athens, Greece. (Jun/Jul. 2004, p. 691)

January 2005

5–8 **Joint Mathematics Meetings**, Hyatt Regency Atlanta & Atlanta Marriott Marquis, Atlanta, Georgia. (Sept. 2002, p. 1001)

6–9 **24th Nordic and 1st Franco-Nordic Congress of Mathematicians**, University of Iceland, Reykjavik, Iceland. (Nov. 2004, p. 1263)

7–8 **2004–05 ASL Winter Meeting (with Joint Mathematics Meetings)**, Atlanta, Georgia. (Jun/Jul. 2004, p. 691)

8–15 **Geometry: Interactions with Algebra and Analysis**, Napier, New Zealand. (May 2004, p. 576)

9–11 **2005 Hawaii International Conference on Statistics, Mathematics and Related Fields**, Sheraton, Waikiki Hotel, Honolulu, Hawaii. (Aug. 2004, p. 832)

10–14 **4th Symposium on Lévy Processes**, University of Manchester, Manchester, England. (Oct. 2004, p. 1095)

10–14 **Braid Groups, Clusters and Free Probability**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2004, p. 691)

10–14 **International Symposium on “Variational Methods and Nonlinear Differential Equations on the Occasion of the 60th Birthday of Antonio Ambrosetti”**, University of Rome 3, Rome, Italy. (Nov. 2004, p. 1264)

*10–14 **Multiscale Processes in Fusion Plasmas**, IPAM at UCLA, 460 Portola Plaza, Los Angeles, California.

Focus: Multiscale Processes in Fusion Plasmas is a five-day workshop focussing on five physical phenomena in fusion plasmas.

Information: <http://www.ipam.ucla.edu/programs/fus2005/>.

10–14 **Workshop on Topological Strings**, The Fields Institute, Toronto, Ontario, Canada. (Apr. 2004, p. 461)

12–14 **Second Joint IMS/ISBA International Conference**, Bormio, Italy (Italian Alps). (Aug. 2004, p. 833)

17–July 15 **Model Theory and Applications to Algebra and Analysis**, Isaac Newton Institute for Mathematical Sciences, Cambridge, England. (Apr. 2003, p. 500)

*24–28 **IPAM workshop: Probabilistic Models of Cognition–The Mathematics of Mind**, UCLA, Los Angeles, California.

Organizers: Alan Yuille, Josh Tenenbaum.

Information: <http://www.ipam.ucla.edu/programs/cog2005/>.

*24–29 **RTNS2005: Recent Trends in Nonlinear Science 2005 (winter school)**, Castellon, Spain.

Goal: The goal of these winter schools is to train participants to theory and applications in the field of nonlinear science. This will be done in an atmosphere of informal discussion and interchange of ideas. These courses have received official recognition in the doctorate programs of Universitat Autònoma de Barcelona and Universitat Politècnica de Catalunya.

Courses: (<http://www.rtns2005.uji.es/courses.html>).

Registration: (<http://www.rtns2005.uji.es/registration.html>). NOTE: The number of available places in the school is limited. Final admissions will be by the registration order.

Information: Second Winter School of the Spanish Network DANCE (<http://www.dance-net.org/>).

24–July 22 **Developments in Quantitative Finance**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK. (Aug. 2004, p. 833)

26–30 **Front Propagation and Nonlinear Stochastic PDEs for Combustion and Other Applications**, Centre de Recherches Mathématiques, Université de Montréal, Montréal, Québec, Canada. (Aug. 2004, p. 833)

27–29 **IMAC-XXIII Preconference Courses**, Rosen Plaza Hotel, Orlando, Florida. (May 2004, p. 576)

31–February 1 **DIMACS Workshop on Bounded Rationality**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey. (Oct. 2004, p. 1095)

*31–February 2 **IPAM Workshop: Mathematics of the Ear and Sound Signal Processing**, UCLA, Los Angeles, California.

Organizers: Jack Xin, Li Deng, Stanley Osher, Yingyong Qi, James Sneyd.

Information: <http://www.ipam.ucla.edu/programs/es2005/>.

31–February 3 **IMAC-XXIII: A Conference on Structural Dynamics**, Rosen Plaza Hotel, Orlando, Florida. (May 2004, p. 576)

February 2005

3–4 (NEW DATE) **DIMACS Workshop on Markets as Predictive Devices (Information Markets)**, DIMACS Center, Rutgers University, Piscataway, New Jersey. (Jun/Jul. 2004, p. 691)

7–9 **IMA Tutorial/Workshop: Where Mathematics Meets Industry**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 2004, p. 691)

14–18 **Geometry: Interactions with Algebra and Analysis**, University of Auckland, Auckland, New Zealand. (May 2004, p. 576)

15–17 **International Symposium on Stochastic Models in Reliability, Safety, Security and Logistics (SMRSSL'05)**, Negev Academic College of Engineering (NACE), Beer Sheva, Israel. (Apr. 2004, p. 461)

17–21 **CERM.4 (Fourth Congress of the European Society for Research in Mathematics Education)**, Sant Feliu de Guixols, Spain (Oct. 2004, p. 1095)

*21–26 **Mathematical Methods in Quantum Mechanics**, Casa Della Gioventù, Bressanone, Italy.

Aim: To present the state of the art in some challenging open problems in Quantum Mechanics from the point of view of Mathematical Physics. It is mainly addressed to young people interested in working on the subject.

Topics: Scattering for linear and nonlinear Schrödinger equation, many-body problems, derivation of macroscopic equations from quantum dynamics, Born-Oppenheimer approximation, classical behavior in quantum systems. Three short courses will be given in a series of lectures scheduled in the morning of each day. Some invited talks will be given in the afternoon followed by short contributed talks given by participants.

Courses: M. Pulvirenti (Roma, La Sapienza), Introduction to quantum kinetic theory; G. Velo (Bologna), Basic mathematical aspects of nonlinear Schrödinger equations; J. Yngvason (Wien), The Bose-Einstein condensation.

Invited Speakers: S. Albeverio (Bonn), L. Erdős (Munich), J. Fröhlich* (ETH, Zurich), A. Joye (Grenoble), S. Teufel (Warwick), K. Yajima (Tokyo) * to be confirmed.

Organizers: G. Dell'Antonio (Roma La Sapienza), R. Figari (Napoli), S. Graffi (Bologna), V. Grecchi (Bologna), A. Sacchetti (Modena), A. Teta (L'Aquila).

Information: <http://www.MMQM.unimore.it>; email: info.mmqm@unimo.it.

*22–26 **IPAM Workshop: Mathematical Issues and Challenges in Data Assimilation for Geophysical Systems–Interdisciplinary Perspectives**, UCLA, Los Angeles, California.

Organizers: Christopher Jones, Kayo Ide, Robert Miller, Douglas Nychka.

Information: <http://www.ipam.ucla.edu/programs/da2005/>.

* 23–25 **Graph Asymmetries**, Massey University, Palmerston North, New Zealand.

Topics: The topics to be discussed at the workshop comprise but are not limited to: Endomorphism monoids of classes of graphs such as paths, trees, or bipartite graphs; Graphs whose endomorphism monoids have prescribed properties; Semigroups whose Cayley graphs have prescribed properties; Graphs from other algebraic structures; Aut- and End-vertex transitive Cayley graphs of semigroups; Graph grammars and their relationship to graph morphisms; Asymmetric designs and graph families; Graph asymmetries in computer- or life science.

Deadlines: Abstract submission: January 7, 2005. Author notification: January 28, 2005. Final abstract deadline: February 11, 2005.

Information: Workshop Page: <http://wga.massey.ac.nz/wga05/>; Roland Kaschek, email: R.H.Kaschek@massey.ac.nz; Ulrich Knauer, email: Ulrich.Knauer@uni-oldenburg.de.

March 2005

1–2 **DIMACS Short Course: A Field Guide to GenBank and NCBI Molecular Biology Resources**, DIMACS Center, Rutgers University, Piscataway, New Jersey. (Jun/Jul. 2004, p. 692)

2–5 **Representing Unresolved Degrees of Freedom for the Atmosphere and Ocean**, Centre de Recherches Mathématiques, Université de Montréal, Montréal, Québec, Canada. (Aug. 2004, p. 833)

3–5 **International Conference on Environmental Fluid Mechanics (ICEFM'05)**, Indian Institute of Technology Guwahati, Guwahati, India. (Sept. 2004, p. 971)

6–12 **International Conference on Algebras, in Memory of Kostia Beidar**, National Cheng Kung University, Tainan, Taiwan. (Nov. 2004, p. 1264)

7–9 **DIMACS Working Group on Order Theoretic Aspects of Epidemiology**, DIMACS Center, Rutgers University, Piscataway, New Jersey. (Jun/Jul. 2004, p. 692)

7–11 **Third International Conference on Pattern Avoiding Permutations**, University of Florida, Gainesville, Florida. (Jun/Jul. 2004, p. 692)

* 7–June 10 **IPAM Long Program: Grand Challenge Problems in Computational Astrophysics**, UCLA, Los Angeles, California.

Description: This long-term program will involve a community of senior and junior researchers. The intent is for long-term participants to have an opportunity to learn about computational astrophysics from the perspectives of many different fields—mathematics, science and astronomy. In addition to these activities, there will be opening tutorials, four workshops, and a culminating workshop at Lake Arrowhead. Full and partial support for long-term participants is available, and those interested are encouraged to fill out an online application at the website above. Support for individual workshops will also be available, and may be applied for through the online application for each workshop. Funding for participants is available at all academic levels, though recent PhD's, graduate students, and researchers in the early stages of their career are especially encouraged to apply.

Organizers: Willy Benz, Philip Colella, Richard Klein, James McWilliams, Joseph Monaghan, Mark Morris, Stanley Osher, Chi-Wang Shu, Harold Yorke.

Information: <http://www.ipam.ucla.edu/programs/pca2005/>.

* 8–11 **IPAM Program in Grand Challenge Problems in Computational Astrophysics—Tutorials**, UCLA, Los Angeles, California.

Program: These are tutorials to introduce mathematicians to the main issues and problems of current interest in astrophysics, and to introduce astrophysicists to the principal mathematical techniques relevant to doing computations in astrophysics.

Information: <http://www.ipam.ucla.edu/programs/pcatut/>.

14–18 **Deterministic and stochastic Navier-Stokes equations**, AIM Research Conference Center, Palo Alto, California. (Oct. 2004, p. 1095)

18–19 **AMS Southeastern Section Meeting**, Western Kentucky University, Bowling Green, Kentucky. (May 2004, p. 576)

19–20 **Twenty-Eighth Annual Texas Partial Differential Equations Conference**, University of Texas, Pan American, Edinburg, Texas. (Oct. 2004, p. 1095)

19–22 **2005 ASL Annual Meeting**, Stanford, California. (Jun/Jul. 2004, p. 692)

21–25 **Extensions of Hilbert's Tenth Problem**, AIM Research Conference Center, Palo Alto, California. (Sept. 2004, p. 970)

21–25 **Workshop on $N=1$ Compactifications**, The Fields Institute, Toronto, Ontario, Canada. (Mar. 2004, p. 361)

22–26 **Conference on Algebra and its Applications, Center of Ring Theory and Its Applications**, Department of Mathematics, Ohio University, Athens, Ohio. (Oct. 2004, p. 1095)

24–27 **Geometric Representation Theory**, University of Arizona, Tucson, Arizona. (Aug. 2004, p. 833)

27–31 **The 3rd International Conference on Sciences of Electronic, Technologies of Information and Telecommunications (SETIT 2005)**, SUSA, Tunisia. (Nov. 2004, p. 1264)

28–30 **IMA Tutorial/Workshop: New Paradigms in Computation**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 2004, p. 692)

28–April 1 **Generalized Kostka Polynomials**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2004, p. 692)

* 28–April 1 **Topology and geometry of the moduli space of curves**, AIM Research Conference Center, Palo Alto, California.

Organizers: Ravi Vakil and Ulrike Tillmann.

Workshop topics: This workshop, sponsored by AIM and the NSF, will be devoted to bringing the communities of topologists and algebraic geometers together. The aim is to have an active exchange of results, techniques and ideas on the cohomology of the moduli spaces of curves. Specific topics to be addressed include: Integral cohomology, stable and unstable. Tautological cohomology of the compactified moduli space. Applications to Gromov-Witten theory.

Deadline: December 15, 2004.

Information: <http://aimath.org/ARCC/workshops/modspacecurves.html>.

28–April 1 **Workshop on String Phenomenology**, The Perimeter Institute, Waterloo, Ontario, Canada. (Apr. 2004, p. 461)

29–April 1 **14th International Workshop on Matrices and Statistics**, Massey University, Albany Campus, Auckland, New Zealand. (Nov. 2004, p. 1264)

April 2005

1–July 8 **Special Semester on “Modern Methods of Time-Frequency Analysis”**, Erwin Schroedinger Institute (ESI) for Mathematical Physics, Vienna, Austria. (Apr. 2004, p. 461)

2–3 **AMS Eastern Section Meeting**, University of Delaware, Newark, Delaware. (May 2004, p. 576)

4–8 **Stiff Sources and Numerical Methods for Conservation Laws**, AIM Research Conference Center, Palo Alto, California. (Nov. 2004, p. 1264)

*4–9 **IPAM Workshop: Astrophysical Fluid Dynamics**, UCLA, Los Angeles, California.

Organizers: Richard Klein, Willy Benz, Philip Colella, James McWilliams, Joseph Monaghan, Michael Norman, Robert Rosner, Chi-Wang Shu, Jim Stone, Marco Velli.

Information: <http://www.ipam.ucla.edu/programs/pcaws1/>.

6–10 **Extracting Macroscopic Information from Molecular Dynamics**, Centre de Recherches Mathématiques, Université de Montréal, Montréal, Québec, Canada. (Aug. 2004, p. 833)

8–10 **AMS Central Section Meeting**, Texas Tech University, Lubbock, Texas. (May 2004, p. 576)

*9–10 **Third Annual Graduate Student Topology Conference**, Northwestern University, Evanston, Illinois.

Description: The purpose of this conference is to gather graduate students in topology and provide them the opportunity to give talks, communicate recent advances, exchange new ideas, and meet other students in their field. The schedule will consist of keynote talks by Mike Hopkins (MIT) and Paul Seidel (Univ. Chicago), and many student talks. Talks should be accessible to an audience of graduate students of varying levels and need not be about original research, but simply something the speaker enjoys and wishes to share. We hope to build upon the success of the first conference at Notre Dame University and the second conference at the University of Minnesota.

Keynote Speakers: Mike Hopkins (MIT) and Paul Seidel (Univ. Chicago).

Organizers: Paul Pearson and Valentina Joukhovitski.

Information: <http://www.math.northwestern.edu/~pearson/conference.html>; email: pearsonp@math.northwestern.edu or email: valka@math.northwestern.edu.

*10–15 **2005 USENIX Annual Technical Conference**, Marriott Anaheim, Anaheim, California.

Description: USENIX has always been the place to present groundbreaking research and cutting-edge practices in a wide variety of technologies and environments and 2005 is no exception.

Topics: An extensive Training Program; covering crucial topics and led by highly respected instructors; General Session Refereed Papers, discussing original work on topics in modern computing; FREENIX/Open Source Refereed Papers, showcasing the latest developments and interesting applications of open source software; Guru Is In Sessions, where you can ask noted experts your most burning technical questions and get practical solutions.

Information: <http://www.usenix.org/events/usenix05/>.

11–15 **IMA Workshop: Atomic Motion to Macroscopic Models: The Problem of Disparate Temporal and Spatial Scales in Matter**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 2004, p. 692)

14–15 **DIMACS Workshop on Intellectual Property Protection**, DIMACS Center, Rutgers University, Piscataway, New Jersey. (Jun/Jul. 2004, p. 692)

16–17 **AMS Western Section Meeting**, University of California, Santa Barbara, California. (May 2004, p. 576)

*18–22 **IPAM Workshop: N-body Problems in Astrophysics**, UCLA, Los Angeles, California.

Organizers: Ben Moore, Sverre Aarseth, Willy Benz, Geoff Bryden, Hugh Couchman, Piet Hut, Ben Leimkuhler, Joseph Monaghan, Matthias Steinmetz.

Information: <http://www.ipam.ucla.edu/programs/pcaws2/>.

18–July 13 **Time at Work**, Institut Henri Poincaré, Paris, France. (Aug. 2004, p. 833)

27–May 1 **Multiscale Modeling in Solids**, Centre de Recherches Mathématiques, Université de Montréal, Montréal, Québec, Canada. (Aug. 2004, p. 834)

28–30 **Barrett Lectures: New Developments in Nonlinear Partial Differential Equations**, University of Tennessee, Knoxville, Tennessee. (Sept. 2004, p. 972)

May 2005

2–6 **IMA Workshop: Experiments in Physical Biology, Part I**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 2004, p. 693)

*2–6 **IPAM Workshop: Relativistic Astrophysics**, UCLA, Los Angeles, California.

Organizers: Richard Matzner, Curt Cutler, Michael Holst, Richard Klein, Joseph Monaghan, Ewald Mueller, Tsvi Piran, Stuart Shapiro.

Information: <http://www.ipam.ucla.edu/programs/pcaws3/>.

2–6 **Workshop on Gravitational Aspects of String Theory**, The Fields Institute, Toronto, Ontario, Canada. (Apr. 2004, p. 461)

5–6 **DIMACS Workshop on Security of Web Services and E-Commerce**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey. (Oct. 2004, p. 1096)

6–9 **Statistical Inferences on Shape Manifolds**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2004, p. 693)

11–15 **Integrative Multiscale Modeling and Simulation in Materials Science, Fluids and Environmental Science**, Centre de Recherches Mathématiques, Université de Montréal, Montréal, Québec, Canada. (Aug. 2004, p. 834)

13–14 **Sixth Mississippi State–UAB Conference on Differential Equations & Computational Simulations**, Mississippi State University, Mississippi State, Mississippi. (Oct. 2004, p. 1096)

14–15 **Conference in Honor of Heydar Radjavi's 70th Birthday**, Hotel Golf, Bled, Slovenia. (Aug. 2004, p. 834)

15–18 **HPCS 2005: The New HPC Culture in Canada, The 19th Annual Symposium on High Performance Computing Systems & Applications**, University of Guelph, Guelph, Ontario, Canada.

15–18 **OSCAR'05: The 3rd Annual Symposium on Open Source Cluster Application Resources (OSCAR)**, University of Guelph, Guelph, Ontario, Canada. (Nov. 2004, p. 1264)

15–21 **43rd International Symposium on Functional Equations**, Batz-sur Mer, France. (Nov. 2004, p. 1265)

15–21 **ICMI Study 15: The Professional Education and Development of Teachers of Mathematics**, Águas de Lindóia, São Paulo, Brazil. (Jun/Jul. 2004, p. 693)

16–20 **IMA Workshop: Experiments in Physical Biology, Part II**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 2004, p. 693)

*16–20 **IPAM Workshop: Transport Phenomena in Computational Astrophysics**, UCLA, Los Angeles, California.

Organizers: Rolf-Peter Kudritzki, Adam Burrows, Jim Morel, Mark Morris, Chi-Wang Shu, William Watson, Harold Yorke

Information: For further information: <http://www.ipam.ucla.edu/programs/pcaws4/>.

16–20 **Stability Criteria for Multi-dimensional Waves and Patterns**, AIM Research Conference Center, Palo Alto, California. (Nov. 2004, p. 1265)

17–20 **Graph Theory with Altitude**, University of Colorado at Denver, Denver, Colorado. (Jun/Jul. 2004, p. 693)

19–21 **CTS Conference on Combinatorics and Its Applications in Honor of Frank K. Hwang's 65th Birthday**, National Chiao Tung University (NCTU), Hsin Chu, Taiwan. (Sept. 2004, p. 973)

22–25 **ICCS 2005: International Conference on Computational Science**, Atlanta, Georgia. (Oct. 2004, p. 1096)

23–25 **DIMACS Workshop on The Epidemiology and Evolution of Influenza**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey. (Oct. 2004, p. 1096)

* 29–June 3 **5th Conference on Stochastic Analysis, Random Fields and Applications and Minisymposium on Stochastic Methods in Financial Models V**, Centro Stefano Franscini, Ascona, Switzerland. **Confirmed invited speakers:** M. Benaïm (Neuchâtel), T. Komorowski (Lublin), S. Méléard (Paris X), D. Nualart (Barcelone), E. Perkins (Vancouver), B. Prum (Génopole Evry), M. Scheutzow (TU-Berlin), F. Viens (Purdue), N. Bouleau (ENPC Paris), R. Carmona (Princeton), P. Malliavin (Académie des Sciences Paris), W. Schmidt (HfB Frankfurt). **Organizers:** R. Dalang (EPF Lausanne), M. Dozzi (Nancy), F. Russo (Paris 13). **Information:** Contact: Mrs. E. Gindraux, Institut de Mathématiques, EPFL, CH-1015 Lausanne, Switzerland; email: erika.gindraux@epfl.ch.

June 2005

1–5 **Stochastic Modeling in Financial Mathematics** (joint with SAMS), Centre de Recherches Mathématiques, Université de Montréal, Montréal, Québec, Canada. (Aug. 2004, p. 834)

4–8 **International Conference on Scientific Computing (ICSC05)**, Nanjing, P. R. China. (Oct. 2004, p. 1096)

6–8 **DIMACS Workshop on Polyhedral Combinatorics of Random Utility**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey. (Oct. 2004, p. 1096)

6–8 **SEM Annual Conference & Exposition on Experimental and Applied Mechanics**, Marriott Portland Downtown, Portland, Oregon. (May 2004, p. 576)

* 6–10 **International Mediterranean Congress Of Mathematics Almeria 2005**, Almeria, Spain.

Main Speakers: Fabrizio Catanese (Univ. Bayreuth, Germany), Alfio Quarteroni (E. P. F. Lausanne, Switzerland), Efim Zelmanov (Univ. San Diego, San Francisco, U.S.A.).

Thematic Sessions: Algebras and its Representations, Geometry and Topology, Approximation, Special Functions and Numerical Analysis, Functional Analysis and its Applications, General Topology and its Applications, Probabilistic Spaces, Copulae and T-norms. Applications, Random Models and Design of Experiments, Financial Mathematics and Mathematical Economics, Mathematics Education.

Information: <http://www.ual.es/congresos/CIMMA2005>.

6–10 **Moduli Spaces of Properly Embedded Minimal Surfaces**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2004, p. 693)

7–10 **SIAM Conference on Mathematical and Computational Issues in the Geosciences**, Palais des Papes, The International Conference Center, Avignon, France. (Nov. 2004, p. 1265)

7–17 **Fields Institute Summer School on Operator Algebras**, University of Ottawa, Ottawa, Ontario, Canada. (Nov. 2004, p. 1265)

* 8–10 **Eleventh Conference on Integer Programming and Combinatorial Optimization (IPCO XI)**, Berlin, Germany.

Deadline: November 15, 2004.

Information: <http://www.math.tu-berlin.de/ipco05>.

8–11 **IMA Workshop: Effective Theories for Materials and Macromolecules**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 2004, p. 693)

12–24 **Foliations 2005**, Lodz, Poland. (Sept. 2004, p. 973)

13–18 **Computational Methods and Function Theory (CMFT 2005)**, Joensuu, Finland. (Feb. 2004, p. 279)

13–25 **CIMPA Summer School AGAHF 2005—Arithmetic and**

Geometry around Hypergeometric Functions, Galatasaray University, Ortakoy, Istanbul, Turkey. (Aug. 2004, p. 834)

16–19 **Second Joint International Meeting with the Deutsche Mathematiker-Vereinigung (DMV) and the Oesterreichische Mathematische Gesellschaft (OMG)**, Mainz, Germany. (May 2004, p. 576)

19–24 **33rd Canadian Operator Symposium (COSy), dedicated to George Elliott's 60th birthday**, University of Ottawa, Ottawa, Ontario, Canada. (Nov. 2004, p. 1265)

19–24 **First Announcement: Conference on Applied Mathematics and Scientific Computing 4: On the occasion of Professor Aganovic's 70th birthday**, Brijuni, Croatia. (Nov. 2004, p. 1265)

19–24 **Conference on Applied Mathematics and Scientific Computing 4: On the occasion of Professor Aganovic's 70th Birthday**, Brijuni, Croatia. (Nov. 2004, p. 1265)

* 20–22 **DIMACS Workshop on Detecting and Processing Regularities in High Throughput Biological Data**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey.

Description: The biological community is being inundated with a large amount of data and understanding this data is lagging behind the process of acquiring it. It is believed nature has left vital clues hidden in this data and there is a need for techniques and methodologies to work effectively in detecting these. Biological information processing exploits these regularities to gain understanding of the underlying model or phenomenon. The workshop aims to contribute significantly to the research effort by bringing together researchers from the many different groups engaged in biological projects having the study of regularities in the data as an underlying theme.

Organizer: Laxmi Parida, IBM; T. J. Watson Research, email: parida@us.ibm.com.

Local Arrangements: Maria Mercado, DIMACS Center, email: mercado@dimacs.rutgers.edu, 732-445-5928.

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

20–24 **Second Conference on Self-Similarity and Applications**, INSA Toulouse, Toulouse, France. (Aug. 2004, p. 834)

20–25 **Asymptotic and Probabilistic Methods in Geometric Group Theory**, Geneva, Switzerland. (Jun/Jul. 2004, p. 693)

* 20–25 **Title FPSAC'05: 17th Annual Conference on Formal Power Series and Algebraic Combinatorics**, Taormina, Sicily (Italy).

Topics: All aspects of combinatorics and their relations with other parts of mathematics, physics, computer science and biology.

Information: <http://www.unime.it/fpsac05>; email: fpsac05@unime.it.

* 20–26 **Sixth International Conference “Symmetry in Nonlinear Mathematical Physics”**, Institute of Mathematics, National Academy of Sciences of Ukraine, Kyiv (Kiev), Ukraine.

Topics: Symmetries of differential equations, Integrable and super-integrable systems, Symbolic computations in symmetry analysis, Dynamical systems, solitons, Supersymmetry and its generalizations, Quantum field theory, Lie groups and algebras, representation theory and special functions, q-algebras, quantum groups and non-commutative geometry, Gravitation, cosmology, quantum gravity, Condensed matter and statistical physics, Nonlinear phenomena and quantum chaos.

Deadline: May 20, 2005.

Information: Conference address: Anatoly Nikitin; Institute of Mathematics, National Academy of Sciences of Ukraine, 3 Tereshchenkivska Street, Kyiv 4, 01601 Ukraine; <http://www.imath.kiev.ua/~appmath/conf.html>; email: appmath@imath.kiev.ua; fax: +38 044 235 20 10; phone: +38 044 234 63 22 (office); +38 044 250 08 96 (home).

20–July 8 (REVISED) **Random matrices, random processes, and integrable systems (C.R.M. Short Program)**, Centre de recherches mathématiques, Université de Montréal, Montréal. (Nov. 2004, p. 1265)

20–August 15 **Computational Prospects of Infinity**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Jun/Jul. 2004, p. 693)

21–24 **MAM 5—Fifth International Conference on Matrix Analytic Methods in Stochastic Models**, Pisa, Italy. (Sept. 2004, p. 974)

*26–29 **12th International Linear Algebra Society Conference**, Regina Inn Hotel and Conference Centre, Regina, Canada.

Aim and Scope: The 2005 ILAS Conference in Regina will bring together an international group of researchers to present recent accounts of their work, to discuss advances in all aspects of linear algebra and its applications, to promote and foster new directions for research, and to provide a forum to ensure that linear algebra remains a prominent and respected discipline within mathematics. **Deadlines:** Abstract submission: May 1, 2005; Registration: May 25, 2005; Accommodation reservation: May 25, 2005.

Organizers: S. Fallat, D. Farenick, C-H. Guo, S. Kirkland. Scientific Organizers: R. Bhatia, R. Guralnick, D. Hershkowitz, S. Kirkland, V. Mehrmann, B-S. Tam, P. van den Driessche, H. Wolkowicz.

Information: <http://www.math.uregina.ca/~ilas2005/>; email: ilas2005@math.uregina.ca.

*26–29 **The Twentieth IEEE Symposium on Logic In Computer Science (LICS 2005): Call for Workshop Proposals**, Chicago, Illinois.

Topic proposals: Researchers and practitioners are invited to submit proposals for workshops on topics relating logic - broadly construed - to computer science or related fields. Typically, LICS workshops feature a number of invited speakers and a smaller number of contributed presentations. Proposals should include: A short scientific summary and justification of the proposed topic. This should include a discussion of the particular benefits of the topic to the LICS community. A discussion of the proposed format and agenda and the proposed duration, which may vary from half a day to two days, and preferred dates. Procedures for selecting participants and papers. Expected number of participants. Potential invited speakers. Plans for dissemination (for example, special issues of journals). Please note that it is expected that LICS workshop organizers should be present to run their workshops. It is also assumed that normally workshop organizers (though not necessarily participants) will register for the LICS conference.

Workshop Dates: June 25, 2005 and June 30–July 1, 2005.

Proposal deadline: November 15, 2004 and should be submitted electronically to: Philip Scott, Workshops Chair, LICS 2005; email: phil@site.uottawa.ca.

26–July 1 **ERLOGOL-2005: Intermediate Problems of Model Theory and Universal Algebra**, State Technical University/Mathematics Institute, Novosibirsk, Russia. (Jun/Jul. 2004, p. 694)

26–July 1 **30th Conference on Stochastic Processes and Their Applications**, University of California at Santa Barbara (UCSB), Santa Barbara, California. (Jun/Jul. 2004, p. 694)

*28–July 1 **DAYS on DIFFRACTION–2005**, St. Petersburg Branch of Steklov’s Math. Inst. and St. Petersburg Univ., St. Petersburg, Russia.

Workshop Topics: All topics related to mathematical aspects of wave propagation, scattering and diffraction.

Organizers: Prof. V. M. Babich (PDMI), Prof. V. S. Buldyrev (SPbU), Euler Int. Math. Inst.

Deadlines: Abstract submission by March 1, 2005.

Information: <http://math.nw.ru/DD/>.

July 2005

2–7 **SRTL-4: The Fourth International Research Forum on Statistical Reasoning, Thinking, and Literacy**, The University of

Auckland, Auckland, New Zealand. (Jun/Jul. 2004, p. 694)

2–9 **Mile High Conference on Quasigroups, Loops and Nonassociative Systems**, University of Denver, Denver, Colorado. (Nov. 2004, p. 1266)

3–9 **XXIVèmes Journées Arithmétiques**, Marseilles, France. (Sept. 2004, p. 975)

*4–8 **8th International Symposium on “Generalized Convexity and Monotonicity”**, Insubria University, Varese, Italy.

Topics: Generalized convexity of functions and sets, generalized monotonicity of maps, and their applications to mathematical programming, economics, management science, engineering, stochastics, variational inequalities, etc.

Program Committee: N. Hadjisavvas (Chair), A. Cambini, R. Cambini, A. Guerraggio, D.T. Luc, L. Martein, J.E. Martinez-Legaz, A. Rubinov, S. Schaible, X.Q. Yang.

Organizing Committee: A. Guerraggio (Chair), N. Hadjisavvas, E. Allevi, M. Bianchi, G. Crespi, G. Giorgi, A. Gnudi, D. La Torre, E. Miglierina, E. Molho, L. Pellegrini, R. Pini, M. Rocca, A. Setti.

Deadlines: Early registration: March 31, 2005. Late registration: May 31, 2005. Title and abstract of talks: May 31, 2005. Submission of manuscripts for publication in the Symposium Proceedings: September 30, 2005.

Information: <http://www.eco.uninsubria.it/gcm8>.

*4–8 **Conference on Universal Algebra and Lattice Theory**, University of Szeged, Szeged, Hungary.

Topics: The program of the conference will consist of 30 minute invited and 20 minute contributed talks within the scope of universal algebra and lattice theory. Presentations on algorithmic aspects such as decidability and complexity questions related to algebras and lattices are especially welcome.

Organizers: Laszlo Zadori, Gabor Czédli Bolyai Institute, University of Szeged.

Invited Speakers: Ralph Freese (University of Hawaii, Honolulu), George Grätzer (University of Manitoba, Winnipeg), Keith A. Kearnes (University of Colorado, Boulder), Emil W. Kiss (Eötvös Loránd University, Budapest), Benoit Larose (Concordia University, Montreal), Ralph N. McKenzie (Vanderbilt University, Nashville), Matthew A. Valeriote (McMaster University, Hamilton), Friedrich Wehrung (Université de Caen, Caen), Ross Willard (University of Waterloo, Waterloo).

Information: <http://www.math.u-szeged.hu/confer/algebra/>.

9–11 **Joint Meeting of the Chinese Society of Probability and Statistics (CSPS) and the Institute of Mathematical Statistics (IMS)**, Beijing, China. (Aug. 2004, p. 834)

10–14 **12th International Conference on Mathematical Modelling and Applications (ICTMA12)**, City University, London, England. (Jan. 2004, p. 64)

10–15 **20th British Combinatorial Conference**, University of Durham, United Kingdom. (Sept. 2004, p. 975)

10–15 **SampTA05 (Sampling Theory and applications)**, Ondokuz Mayıs University Samsun, Turkey. (Nov. 2004, p. 975)

10–16 **Stochastic Modelling of Complex Systems (SMOCS-05)**, Daydream Island resort (Whitsundays, Queensland, Australia). (Nov. 2004, p. 1266)

10–23 **Cornell Summer School in Probability**, Cornell University, Ithaca, New York. (Aug. 2004, p. 834)

*11–14 **Sixth SIAM Conference on Control and its Applications**, Hilton New Orleans Riverside Hotel, New Orleans, Louisiana.

Topics: This conference, which will be held jointly with the 2005 SIAM Annual Meeting, will showcase a wide range of topics in control and systems theory. The topics and applications include real-time optimization and data assimilation, cellular and biological regulation, control techniques for financial mathematics, cooperative control for unmanned autonomous vehicles, biomedical control,

risk sensitive control and filtering, control of smart systems, flow control and quantum control.

Information: <http://www.siam.org/meetings/ct05/>.

11–15 **Gravitational Lensing in the Kerr Spacetime Geometry**, AIM Research Conference Center, Palo Alto, California. (Nov. 2004, p. 1266)

11–16 **Strings 2005, Toronto**, University of Toronto, Toronto, Ontario, Canada. (Nov. 2004, p. 1266)

18–22 **Algorithms for Approximation V**, University College, Chester, UK. (Nov. 2004, p. 1266)

20–27 **The 5th International Algebraic Conference in Ukraine**, Odessa I. I. Mechnikov National University, Odessa, Ukraine. (Nov. 2004, p. 1266)

* 24–28 **25th European Meeting of Statisticians**, University of Oslo, Oslo, Norway.

Scientific Programme: The meeting will cover all areas of methodological, applied and computational statistics, probability theory and applied probability. There will be 8 special lecturers, 23 ordinary invited sessions and one invited discussion session.

Organizer: Arnaldo Frigessi, Chairman of the Local Organising Committee; email: arnaldo.frigessi@medisin.uio.no. The meeting is organised jointly by the University of Oslo and the Norwegian Computing Center.

Scientific Programme Committee: Aad van der Vaart, chair (Amsterdam), Ornulf Borgan (Oslo), Ursula Gather (Dortmund), Sylvia Richardson (London), Gareth Roberts (Lancaster), Tomasz Rolski (Wroclaw), Jeffrey Steif (Göteborg).

Registration: Registration to the conference and booking of accommodation must be made via <http://www.ems2005.no>.

Conference Dates and Deadlines: Deadline for grant application is March 1, 2005. Deadline for submission of contributed papers and poster: March 31, 2005. Deadline for early registration: May 1, 2005. Deadline for conference registration: June 30, 2005.

Contact information: EMS 2005, P.O. Box 114 Blindern, N-0314 Oslo, Norway; email: ems2005@nr.no; fax: (+47) 22 69 76 60.

25–29 **IMA Workshop: Mixed Integer Programming**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 2004, p. 694)

28–August 3 **Logic Colloquium '05: ASL European Summer Meeting**, Athens, Greece. (Oct. 2004, p. 1097)

August 2005

1–December 23 **Pattern Formation in Large Domains**, Isaac Newton Institute for Mathematical Sciences, Cambridge, England. (Aug. 2004, p. 834)

* 3–5 **DIMACS Workshop on Yield Management and Dynamic Pricing**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey.

Organizers: James Dana, Northwestern University, email: j-dana@kellogg.northwestern.edu; Brenda Dietrich, IBM Watson Labs, email: dietric@watson.ibm.com.

Local Arrangements: Maria Mercado, DIMACS Center, email: mercado@dimacs.rutgers.edu, 732-445-5928.

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

* 7–12 **International Conference: Mathematics in Finance**, Kruger-National Park, South Africa.

Hosts: Hosted jointly by Potchefstroom University for CHE, The University of Pretoria and The University of the Witwatersrand.

Focus: Topics that would be covered include among others: Stochastic models, Modern methods of risk analysis, Quantitative and computational models and methods, Methods of financial mathematics; in particular the role of measure theory, functional analysis and modern stochastics in Finance.

Information: email: mfinance@cam.wits.ac.za.

8–13 **XX Nevanlinna Colloquium**, ETH Lausanne, Lausanne, Switzerland. (Nov. 2004, p. 1266)

8–December 23 **Global Problems in Mathematical Relativity**, Isaac Newton Institute for Mathematical Sciences, Cambridge, England. (Aug. 2004, p. 834)

October 2005

* 8–9 **AMS Eastern Section Meeting**, Bard College, Annandale-on-Hudson, New York.

Information: <http://www.ams.org/amsmtgs/sectional.html>.

* 15–16 **AMS Southeastern Section Meeting**, East Tennessee State University, Johnson City, Tennessee.

Information: <http://www.ams.org/amsmtgs/sectional.html>.

* 21–22 **AMS Central Section Meeting**, University of Nebraska, Lincoln, Nebraska.

Information: <http://www.ams.org/amsmtgs/sectional.html>.

November 2005

* 12–13 **AMS Western Section Meeting**, University of Nebraska, University of Oregon, Eugene, Oregon.

Information: <http://www.ams.org/amsmtgs/sectional.html>.

The following new announcements will not be repeated until the criteria in the next to the last paragraph at the bottom of the first page of this section are met.

December 2005

* 14–18 **First Joint International Meeting with the Taiwanese Mathematical Society**, Taiwan, Taiwan.

Information: <http://www.ams.org/amsmtgs/internmtgs.html>.

* 15–17 **International Conference on Computer & Information Science (ICIS'2005)**, Fort Panhala, Kolhapur, India.

Aim: To provide a platform for academics and professionals in computer science and information technology to meet, communicate, exchange ideas, and establish professional networks.

Sponsors: Technomathematics Research Foundation, India.

Important Dates: Full paper due: April 20, 2005. Proposals for tutorials and sessions due: February 20, 2005. Notification of acceptance: June 15th, 2005. Camera-ready paper with registration fee due: July 20, 2005.

Information: http://pune.sancharnet.in/kpr_tmrf/iccis05.html.

* 15–19 **Conference on Low-dimensional Topology**, University of Virginia, Charlottesville, Virginia.

Objective: To bring together researchers working on different aspects of low-dimensional topology, including Floer homology, the Ricci flow program, and more "classical" geometric topology, with the goal of looking for connections and unifying perspectives. A theme in several of these areas is that subtle relationships between a 4-manifold and its boundary constrain and illuminate both 3- and 4-dimensional topology. We propose this as a framework for comparing existing approaches and formulating key problems.

Organizers: Slava Krushkal (Univ. Va), Frank Quinn (Virginia Tech).

Information: <http://www.math.virginia.edu/topology/>.