Mathematics Calendar

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

August 2006

1–5 **Ninth Meeting of New Researchers in Statistics and Probability**, University of Washington, Seattle, Washington. (Mar. 2006, p. 379)
Description: The IMS Committee on New Researchers is organizing a meeting of recent Ph.D. recipients in Statistics and Probability. The purpose of the conference is to promote interaction among new researchers primarily by introducing them to each other's research in an informal setting. As part of the conference, participants will present talks and posters on their research and discuss interests and professional experiences over meals and social activities organized through the meeting as well as by the participants themselves. The relationships established in this informal collegiate setting among junior researchers are ones that may last a career (lifetime?!) The meeting is to be held prior to the 2006 Joint Statistical Meetings in Seattle, WA.
Information: http://www.stat.ohio-state.edu/~pfc/NRC/.

1–September 30 **Dynamical Chaos and Non-equilibrium Statistical Mechanics: From Rigorous Results to Applications in Nano-systems**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Jun/Jul. 2006, p. 709)
Organizing Committee: Leonid Bunimovich (Georgia Institute of Technology), Giulio Casati (University Insubria, Italy, and National University of Singapore), Lock Yue Chew (Nanyang Technological University), Baowen Li (National University of Singapore), George Zaslavsky (New York University).
Collaborative Research: During this period, local and overseas researchers will interact and collaborate in research on various topics of the field.
Workshop: The purpose is to bring together researchers worldwide to discuss the most recent developments in anomalous energy (heat) transport in low dimensional systems, synchronization of chaotic systems and applications to communication of information. It also serves as a forum to promote regional as well as international scientific exchange and collaboration.
Information and registration: http://www.ims.nus.edu.sg/Programs/chaos/; email: imssec@nus.edu.sg. For enquiries on scientific aspects of the program, please email Baowen Li at phylibw@nus.edu.sg.

2–4 **31st Sapporo Symposium on Partial Differential Equations**, Department of Mathematics, Hokkaido University, Sapporo, Japan. (Jan. 2006, p. 70)
Description: The Sapporo Symposium on Partial Differential Equations has been held annually to present the latest developments on PDE with a broad spectrum of interests not limited to the methods of a particular school.
Organizers: T. Ozawa, Y. Giga, S. Jimbo, G. Nakamura, Y. Tonegawa, K. Tsutaya; email: cri@math.sci.hokudai.ac.jp.
Information: http://coe.math.sci.hokudai.ac.jp/sympo/sapporo/program_en.html.

2–4 **DIMACS Workshop on Computational Tumor Modeling**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey. (Jun/Jul. 2006, p. 709)
Organizers: David Axelrod, Rutgers University, Axelrod@nelexchange.rutgers.edu; Thomas S. Deisboeck, Harvard Medical School, deisboec@helix.mgh.harvard.edu.
Local Arrangements: Workshop Coordinator, DIMACS Center, workshop@dimacs.rutgers.edu, 732-445-5928.
Information: http://dimacs.rutgers.edu/Workshops/

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/.

TumorModeling/.
Short Description: This workshop will present a variety of relevant computational tumor models and algorithms, covering several scales of interest by starting from the genetic instability and the functional genomics level up to tumor cell invasion and the angiogenesis level. Work on tumor cell signaling and information processing, multicellular pattern formation and scaling laws will be discussed as well. Finally, the workshop will also focus on several key challenges related to cancer modeling, such as biomedical data acquisition, access and quality, as well as the pros and cons of combining different (e.g., discrete and continuous) modeling approaches.

5–7 **7th International Pure Mathematics Conference 2006**, Islamabad, Pakistan. (Aug. 2006, p. 820)
Description: It is a thematic conference on Algebra, Geometry, Analysis held under the auspices of the Pakistan Mathematical Society. The entire conference is organized under one roof at a four-star hotel in the modern, peaceful and beautiful federal capital of Pakistan located at the footsteps of the scenic Margalla Hills. There will be free housing and lodging for foreign participants. Several recreational trips will be organized in and around Islamabad introducing the unique local and multi-ethnic culture.
Information and registration: Please fill in the on-line registration form at http://www.pmc.org.pk and find more information therein. The conference is convened by Qaiser Mushtaq in collaboration with Mathematics Division, Institute of Basic Research (Florida, USA), Higher Education Commission, Pakistan Telecommunication Ltd, and Quaid-i-Azam University, Islamabad.

5–11 **Workshop on Symplectic Field Theory**, Universitaet Leipzig, Germany. (Jun/Jul. 2006, p. 709)
Information: Workshop on Symplectic Field Theory Lecture Series by Y. Eliashberg with contributions by F. Bourgois et al.
Organizers: Y. Eliashberg, K. Cieliebak, M. Schwarz.
Preparatory Precourse: August 5–6; main workshop August 7–11.
Program: http://www.math.uni-leipzig.de/ws/ or http://math.stanford.edu/~lipshitz/SFT.html.

7–11 **Effective Randomness**, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 609)
Description: This workshop, sponsored by AIM and the NSF, will bring together researchers who have studied effective randomness at different times, with different motivations, and drawing from different academic backgrounds, with an aim toward increasing communication and collaboration, and developing broad shared research goals and a coherent research community.
Topics: For the workshop will include effective notions of randomness such as Martin-Löf randomness; measures of relative randomness; effective dimension; Kolmogorov complexity and other concepts from algorithmic information theory; and interactions with computability theory and complexity theory.
Organizers: Joseph Miller and Denis Hirschfeldt.
Deadline: May 7, 2006.
Information: http://aimath.org/ARCC/workshops/randomness.html.

7–11 **Partial Differential Equations on Noncompact and Singular Manifolds**, University of Potsdam, Potsdam, Germany. (Feb. 2006, p. 287)
Topics Include: Qualitative Theory of PDEs (Regularity, Asymptotics), Geometric Analysis on Singular Spaces, K-theoretic Methods, Operator Algebra Aspects, Boundary Value Problems, Noncommutative Geometry, Quantization.
Organizing Committee: B. Fedosov (Moscow), G. Grubb (Copenhagen), T. Krainer (Potsdam), V. Nistor (Penn State), L. Rodino (Torino), B.-W. Schulze (Potsdam), N. Tose (Tokyo), M. W. Wong (Toronto).
Information: PDEs on Noncompact and Singular Manifolds c/o T. Krainer and B.-W. Schulze, Institut für Mathematik, Universität Potsdam, Postfach 60 15 53, D-14415 Potsdam, Germany; email: pdensm@math.uni-potsdam.de; http://pdensm.math.uni-potsdam.de.

7–11 **Recent Developments in Arrangements and Configuration Spaces**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 820)
Organizers: Michael Falk (Northern Arizona University), Eva-Maria Feichtner (University of Stuttgart), Hiroaki Terao (Tokyo Metropolitan University).
Information: http://www.msri.org/calendar/workshops/WorkshopInfo/389/show_workshop/.

9–12 **The Third International Conference on Neural, Parallel & Scientific Computations**, Morehouse College, Atlanta, Georgia. (Mar. 2006, p. 379)
Topics: Computational methods on all aspects of Neural, Parallel, and Scientific Computing such as Computational Methods of Nonlinear Systems, Algorithm Designs, Hardware/Software Engineering, Computer Modeling, Networking Dynamics, Neurodynamics, Pattern Recognition, Performance Measurements, Computer Vision, Imaging, Cognition, Speech Modeling, Computational Mathematics, Biomedical Engineering, Artificial Intelligence, Systolic Algorithms, Evaluation and Prediction of Computer Complexes, Cluster Computing, VLSI Design, Computer Architectures, Simulation, ODL (Open Distance Learning) Systems, Systems Security, Combinatorics, Graph Theory, Fuzzy Systems, and Simulation.
Deadlines: Submission of article (on or before): March 31, 2006. Acceptance of article: April 30, 2006. Camera-Ready paper: May 15, 2006. Pre-Registration: (on or before April 30, 2006) US $225.00, (Students: US $125.00). Registration: (after May 1, 2006) US $250.00, (Students: US $150.00). Banquet: August 10, 2006. Motel Cut off Date: July 1, 2006.
Information: Contact M. Sambandham, ICNPSC3, Department of Mathematics, Morehouse College, Atlanta, Georgia 30314; email: icnpsc3@yahoo.com; http://www.dynamicpublishers.com/NPSC3.

10–22 **The 2006 Federated Logic Conference**, Seattle, Washington. (Aug. 2006, p. 820)
Program: The following conferences will participate in FLoC'06: Conference on Computer Aided Verification (August 17–20), International Conference on Logic Programming (August 17–20), International Conference on Automated Reasoning (August 17–20), IEEE Symposium on Logic in Computer Science (August 12–15), Conference on Rewriting Techniques and Applications (August 12–14), International Conference on Theory and Applications of Satisfiability Testing (August 12–15). The six major conferences will be accompanied by 41 workshops, held on August 10–11, 15–16, and 21–22.
Speakers: The FLoC'06 program includes a keynote session to commemorate the Goedel Centenary, with John Dawson and Dana Scott as speakers, a keynote talk by David Harel, plenary talks by Randy Bryant and David Dill, and invited talks by F. Bacchus, A. Blass, B. Buchberger, A. Darwiche, M. Das, J. Esparza, J. Giesl, A. Gordon, T. Hoare, O. Kupferman, M. Lam, D. Miller, K. Sakallah, J. Stoy, and C. Welty.
Funding: FLoC has received an NSF grant to provide funds for travel grants of up to $750 for student attendees of FLoC'06. We expect to award about 50 grants. See application information on the website.
Registration: Online registration for FLoC is now open at: http://www.easychair.org/FLoC-06/.

12–15 **Twenty-first Annual IEEE Symposium on Logic in Computer Science (LICS 2006)**, Seattle, Washington. (Mar. 2006, p. 380)
Description: The LICS Symposium is an annual international forum on theoretical and practical topics in computer science that relate to logic in a broad sense. LICS 2006 will be held as part of the Fourth Federated Logic Conference (FLoC'06).

Invited Speakers: A. Blass, A. Gordon, and O. Kupferman. There will also be a joint LICS/RTA/SAT plenary lecture given by R. Bryant.
Information:http://www.lfcs.informatics.ed.ac.uk/lics.For further information about FLoC'06, see http://www.informatik.hu-berlin.de/lics/.

13–19 **Workshop on Triangulated Categories**, University of Leeds, United Kingdom. (Mar. 2006, p. 380)
Aim: To bring together researchers from many parts of mathematics who all use triangulated categories and related structures. Hopefully, the event will promote interactions across traditional borders. Moreover, it should give postgraduate students and post docs the opportunity to learn about exciting modern developments.
Organizers: Thorsten Holm, Peter Jorgensen, Raphael Rouquier.
Preliminary list of speakers (to be confirmed): Paul Balmer (Zurich), John Greenlees (Sheffield), Srikanth Iyengar (Lincoln), Bernhard Keller (Paris), Henning Krause (Paderborn), Ralf Meyer (Muenster), Amnon Neeman (Canberra), Dmitri Orlov (Moscow), Jeremy Rickard (Bristol), Stefan Schwede (Bonn).
Information: http://www.maths.leeds.ac.uk/pure/algebra/TriCat06.html.

14–16 **Network Design: Optimization and Algorithmic Game Theory**, Centre de Recherches Mathématiques, Montreal, Canada. (May 2006, p. 609)
Description: As the network infrastructure keeps changing and new applications are emerging, the mathematical models themselves must be adapted constantly. The workshop will explore recent developments in the field and especially the relationship between combinatorial optimization and the models used in distributed network design.
Organizers: Shie Mannor (McGill) and Adrian Vetta (McGill).
Participants: Kamal Jain (Microsoft Research Center), Ramesh Johari (Stanford University), George Karakostas (McMaster University), Anna Karlin (University of Washington), Jochen Konnemann (University of Waterloo), Kate Larson (University of Waterloo), Yishay Mansour (Tel Aviv University), Peter Marbach (University of Toronto), Sean Meyn (University of Illinois), Tim Roughgarden (Stanford University), Andreas Schulz (ETH Zentrum), Nahum Shimkin (Technion), Eva Tardos (Cornell University).* (*) To be confirmed
Information: http://www.crm.umontreal.ca/Network06/.

14–18 **International Conference on Spectral Theory and Global Analysis**, Carl von Ossietzky University, Oldenburg, Germany. (Feb. 2006, p. 287)
Topics will include: Spectral asymptotics, Scattering theory, Index Theory and Hodge Theory, Spectral Invariants, Analysis on singular and non-compact spaces.
Organizing Committee: D. Grieser (Oldenburg), T. Krainer (Potsdam), A. Vasy (Stanford).
Information: Spectral Theory and Global Analysis, c/o Prof. Daniel Grieser, Institut für Mathematik, Universität Oldenburg, D-26111 Oldenburg, Germany; email: stga@mathematik.uni-oldenburg.de; http://www.mathematik.uni-oldenburg.de/personen/grieser/stga/.

14–18 **Seventh International Conference on Monte Carlo and Quasi-Monte Carlo Methods in Scientific Computing (MCQMC 2006)**, Ulm, Germany. (Nov. 2005, p. 1264)
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.
Information: Regularly updated information can be obtained from the Web page http://mcqmc.uni-ulm.de.

14–18 **The Teachers Circle**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 820)
Organizers: Tom Davis, Mary Fay-Zenk, Tatiana Shubin, Sam Vandervelde, Paul Zeitz, Joshua Zucker.
Information: http://www.msri.org/calendar/workshops/WorkshopInfo/397/show_workshop/.

*14–21 **Geometry and Analysis on Complex Algebraic Varieties: Joint RFBR-JSPS Symposium.**, Independent University of Moscow, Moscow Krasnoyarsk State University, Krasnoyarsk, Russian Federation.
Summary: The Joint Symposium, organizing in the framework of a RFBR-JSPS bilateral cooperation project, covers a broad range of topics within Geometry and Analysis on complex algebraic varieties including the following directions: logarithmic and multilogarithmic differential forms, logarithmic connections, frobenius structures and their applications in mathematical physics, theory of residues and characteristic classes for singular varieties, the theory of index of vector fields on complex hypersurfaces and complete intersections, topology of singular divisors and their complements, geometry and combinatorics of hyperplane arrangements, modern methods of the theory of multidimensional residues and their applications, etc.
Organizers: A. G. Aleksandrov, K. Saito.
Information: http://www.mccme.ru/symposium/.

15–18 **Communicating Mathematics in the Digital Era**, University of Aveiro, Aveiro, Portugal. (Jun/Jul. 2006, p. 709)
Main Topics: The main topics of CMDE2006 include, but are not restricted to: Data Mining, Clustering and Recovery; Digital Libraries and Archiving Networks; E-Mathematics Resources; Electronic Publishing; Free and Open Source Initiatives; Information Representation and Visualization; International Copyrights and Author's Rights; Math-networking and Electronic Communication; Mathematics E-Learning; Metadata Models and Standards; Multimedia Tools; Retrodigitisation; Web Searching.
Information: Can be found in the Webpage of the conference at http://www.cmde2006.org.

16–19 **First announcement: Satellite Conference on Algebraic Geometry**, Segovia, Spain. (Jan. 2006, p. 70)
Description: Satellite Conferences are relevant scientific activities organized around ICM Madrid 2006. This conference will deal with recent trends in Algebraic Geometry.
Plenary lectures: There will be two plenary lectures in the mornings.
Invited speakers: J. I. Burgos, G. M. Greuel, P. Griffiths, J. Lipman, Z. Mebkhout, T. Pantev, M. Reid, A. Sommese.
Information: http://www.escet.urjc.es/satellite/.

16–19 **Satellite conference on Algebraic Geometry**, Segovia Campus of the Universidad de Valladolid, Segovia, Spain. (Apr. 2006, p. 497)
Description: Satellite Conferences are relevant scientific activities organized around ICM Madrid 2006. This conference will deal with recent trends in Algebraic Geometry.
Main Speakers: J. I. Burgos, G. M. Greuel, P. Griffiths, J. Lipman, Z. Mebkhout, T. Pantev, M. Reid, A. Sommese
Sessions: Interactions with physics, Classical geometry and Singularities.
Speakers (with * to be confirmed): R. Donagi, C. Hertling, R. Kaufmann, A. Kuznetsov, Orlov*, M. Popa, B. Totaro, D. Van Straten*, J. Wahl*, J. A. Wisniewski.
Information: http://www.escet.urjc.es/satellite/.

16–19 **Trends and Challenges in the Calculus of Variations and its Applications**, Toledo, Spain. (Jan. 2006, p. 70)

Invited Speakers: G. Allaire (Paris), A. Braides (Rome), S. Conti (Leipzig), C. De Lellis (Zurich), D. Faraco (Madrid), I. Fonseca (Pittsburgh), B. Kirchheim (Oxford), J. Kristensen (Oxford), C. Larsen (WPI, USA), G. Leoni (Pittsburgh), J. J. Manfredi (Pittsburgh), S. Serfaty (New York).

Scientific Committee: L. Ambrosio (SNS, Pisa), J. Ball (Oxford), D. Kinderlehrer (Pittsburgh), R. Kohn (New York), S. Müller (MPI, Leipzig), E. Zuazua (UAM, Madrid).

Organizers: E. Aranda, J. C. Bellido (Co-ordinator), P. Pedregal (University of Castilla-La Mancha).

Call for Applications: Young researchers have the possibility to apply for giving a short talk. The Scientific Committee will make a selection among the received applications. The deadline for applying for a talk is March 15th, 2006.

Registration: Pre-registration is already open on-line. Registration will start by the beginning of February.

Information: http://matematicas.uclm.es/toledo2006; email: JoseCarlos.Bellido@uclm.es.

16–19 **VII Workshop on Symplectic and Contact Topology, Satellite Conference of the International Congress of Mathematicians (ICM2006)**, Universidad Carlos III (Campus at Getafe), Madrid, Spain. (Apr. 2006, p. 497)

Topics: Symplectic topology, Contact topology Gauge theories, Topology of low dimension manifolds, Mirror symmetry.

Scientific Committee: Simon Donaldson, Imperial College, London, UK; Yakov Eliashberg, Stanford University, USA; José M. Fernández de Labastida, CSIC, Madrid, Spain; Kenji Fukaya, Kyoto University, Japan; Robert E. Gompf, University of Texas at Austin, USA; Helmut Hofer, Courant Institute, New York University, USA; Dusa McDuff, Stony Brook University, USA; Gang Tian, Princeton University, USA.

Invited Speakers: Denis Auroux, MIT, Cambridge, USA; Paul Biran, Tel-Aviv University, Israel; Ko Honda, University of Southern California, USA; Robert Gompf, University of Texas at Austin, USA; Dusa McDuff, Stony Brook University, USA; Grigory Mikhalkin, University of Toronto, Canada; William P. Minnicozzi, The Johns Hopkins University, Maryland, USA; Tom Mrówka, MIT, Cambridge, USA; Peter S. Oszváth, Columbia University, New York, USA; D.H. Phong, Columbia University, New York, USA; Bernd Siebert, Albert-Ludwigs-Universität, Freiburg, Germany.

Deadlines: For grant applications is June 1, 2006. The deadline for registration, including reception of the workshop fee, is July 1, 2006. Abstracts submission: May 1, 2006 Applying for financial support: June 1, 2006. Registration (including reception of fee payment): July 1, 2006.

Information: For further information and queries, please contact the conference secretariat: email: gesta@vilma.upc.edu; http://www.ma1.upc.edu/gesta.

17–19 **The XIV Conference on Applied and Industrial Mathematics, Satellite Conference of ICM2006** (Jun/Jul. 2006, p. 710), Chisinau, Moldova.

Organizers: The Romanian Society of Applied and Industrial Mathematics (ROMAI), Mathematical Society of the Republic of Moldova, Moldova State University, Tiraspol State University, Institute of Mathematics and Computer Science of the Academy of Sciences of Moldova and the Center for Education and Research in Mathematics and Computer Science at Moldova State University (CRDF/MRDA).

Description: The Fourteenth Edition of the Conference on Applied and Industrial Mathematics (CAIM XIV) is dedicated to the 60th anniversary of the foundation of the Faculty of Mathematics and Computer Science of Moldova State University. Conference Sections: 1. Algebra, mathematical logic, topology; 2. Ordinary differential equations and finite dimensional dynamical systems; 3. Functional analysis and partial differential equations; 4. Analytical and numerical methods and applications. Industrial mathematics; 5. Theoretical and applied computer sciences; 6. Education.

Deadline for Abstacts: June 15, 2006.

Information: http://www.usm.md/math/CAIM/; email: mathconf@mail.md.

21–25 **Phase Transitions in Physics, Computer Science, Combinatorics and Probability Theory**, AIM Research Conference Center, Palo Alto, Califonia. (May 2006, p. 610)

Organizers: Persi Diaconis, Daniel Fisher, Cris Moore, and Charles Radin.

Workshop Topics: This workshop, sponsored by AIM and the NSF, will be devoted to the study of phase transitions in several traditionally separate subjects. We propose to bring together experts in different area to present the various intuitions, motivations, canonical examples and conceptual techniques of their areas, the hope being to come to agreement on a few key definitions, and perhaps thereby to bring fresh ideas to bear on open problems.

Application Deadline: May 14, 2006.

Information: http://aimath.org/ARCC/workshops/phasetransition.html.

22–30 **International Congress of Mathematicians**, Madrid, Spain. (Nov. 2005, p. 1264)

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.

28–September 4 **Large-Scale Random Graph Methods for Modeling Mesoscopic Behavior in Biological and Physical Systems**, Alfred Renyi Institute of Mathematics, Budapest, Hungary. (Jun/Jul. 2006, p. 710)

Workshop Goals: The aim of the workshop is to expose the participants to the newest methods available for the description and analysis of large-scale, complex structures using methods of combinatorics and graph theory, in combination with nonlinear, adaptive systems theory, and statistical physics.

Information: http://cnd.memphis.edu/~nsfworkshop06/.

30–September 1 **Recent Trends in Constructive Approximation Theory. Satellite Conference of ICM06**, Universidad Carlos III de Madrid, Legans, Spain. (May 2006, p. 610)

Topics: Riemann-Hilbert approach to asymptotics of orthogonal polynomials, inverse problems and rational approximation, spectral theory of banded and differential operators, numerical analysis and rational approximation, integrable non linear dynamical systems, eigenvalues of random matrices, non standard orthogonal polynomials.

Main Speakers: P. Deift (Courant Institute, New York University), B. Simon (California Institute of Technology), F. A. Grunbaum (University of California, Berkeley), S. Khruschev (Atilim University, Ankara, Turkey), M. E. H. Ismail (University of Central Florida), A. B. J. Kuijlaars (Katholieke Universiteit Leuven, Belgium).

Deadlines: Submission of abstracts is May 31, 2006; Registration is June 15, 2006.

Contact: Francisco Marcellan, Departamento de Matemáticas, Universidad Carlos III de Madrid, Avenida de la Universidad 30, 28911 Leganes, Spain; email: pacomarc@ing.uc3m.es.

Information: Visit the website http://www.uc3m.es/uc3m/dpto/MATEM/OrthApprox/ICM06/uc3m_ICM06.html.

31–September 1 **Connections for Women: Computational Applications of Algebraic Topology**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 820)

Organizer: Susan Holmes.

Information: http://www.msri.org/calendar/workshops/WorkshopInfo/377/show_workshop/.

31–September 2 **Geometry and Topology of Low Dimensional Manifolds**, Burgo de Osma, Spain. (Apr. 2006, p. 497)
Description: A satellite conference to ICM 2006, Madrid, Spain.
Plenary Speakers: Michel Boileau (Univ. Paul Sabatier, Toulouse); Cameron Gordon (Univ. of Texas, Austin); William Harvey (Kings College, Univ. of London); Gareth A. Jones (Univ. of Southampton); Louis H. Kauffman (Univ. of Illinois, Chicago); Alexander Mednykh (Sobolev Inst. of Math., Novosibirsk); Hugh Morton (Univ. of Liverpool); Sergei Natanzon (Independent Univ. of Moscow); Jozef Przytycki (The George Washington Univ., Washington DC); Jürgen Wolfart (Univ. of Frankfurt).
Information: http://www.mai.liu.se/LowDim.

31–September 5 **Advanced Course on Combinatorial and Computational Geometry: Trends and topics for the future**, Centre de Recerca Matemàtica, Barcelona, Spain. (May 2006, p. 610)
Speakers: János Pach (City College and Courant Institute, New York and Rényi Institute, Budapest, Hungary), Micha Sharir (Tel Aviv University, Israel).
Registration and Payment: Fee with dinner party: 190 ñ; Fee without dinner party: 150 ñ, Deadline: May 15, 2006.
Grants: The CRM offers a limited number of grants for registration fee and/or accommodation addressed to young researchers. The deadline for application is April 14, 2006.
Further Information: Visit http://www.crm.es/ACComGeometry; email: ACComGeometry@crm.es.

September 2006

1–4 **Conference on Mathematical Neuroscience**, Sant Julià de Lòira (Andorra), Madrid, Spain. (May 2006, p. 610)
Plenary Speakers: Bard Ermentrout (University of Pittsburgh), Nancy Kopell (Boston University), John Rinzel (New York University).
Invited Speakers: Ad Aersten, Janet Best, Alla Borisyuk, Amithaba Bose, Paul Bressloff, Eric Brown, Nicolas Brunel, Carson Chow, Stephen Coombes, Gustavo Deco, Jean-Pierre Franoise, Boris Gutkin, David Hansel, John Hertz, Kresimir Josic, Peter Latham, Tim Lewis, Georgi Medvedev, Farzan Nadim, Jonathan Rubin, Michael Rudolph, María Victoria Sánchez-Vives, Walter Senn, Brian Smith, Jeffrey C. Smith, Louis Tao, Mina Teicher, Misha Tsodyks and J. Leo van Hemmen.
Information: See http://www.crm.es/CMathNeuroscience; email: CMathNeuroscience@crm.es.

1–4 **Topics in Mathematical Analysis and Graph Theory**, University of Belgrade, Faculty of Electrical Engineering, Department of Applied Mathematics, Serbia and Montenegro. (Dec. 2005, p. 1383)
Description: This conference is a satellite to International Congress of Mathematicians, August 22–30, 2006.
Topics: Classical mathematical analysis, including inequalities and convexity, Graph theory and combinatorics, Special functions, Differential equations, Functional analysis, Numerical analysis, Complex analysis, Probability and Statistics, Mathematical aspects of computer science, Differential geometry and related topics, Number theory, Applications of mathematics in Electrical Engineering and Telecommunications.
Invited speakers: R. P. Agarwal (USA), L. M. Berkovich (Russia), Dragos Cvetkovic (Serbia), Curtis Cooper (USA), Soon-Yeong Chung (Korea), Sever Dragomir (Australia), A.M. Fink (USA), Aleksandar Ivic (Serbia), Hira Koul (USA), Gradimir Milovanovic (Serbia), Ingram Olkin (USA), B.G. Pachpatte (India), Themistocles Rassias (Greece), Peter Rowlinson (UK), Hari M. Srivastava (USA), Zsolt Tuza (Hungary).
Scientific Committee: L. M. Berkovich (Russia), Dragos Cvetkovic (Serbia), Sever Dragomir (Australia), A. M. Fink (USA), Aleksandar Ivic (Serbia), Hira Koul (USA), Gradimir Milovanovic (Serbia), Ingram Olkin (USA), Peter Rowlinson (UK), Hari M. Srivastava (USA), Zsolt Tuza (Hungary).
Local organizing committee: Milan Merkle (coordinator), Nenad Cakic, Dragos Cvetkovic, Cemal Dolicanin, Ivan Lackovic, Zoran Radosavljevic, Dejan Tosic, Dobrilo Tosic, Slobodan Simic, Gradimir Milovanovic, Stevan Pilipovic, Milan Taskovic.
Information: http://magt.etf.bg.ac.yu; email: pefmath@etf.bg.ac.yu.

1–4 **SCRA 2006-FIM XIII, Thirteenth International Conference of Forum for Interdisciplinary Mathematics**, New University of Lisbon–Tomar Polytechnic Institute, Lisbon, Portugal. (Apr. 2006, p. 497)
Theme: Interdisciplinary Mathematical and Statistical Techniques.
Speakers: C. R. Rao (Penn State), Barry Arnold (University of California, USA), Carlos Brauman (Evora, Portugal), Tadeusz Calinsky (Poznan, Poland), Angela Dean (Ohio State, USA), Malay Ghosh (Florida, USA), Ivete Gomez (Lisbon, Portugal), Benjamin Kedem (Maryland, USA), and John Stufken (Georgia, USA).
Information: Contact: Sat Gupta (sngupta@uncg.edu), Carlos Coelho (cmac@fct.unl.pt) or Satya Mishra (mishra@jaguar1.usouthal.edu); http://scra2006.southalabama.edu/.

1–5 **International Summer School and Workshop of Operator Algebras, Operator Theory and its Applications 2006**, Instituto Superior Técnico, Universidade Técnica de Lisboa, Lisbon, Portugal. (Apr. 2006, p. 497)
Information: http://woat2006.ist.utl.pt/.

3–8 **CR Geometry and PDE's**, Grand Hotel Bellavista, Levico Terme, Trento, Italy. (Aug. 2006, p. 821)
Topic: CR Geometry and Partial Differential Equations present a field of interaction with a wide range of mathematical areas such as Real and Complex Symplectic Geometry, Differential Geometry, Complex Dynamics, Jet Theory, Microlocal Analysis. The aim of the conference is to bring together both active senior researchers and young mathematicians with interest in CR Geometry and Partial Differential Equations and to foster exchange of ideas and interaction between these fields.
Scientific Organizers: Dmitri Zaitsev (Dublin) and Giuseppe Zampieri (Padova).
Confirmed Participants: M. Agranovsky (Ramat Gan), L. Baracco (Padova), F. Bracci (Roma II), A. Cap (Wien), P.D. Cordaro (Sao Paulo), M. Derridj (Rouen), P. Dolbeault (Paris), M. Eastwood (Adelaide), P.F. Ebenfelt (La Jolla), N. Eisen (Poitiers), C. Epstein (Philadelphia), G. Fels (Tuebingen), F. Forstneric (Ljubljana), S. Fu (Camden), L. Geatti (Roma II), J. Globevnik (Ljubljana), X. Gong (Madison), K. Hirachi (Tokyo), X. Huang (Piscataway), A. Isaev (Canberra), W. Kaup (Tuebingen), B. Lamel (Wien), C. Laurent-Thiebaut (Grenoble), H.-M. Maire (Geneve), N. Mir (Rouen), M. Nacinovich (Roma II), M. Peloso (Torino), A. Perotti (Trento), F. Ricci (SNS Pisa), G. Schmalz (Armidale), Y.-T. Siu (Harvard), L. Stolovitch (Toulouse), G. Tomassini (SNS Pisa), V. Vajaitu (Bucharest), S.S.-T. Yau (Chicago), L. Zalcman (Ramat Gan).
Deadline for registration: July 31, 2006.
Information: Augusto Micheletti, Secretary of CIRM, Istituto Trentino di Cultura, Via Sommarive 14, I-38050 Povo (Trento), Italy; Tel. +39-0461-881628; Fax +39-0461-810629; email: michelet@science.unitn.it; http://www.science.unitn.it/cirm/AnnCR2006.html.

4–6 **Optimal Discrete Structures and Algorithms (ODSA 2006)**, University of Rostock, Rostock, Germany. (Apr. 2006, p. 497)
Information: http://www.math.uni-rostock.de/odsa/.

4–8 **Barcelona Analysis Conference**, University of Barcelona, Barcelona, Spain. (Jan. 2006, p. 70)
Description: BAC06 has been recognized as a Satellite Conference of the International Congress of Mathematicians, Madrid 2006. The meeting will take place at the historical building of the University of Barcelona.
Main areas of interest: Harmonic Analysis, Geometric Measure Theory, Real and Functional Analysis, Complex Analysis, Signal Analysis, Aspects of the above related to PDE's.

Information: email: bac06@imub.ub.es; http://www.imub.ub.es/bac06/.

4–8 **Geometry Conference in Honor of Nigel Hitchin**, Consejo Superior de Investigaciones Cientificas, Madrid, Spain. (Jun/Jul. 2006, p. 710)
Description: This meeting is in honour of Professor Nigel Hitchin (University of Oxford) on the occasion of his 60th birthday. This is a satellite conference of the ICM 2006 to take place in Madrid in August 2006. The meeting is devoted to the many research topics covered by Nigel Hitchin.
Organizing Committee: L. Álvarez-Cónsul (CSIC, Madrid), O. García-Prada (CSIC, Madrid, Chairman), F. Kirwan (University of Oxford), H. Pedersen (University of Southern Denmark, Odense), Y.-S. Poon (University of California at Riverside), S. Salamon (Politecnico di Torino).
Deadline to Register: June 15, 2006.
Information: For a list of speakers and on-line registration, please visit the website http://www.mat.csic.es/webpages/conf/hitchin2006/.

4–8 **International Conference on Arithmetic Algebraic Geometry**, El Escorial, Madrid, Spain. (Jun/Jul. 2006, p. 710)
Topics: This Satellite Conference of ICM2006 is organized by the European Research Network "Arithmetic Algebraic Geometry", and the main topics will be those covered by the network: Arithmetic of varieties over local fields, Arithmetic of varieties over global fields, Automorphic forms and the Langlands Program.
Coordinator of the Organizing Committee: Adolfo Quiros (U. Autonoma de Madrid), email: aag2006@uam.es.
Invited Speakers: Laurent Berger (IHES), José Ignacio Burgos-Gil (U. Barcelona), Matthew Emerton (Northwestern U.), Michael Harris (U. Paris VII, tentative), Chandrasekhar Khare (U. Utah, tentative), Philippe Michel (U. Montpellier), Takeshi Saito (Tokyo U.), Emmanuel Ullmo (U. Paris XI), Yakov Varshavsky (Hebrew University of Jerusalem, tentative), Annette Werner (U. Stuttgart).
Information, Registration and Grants: http://www.uam.es/otros/aag2006/.

4–8 **International Seminar on Applied Geometry in Andalusia**, University of Granada, Granada, Spain. (May 2006, p. 610)
Organizers: A. Romero, M. Ortega, C. Ruiz, M. Gutiírrez, M. Angustias Cañadas-Pinedo, M. Fernández, A. Carriazo.
Invited Speakers: X. Gual (Univ. Jaume I), L. M. Cruz-Orive (Univ. Cantabria): "Steorology", J. M. M. Senovilla (UPV/EHU): "Geometry of submanifolds in Lorentzian geometry with applications", O. Garay, J. Arroyo (UPV/EHU), R. Lipowsky (Max Planck Institute): "Curvature energy minimizers. Applications to the physics of elastic and soft materials", R. Kamien (Univ. Pennsylvania): "Materials Geometry: An Introduction (Survey on Geometry and Physics; Geometry of Smectics)", Y. S. Cho (Ewha Women's University, Korea): "Group Actions on Gauge Theory", M. Ferri (Univ. Bologna): "Geometrical Methods in Application and Industry in Italy", L. Verstraelen (Katholieke Univ. Leuven, Belgium): "Understanding Vision through Geometry", A. Ferrández and J. Pastor (Univ. Murcia): "Geometry applied to DNA", J. Martínez Aroza (Univ. Granada): "Fractals" M. Cabrerizo (Univ. Granada): "Physics in Action", C. Ruiz (Univ. Granada): "Geometry in the Alhambra."
Information: http://gigda.ugr.es/isaga06/; email: isaga06@ugr.es.

4–8 **Satellite Conference on Differential Equations and Singularities, in honor of J. M. Aroca's 60th birthday**, Tordesillas(Valladolid, Spain). (Jun/Jul. 2005, p. 675)
Topics: Resolution of singularities, local study of singularities, singular foliations, differential algebra, asymptotic analysis, and differential and geometrical study of dynamical systems.
Scientific Committee: Felipe Cano (Univ. Valladolid), Frank Loray (Univ. Rennes I), Juan Jose Morales (Univ. Politecnica Catalunya), Paulo Sad (IMPA), Mark Spivakovsky (Univ. Paul Sabatier).
Organizers: Jorge Mozo Fernández, José Cano and Fernando Sanz (Univ. Valladolid).
Confirmed speakers: H. Hironaka, Lê-Dung-Tràng, J. M. Lion, I. Luengo, J. F. Mattei, R. Moussu, J. V. Pereira, J. P. Ramis, J. P. Rolin, J. Seade, M. Singer, B. Teissier, H. Umemura, H. Yoshida.
Information: http://www.uva.es/tordesillas2006; email: sedf2006@ieip.uva.es.

4–8 **Stochastic Analysis in Mathematical Physics**, CI Univ. Lisbon, Lisbon, Portugal. (Mar. 2006, p.380)
Description: To illustrate the versatility of modern stochastic analysis in various fields and applied mathematics, with a special emphasis on Mathematical Physics. Among the themes covered in this meeting are: Hydrodynamics and turbulence, Conformal invariance, Random environment, Applications of large deviations, Quantum field theory.
Scientific Committee: G. Ben Arous (Lausanne), A. B. Cruzeiro (Lisbon), Y. Le Jan (Paris), J. C. Zambrini (Lisbon).
Information: http://gfm.cii.fc.ul.pt/events-en/samp2006/.

4–9 **International Conference on Applied Analysis and Differential Equations**, University "Al.I.Cuza", Faculty of Mathematics, Iasi, Romania. (May 2006, p.610)
Purpose: Of the conference is to create a platform for international exchange of ideas and the newest results in the fields of applied analysis and differential equations.
Topics: Nonsmooth Analysis and Optimization, Ordinary Differential Equations, Partial Differential Equations, Control Theory, Stochastic Analysis.
Speakers: Please see website below.
Information: http://www.math.uaic.ro/~icaade; email: icaade@uaic.ro.

4–29 **The Painlevé Equations and Monodromy Problems**, Issac Newton Institute for Mathematical Sciences, Cambridge, England. (Jan. 2006, p. 70)
Organizers: Professor P. P. Boalch (ENS Paris), Professor P. A. Clarkson (Kent), Professor L. Mason (Oxford), Professor Y. Ohyama (Osaka).
Information: http://www.newton.cam.ac.uk/programmes/PEM/.

5–6 **Digitization of Mathematical Journals and Related Topics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 821)
Organizer: TOSE, Nobuyuki (Faculty of Economics, Keio Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

5–8 **Workshop on Computational Applications of Algebraic Topology**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 821)
Organizers: G. Carlsson, P. Diaconis, G. M. Ziegler.
Information: http://www.msri.org/calendar/workshops/WorkshopInfo/378/show_workshop/.

6–8 **Development of operator algebra**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 821)
Organizer: KAJIWARA, Tsuyoshi (Graduate School of Environmental Science, Okayama Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

7–9 **Modern Mathematical Methods in Science and Technology**, Hotel Agnanti, Island of Paros, Greece. (Jun/Jul. 2006, p. 710)
Information: http://applied.math.uoa.gr/m3st.html.

7–10 **Categorification in Algebra and Topology**, Uppsala University, Uppsala, Sweden. (Jun/Jul. 2006, p. 710)

Invited Speakers: Dror Bar-Natan; Anna Beliakova; Jonathan Brundan; Ian Grojnowski; Bernard Leclerc; Jacob Rasmussen; Raphaël Rouquier; Lev Rozansky (to be confirmed); Vladimir Turaev; Wolfgang Soergel; Catharina Stroppel.
Organizers: Volodymyr Mazorchuk and Oleg Viro.
Information: http://www.math.uu.se/cat2006/.
Inquiries: cat2006@math.uu.se.
Registration Deadline: July 31, 2006.

8–9 **Connections for Women: Geometric Analysis and Nonlinear Partial Differential Equations**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 821)
Organizers: Christine Guenther and Panagiota Daskalopoulos.
Information: http://www.msri.org/calendar/workshops/Workshopinfo/379/show_workshop/.

8–10 **The Fourth International Conference on Origami in Science, Mathematics, and Education (4OSME)**, California Institute of Technology, Pasadena, California. (Jun/Jul. 2006, p. 711)
Purpose: To gather those interested and showcase new results in mathematical methods, scientific applications, and educational uses of paper folding.
Deadline: For presentation abstracts: April 30, 2006.
Organizers: Robert J. Lang, Thomas C. Hull, Ryda D. Rose.
Speakers: Erik Demaine, MIT.
Information: http://www.langorigami.com/science/4osme/4osme.php4.

8–10 **International Conference on Modules and Comodules Dedicated to Robert Wisbauer on the Occasion of His 65th Birthday**, University of Porto, Portugal. (Jun/Jul. 2006, p. 711)
Conference: Dedicated to Robert Wisbauer at the occasion of his 65th birthday. It will bring together leading specialists in the theory of rings and modules, corings and comodules as well as in the theory of Quantum groups and its derivates.
Main Speakers: Helena Albuquerque (Coimbra), Tomasz Brzezinski (Swansea), José Gómez Torrecillas (Granada), Pedro Guil Asensio (Murcia), Claudia Menini (Ferrara), Alexandre V. Mikhalev (Moscow), Mike Prest (Manchester), Ivan Shestakov (Sáo Paulo), Patrick Smith (Glasgow).
Information: The deadline for submitting an abstract is the 31st of May 2006. The conference fee for non-students is 75 Euros and 50 Euros for students. Unfortunately we cannot offer any financial support. For more details, including the Conference Program please refer to http://www.fc.up.pt/mp/clomp/ModulesAndComodules/ or send an email to ModulesAndComodules@fc.up.pt.

8–12 **1st Dolomites Workshop on Constructive Approximation and Applications: Dedicated to Walter Gautschi for his 50 years of professional activity**, Alba di Canazei, Trento, Italy. (Apr. 2006, p. 497)
Topics: Approximation by Multivariate Polynomials (Interpolation, Orthogonal Polynomials,...), Approximation by Radial Basis Functions and other Meshfree Methods, Cubature Methods, Computational Tools, Applications to Scientific Computing, Applications to Numerical Modelling in Engineering and Finance.
Speakers: Bojanov B. (Sofia, BG), Bos L. (Calgary, CA), Bozzini M. (Milan, I), Brezinski C. (Lille, F), Buhmann M. (Giessen, D), Fasshauer G. (Chicago, IL, USA), Iske A. (Hamburg, D), Levesley J. (Leicester, UK), Montefusco L. (Bologna, I), Sauer T. (Giessen, D), Schaback R. (Goettingen, D), Sloan I. (Sydney, AU), Wendland H. (Dresden, D), Xu Y. (Eugene, OR)
Registration: Since the meeting is limited to at most 80 participants, people interested in participating in this workshop are invited to pre-register.
Information: http://www.sci.univr.it/~dwcaa06.

8–14 **International Conference on Complex Analysis and Potential Theory. Satellite Conference of ICM06**, Gebze Institute of Technology, Istanbul Area, Turkey. (Aug. 2006, p. 821)
Topics: General theory of univalent and multivalent functions; Extremal problems for conformal and quasiconformal mappings; Bloch functions, normal functions, normal families; Covering theorems in conformal mapping theory; Finely holomorphic functions and topological function theory; Quasiconformal methods and Teichmüller theory; Fuchsian and Kleinian groups as dynamical systems; Potentials and capacity, harmonic measure, extremal length; Pluripotential theory; Bergman spaces; Potential theory on Riemannian manifolds; Biharmonic and polyharmonic equations and functions; Discrete potential theory; Equations of mathematical physics and other areas of application; Holomorphic mappings and correspondences; Nonlinear potential theory; Related topics.
Organizing Committee: Tahir Aliyev Azeroglu (Gebze Institute of technology, chair), Promarz Tamrazov (Institute of Mathematics of the NAS of Ukraine), Alinur Buyukaksoy (Gebze Institute of Technology), Mithat Idemen (Yeditepe University, Turkey), Aydin Aytuna (Sabanci University, Turkey), Faik Mikailov (Gebze Institute of Technology).
Information: http://www.gyte.edu.tr/iccapt/.

9–12 **SIAM Conference on Nonlinear Waves and Coherent Structures**, University of Washington, Seattle, Washington. (Jan. 2006, p. 70)
Description: Nonlinear waves and coherent structures is a broad area of applied mathematics. Its theoretical aspects are relevant to subjects as diverse as general relativity, high-energy particle physics, fluid and solid mechanics, plasmas, nonlinear electrical circuits, Bose-Einstein condensation, nonlinear optics, random media, atmosphere and ocean dynamics, chemical reactions, and biology. One of the most successful and topical applications is the propagation of information in optical fibers, but remarkable agreement between theory and experiments can be claimed in many of the fields mentioned above.
Goals: The goals of this meeting are to provide an opportunity for the cross-fertilization among the different fields of applications and to increase the understanding and communication between the mathematicians who build the theory and the scientists who use it. The conference is designed to facilitate presentations of advances in nonlinear waves and coherent structures, ranging from basic mathematical research to various applications.
Organizers: The organizing committee will make every effort to attract a large pool of members from different backgrounds and at different stages in their careers.
Information: Additional information is available at http://www.siam.org/meetings/nw06/index.php.

11–15 **Arithmetic Algebraic Geometry**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 821)
Organizer: KATO, Kazuya (Dept. of Math., Kyoto Univ).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

11–15 **Complexity of Mappings in CR Geometry**, AIM Research Conference Center, Palo Alto, California. (Apr. 2006, p. 497)
Topics: Study mappings in CR geometry. Participants will focus on a quite specific part of this general subject, namely the relationship between the complexity of a CR mapping and the complexity of the CR structures on the domain and target manifolds.
Goals: To determine the fundamental notions of CR complexity and to prove sharp results about these notions; to organize CR complexity theory into a broad framework that will be useful in CR geometry and also apply to other parts of mathematics; to bring active senior researchers and young mathematicians together to work in a focused manner that will forge interactions and guide future research.
Organizers: Peter Ebenfelt and John P. D'Angelo.
Sponsors: AIM and the NSF.
Deadline: June 11, 2006.

Information: http://aimath.org/ARCC/workshops/complexitycrmap.html.

11–15 **Groups of Diffeomorphisms 2006**, University of Tokyo, Tokyo, Japan. (Jan. 2006, p. 70)
Topics: Groups of diffeomorphisms, Moduli and classifying spaces, Mapping class groups, Characteristic classes, K-theory.
Scientific Committee: T. Tsuboi (Univ. Tokyo), D. Kotschick (Univ. Munich), N. Kawazumi (Univ. Tokyo), Y. Mitsumatsu (Chuo Univ.), T. Kitano (Tokyo Inst. Tech.).
Organizing Committee: Y. Mitsumatsu, M. Fujii, Y. Kasahara, T. Kitano, T. Morifuji.
Speakers: Joan Birman, Kiyoshi Igusa, Nariya Kawazumi, Dieter Kotschick, Shigeyuki Morita, Robert Penner, Takashi Tsuboi, Karen Vogtmann.
Information:http://faculty.ms.u-tokyo.ac.jp/~gd2006/index.html.

11–15 **Introductory Workshop on Geometric Flows And Function Theory in Real and Complex Geometry**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 821)
Organizers: Bennett Chow, Peter Li and Gang Tian.
Information: http://www.msri.org/calendar/workshops/WorkshopInfo/380/show_workshop/.

11–15 **Stochastic Analysis and Applications**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 821)
Organizers: SHIGEKAWA, Ichiro (Dept. of Mathematics, Kyoto Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

11–16 **XV Fall Workshop on Geometry and Physics**, Puerto de la Cruz (Tenerife, Canary Islands), Spain. (May 2006, p. 610)
Main topics: Continuum Mechanics, Dynamical systems, Geometry Control Theory, Integrable systems, Lie algebroids (groupoids) and its applications, Poisson Geometry, Classical and Quantum Field theories, Riemannian and Lorentz Geometry and Relativity, Symplectic and Contact Geometry and Topology, String Theory, Supergravity and Supersymmetry.
Programme: Two mini-courses. Invited talks (45 minutes). Contributed talks (25 minutes). Poster Session.
Deadline: July 1, 2006.
Information:http://www.gt.matfun.ull.es/15iwgp2006/index.htm.

12–17 **International Conference on Differential Equations, Dedicated to the 100th Anniversary of Ya. B. Lopatynsky**, Ivan Franko National University of Lviv, Lviv, Ukraine. (Mar. 2006, p. 380)
Topics: General theory of differential equations, Algebraic methods in the theory of differential equations, Analytical theory of differential equations, Applications of the theory of differential equations.
Invited Speaksers: V. Barbu (Romania), H. Beresticki (France), M. Chipot (Switzerland), J. I. Diaz (Spain), H. Engl (Austria), A. Friedman (USA), A. M. Filimonov (Russia), Y. Giga (Japan), A. L. Gladkov (Belarus), M. L. Gorbachuk (Ukraine), S. D. Ivasyshen (Ukraine), N. V. Jitaraéu (Moldova), R. Kersner (Hungary), E. Ya. Khruslov (Ukraine), V. A. Kondratiev (Russia), A. I. Kozhanov (Russia), A. Lorenzi (Italy), F. Murat (France) À. D. Myshkis (Russia), A. Prilepko (Russia), V. Pukhnachov (Russia), A. Shishkov (Ukraine), L. Veron (France), H. Zoladek (Poland).
Information: email: ICL100@franko.lviv.ua;http://www.franko.lviv.ua/faculty/mechmat/Departments/Conf/index.htm.

13–15 **Combinatorics and its application to Information Sciences**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 821)
Organizers: FUJI-HARA, Ryoh (System Information and Engineering, Univ. of Tsukuba).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

14–17 **The Second International Symposium on Banach and Function Spaces: 2006**, Kyushu Institute of Technology, Kitakyushu, Japan. (Aug. 2006, p. 821)
Support: KIT and the Mathematical Society of Japan.
Subjects: The main subjects are Banach spaces and function spaces with related topics. Twelve invited lectures and an appropriate number of short communications of 20-30 minutes will be planned. We are also planning to organize a special lecture of 30 minutes devoted to the memory of the Japanese mathematician Professor Tosio Aoki at the beginning of the conference by Professor Lech Maligranda.
Organizing and Scientific Committee: Mikio Kato (Kyushu Institute of Technology, Chair), Lech Maligranda (LuleåUniversity of Technology-Sweden), Yoshiaki Okazaki (Kyushu Institute of Technology), Kichi-Suke Saito (Niigata University), Wataru Takahashi (Tokyo Institute of Technology), Yasuji Takahashi (Okayama Prefectural University).
Invited Speakers: Francesco Altomare (Bari, Italy), Joan Cerda (Barcelona, Spain), Kazimierz Geobel (Lublin, Poland), Anna Kaminska (Memphis, USA), Lech Maligranda (Luleå, Sweden), Toshihiko Nishishiraho (Okinawa, Japan), Lars Erik Persson (Luleåand Uppsala, Sweden), Gord Sinnamon (London, Canada), Yasuji Takahashi (Okayama, Japan), Wataru Takahashi (Tokyo, Japan), Yuwen Wang (Harbin, P. R. China), Witold Wnuk (Poznan, Poland).
Information: http://www.kyutech.ac.jp/english/index.html and http://isbfs.mns.kyutech.ac.jp/.

15–17 **Asymptotic Analysis in Stochastic Processes, Nonparametric Estimation, and Related Problems**, Wayne State University, Detroit, Michigan. (Jun/Jul. 2006, p. 711)
Description: This is one of the IMA Paricipating Institution Conferences. It is devoted to stochastic asymptotic analysis.
Main Speakers: Eugene B. Dynkin, Mark Friedlin, Georgii Golubev, Ildar A. Ibragimov, Rafail Z. Khasminskii, Nicolai Krylov, Harold J. Kushner, Oleg Lepsky, Robert Liptser, Stanislav Molchanov, Michael Nussbaum, George Papanicolaou, Boris Rozovskii, Anatoli Skorokhod.
Local Organizers: Pao-Liu Chow, Boris Mordukhovich, George Yin.
Conference Secretary: Barbara Malicke (email: barb@math.wayne.edu).
Information: http://www.math.wayne.edu/~conf/.

15–19 **International Conference of Numerical Analysis and Applied Mathematics 2006 (ICNAAM 2006)**, Hotel Belvedere Imperial, Hersonnisos, Crete, Greece. (Apr. 2006, p. 497)
Aim: To bring together leading scientists of the International Numerical & Applied Mathematics community and to attract original research papers of very high quality.
Topics: The topics to be covered include (but are not limited to): All the research areas of Numerical Analysis and Computational Mathematics and all the research areas of Applied Mathematics: (see http://www.icnaam.org/topics.htm).
Scientific committee: G. Vanden Berghe, Belgium; S.C. Brenner, USA; J. R. Cash, UK; R. Cools, Belgium; A. Cuyt, Belgium; B. Fischer, Germany; R. W. Freund, USA; I. Gladwell, USA; B. Hendrickson, USA; W. F. Mitchell, USA; G. Psihoyios, UK; T. E. Simos, Greece; W. Sproessig, Germany; Ch. Tsitouras, Greece; G. Alistair Watson, UK.
Invited Speakers: Peter R. Graves-Morris, University of Bradford, UK; Gene H. Golub, Fletcher Jones Professor of Computer Science, Stanford University, USA; Bernhard Beckermann, Universite des Sciences et Technologies de Lille, France; Gerard L. G. Sleijpen, Utrecht University, The Netherlands; Mourad E. H. Ismail, University of Central Florida, USA; Ronald Hoppe, University of Augsburg, Germany, University of Houston, USA; Guido Vanden Berghe,

Universiteit Gent, Belgium; Yang Chen, Imperial College London, UK and Center for Combinatorics, Nankai University, P. R. China; Vladislav V. Kravchenko, Instituto Politecnico Nacional, Mexico.
Information: Secretary ICNAAM; email: icnaam@uop.gr, 10 Konitsis Street, Amfithea-Paleon Faliron, GR-175 64, Athens, Greece; fax: +30210 94 20 091 or + 302710 237 397.

18–20 **The 10th Workshop on Elliptic Curve Cryptography (ECC 2006)**, Fields Institute, Toronto, Canada. (May 2006, p. 610)
Information: http://www.cacr.math.uwaterloo.ca/conferences/2006/ecc2006/announcement.html.

18–22 **Hybrid Methods and Branching Rules in Combinatorial Optimization**, Centre de Recherches Mathématiques, Montreal, Canada. (May 2006, p. 610)
Description: Problems of combinatorial optimization (such as SAT, the problem of recognizing satisfiable boolean formulas in the conjunctive normal form) have been the subject of intensive study by two communities of researchers: Those in mathematical programming (often classified under "operations research") and those in constraint satisfaction programming (often classified under "artificial intelligence"). Recent years have seen increasing interaction between these two initially separate communities. One of the aims of the workshop is to foster this confluence.
Second Theme: Branching rules are another theme of the workshop. These rules are an important component of branch-and-bound-based exact algorithms and their choice may have an overwhelming impact on the efficiency of such algorithms.
Organizer: Va'úek Chvátal (Concordia).
Information: email: paradis@crm.umontreal.ca.

18–22 **Model Theory of Metric Structures**, AIM Research Conference Center, Palo Alto, CA. (May 2006, p. 610)
Organizers: C. Ward Henson and Itay Ben-Yaacov.
Workshop topics: This workshop, sponsored by AIM and the NSF, will focus on the use of model theoretic ideas in analysis and metric geometry, bringing together model theorists and specialists from a few key application areas for a period of intense discussions. A diverse combination of backgrounds will allow the participants to explore from new angles certain examples, applications, and theoretical problems that define the frontier of research on the model theory of metric structures.
Application deadline: June 18, 2006.
For more information: http://aimath.org/ARCC/workshops/continuouslogic.html.

18–22 **Workshop on Application of Topology in Science and Engineering**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 822)
Organizers: G. Carlsson, P. Diaconis, and S. Holmes.
Information: http://www.msri.org/calendar/workshops/WorkshopInfo/381/show_workshop/.

19–23 **New Techniques in Hopf Algebras and Graded Ring Theory**, Vrije Universiteit Brussel, Brussels, Belgium. (Jun/Jul. 2006, p. 711)
Organizing Committee: S. Caenepeel (Brussels), F. Van Oystaeyen (Antwerp).
Invited Speakers: S. Montgomery (Los Angeles), H.-J. Schneider (Munich), Y. Bespalov (Kiev), G. Böhm (Budapest), T. Brzezinski (Swansea at Wales), A. Marcus (Cluj-Napoca), C. Nastasescu (Bucharest), J. Gómez Torrecillas (Granada), A. Stolin (Göteborg), L. Kadison (Göteborg), A. Van Daele (Louvain), V. Turaev (to be confirmed).
Information: Preregistration is possible by sending an email to scaenepe@vub.ac.be; please mention if you plan to present a lecture of 30 minutes. The second announcement, with registration form and information on hotel accomodation will be sent around June 15. More information will appear on http://homepages.vub.ac.be/~scaenepe.

22–29 **Conference on Geometry and Dynamics of Groups and Spaces In Memory of Alexander Reznikov**, Max-Planck-Institut für Mathematik, Bonn, Germany. (May 2006, p. 610)
Organizers: Mikhail Kapranov (Yale University, USA), Sergiy Kolyada (Institute of Mathematics, Ukraine), Yuri Manin (MPIM, Germany), Pieter Moree (MPIM, Germany), Leonid Potyagailo (Université de Lille, France).
Contact: email: gdgs06@mpim-bonn.mpg.de.
Topics: Alexander (Sasha) Reznikov (1960–2003) was a brilliant mathematician who died unfortunately very early. This conference in his remembrance focuses on topics Sasha made a contribution to. In particular: 1. Hyperbolic, Differential and Complex Geometry. 2. Geometric group theory. 3. Three dimensional topology. 4. Dynamical systems.

25–26 **Conference on Mathematics and its Applications**, The University of the West Indies, St. Augustine, Trinidad. (Apr. 2006, p. 498)
Organizing Committee: B. Bhatt (chairman), bbhatt@fsa.uwi.tt, D. Owen, dowen@carib-link.net, G. Shrivastava, shriv@eng.uwi.tt, C. Ward, cward@fsa.uwi.tt, R. Dow, rdow@eng.uwi.tt, L. M. Pinto Pereira, lexelyp@gmail.com.
Invited Speakers: T. J. Pedley (Cambridge, UK), J. C. R. Hunt (LIMS & UCL, UK), K. R. Sreenivasan (ICTP, Italy), L. Moseley (UWI, CaveHill).
Conference Themes: Medicine, Environment, Information Processing, Biology, Epidemiology, Petroleum Engineering, Hydrology, Meteorology & Seismic Phenomena, Physiological flows, General.
Important Deadlines: Due date for abstracts: March 31, 2006; Acceptance Notification: April 30, 2006; Full paper: July 31, 2006; Registration fees: July 31, 2006.
Information: Instructions and how to participate and more at: http://sta.uwi.edu/conferences/cmaia/; email: cmaia@fsa.uwi.tt.

25–27 **Information and mathematics of non-additivity and non-extensivity: from the viewpoint of functional analysis**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 821)
Organizers: MUROFUSHI, Toshiaki (Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

25–29 **50th Annual Meeting of the Australian Mathematical Society**, Macquarie University, Sydney, New South Wales, Australia. (Jun/Jul. 2006, p. 711)
Plenary Speakers: Pascal Auscher (Université de Paris-Sud), Robert Bartnik (Monash University), Michael Batanin (Macquarie University), Steven Evans (University of California, Berkeley), Peter Forrester (University of Melbourne), Andrew Hassell (Australian National University), Frank de Hoog (Commonwealth Scientific and Industrial Organization), Adrian Lewis (Cornell University), Ngaiming Mok (University of Hong Kong), Christopher Skinner (University of Michigan), Terence Tao (University of California, Los Angeles), Katrin Tent (Universität Bielefeld), Claire Voisin (Centre National de la Recherche Scientifique), Xu-Jia Wang (Australian National University).
Special Sessions: Algebraic Geometry, Category Theory, Combinatorics and Geometry, Differential Geometry, Functional Analysis, Future Impact of Applications on Mathematics, Geometry and Topology, Group Theory, Harmonic Analysis, Mathematical Physics, Number Theory, Partial Differential Equations, Probability and Statistics, Representation Theory, Variational Analysis and Optimization.
Information: For further details of the academic program, registration and accommodation, visit http://www.maths.mq.edu.au/austms06/.

25–29 **Joint research-trees on graphs**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006,

p. 822)
Organizers: ODA, Yoshiaki (Dept. of Mathematics, Keio Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

* 25–29 **D'Alembert, les Lumières, l'Europe**, Grand Hotel Bellavista, Levico Terme, Trento, Italy.
Topic: D'Alembert's scientific work, in the first place mathematics, and his activity of encyclopedist and polemist too has been a landmark for the European culture, starting from the middle of XVIII century, when he wrote his major writings. An international group of researchers is now preparing the collected edition of D'Alembert's works. The aim of the conference is to bring together both promoters of D'Alembert's edition And European researchers with interest in the Age of Enlightenment and to foster exchange of ideas about edition's criteria and to draw up a balance-sheet of D'Alembert's influence on European culture, first of all scientific.
Confirmed Participants: U. Baldini (Padova), M.T. Borgato (Ferrara), O. Bruneau (Nantes), J.-D. Candaux (Genève), P. Casini (Roma I), H. Chabot (Lyon), P. Crépel (Lyon), S. Demidov (Moscou), F. Ferlin (Saint-Etienne), G. Ferraro (Campobasso), O. Ferret (Lyon), Y. Fonteneau (Lyon), M. Galuzzi (Milano), C. Gilain (Paris 6), A. Guilbaud (Lyon), M. Jacob (Paris 7), G. Jouve (Lyon), F. Nagel (Basel), I. Passeron (Paris), L. Pepe (Ferrara), C. Phili (Athène), C. Preti, N. Rieucau (Paris 8).
Deadline for registration: July 31, 2006.
Information: Augusto Micheletti, Secretary of CIRM, Istituto Trentino di Cultura, Via Sommarive 14, I-38050 Povo (Trento), Italy; tel. +39-0461-881628; fax +39-0461-810629; email: michelet@science.unitn.it; http://www.science.unitn.it/cirm/AnnD'Alembert.html.

25–29 **The Kadison-Singer Problem**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2006, p. 711)
Organizers: Pete Casazza, Richard Kadison, and David Larson.
Topics: This workshop, sponsored by AIM and the NSF, will be devoted to the Kadison-Singer Problem and its relationship to various areas of research in mathematics and engineering. The hope is to resolve the problem, or more realistically, to share partial results and to map out paths that could lead to the solution.
Deadline: June 25, 2006.
Description: http://aimath.org/ARCC/workshops/kadisonsinger.html.

* 28–29 **Second NIU Workshop on Longitudinal Data Analysis**, Northern Illinois University, Dekalb, Illinois.
Description: The theme is "Recent Developments in Longitudinal Analysis with Emphasis on Missing Data". Leader and teacher is Dr. Edward F. Vonesh (Baxter Healthcare Corporation). The number of participants is limited to 40.
Sponsor: Division of Statistics, Northern Illinois University.
Information: http://www.niu.edu/CLASEP. Or contact Mohsen Pourahmadi, email: pourahm@math.niu.edu or 815-753-6829.

28–30 **Conference Mtisd2006**, Procida, Naples, Italy. (Aug. 2006, p. 822)
Information: http://www.mtisd06.unior.it/; email: squillan@unisannio.it.

29–30 **16th Annual Kansas City Regional Mathematics Technology EXPO**, Rockhurst University, Kansas City, Missouri. (May 2006, p. 611)
Forum: For mathematics instructors at both the college and secondary levels to demonstrate how they use technology successfully in their teaching, to learn about new mathematics technology, and to discuss the philosophy and future of technology in the mathematics classroom.
Invited Speakers: M. Kathleen Heid (Pennsylvania State University, University Park, PA), Doug Ensley (Shippensburg University, Shippensburg, PA).
Deadline: Submittion of proposals: April 14, 2006.
Information: Visit http://kcmathtechexpo.org; email: rgill@bluevalleyk12.org.

29–October 1 **Mathematical Finance 60th Birthday Conference in Honor of Dilip B. Madan**, University of Maryland at College Park, Maryland. (Jun/Jul. 2006, p. 712)
Information:http://www.norbertwiener.umd.edu/Madan/;email: madan-conference@math.umd.edu.

October 2006

* 2–4 **The Education Summit–The Future of American Competitiveness**, Vail, Colorado.
Description: Education Summit 2006 is an invitation-only conference bringing together 200 of the best and brightest leaders in Business, Education and Government to formulate a new direction for the education system.
The agenda is designed to facilitate a realistic appraisal of the current education system; a review of what current and near-future assets, innovations, research, policies and methodologies are available for reform; and the construction of a forward-thinking plan based on the best available quantitative and qualitative information our nationally-recognized panelists and participants can provide.
Goals: While the goals of the Summit are ambitious, there will also be ample time for fun, networking, and enjoyment of the beauty of Vail, Colorado, at the peak of Fall color.
Information: email: wrc@tcfir.org.

2–6 **Complex Dynamics and its Related Topics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 822)
Organizers: SHISHIKURA, Mitsuhiro (Dept. of Mathematics, Kyoto Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

2–6 **Quantum Cryptography and Computing Workshop**, Fields Institute, Toronto, Canada. (May 2006, p. 611)
Information: http://www.fields.utoronto.ca/programs/scientific/06-07/crypto/quantum/.

2–6 **Workshop on Topological Methods in Combinatorics, Computational Geometry, and the Study of Algorithms**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 822)
Organizers: G. Carlsson, P. Diaconis, R. Jardine, and G. M. Ziegler.
Information: http://www.msri.org/calendar/workshops/WorkshopInfo/382/show_workshop/.

4–6 **Second Announcement: International Conference on Multifield Problems**, Universität Stuttgart, Stuttgart, Germany. (Apr. 2006, p. 498)
Topics: Numerical analysis and efficient algorithms, Volume coupling in suspensions and porous media, Surface coupled problems, Material modeling and multiscale problems.
Plenary Speakers: F. Baaijens (Eindhoven); M. Celia (Princeton); J. Delfs (Braunschweig); P. Deuflhard (Berlin); R. Klein (Berlin); T. Laursen (Durham); M. Ortiz (Pasadena); A. Quarteroni (Lausanne/Milano).
Deadlines: Each participant is invited to give a contributed talk. Prospective speakers are asked to submit a one-page absract by April 15, 2006. Deadline for conference early registration is May 31, 2006.
Information: For up-to-date information on the conference and online-registration, please visit the web-site: http://www.icmp.uni-stuttgart.de.

7–10 **PDE Approaches to Image Processing**, Mathematical Institute, University of Cologne, Cologne, Germany. (May 2006, p. 611)
Workshop: sponsored by the ESF Programme "Global and Geometric Aspects of Nonlinear Partial Differential Equations".

Description: Recent progress in mathematical image processing shows a surprising success when one applies numerical methods to ill-posed partial differential equations. There is hardly any theory for these equations, it lags far behind their use by engineers, and the purpose of the workshop is to learn more about the underlying mathematical questions. We shall address for instance issues like anisotropic diffusion and Perona-Malik type equations.
Organizers: Bernd Kawohl (Cologne), Felix Otto (Bonn).
Information: http://www.mi.uni-koeln.de/~jhorak/workshop/.

*9–11 **DIMACS Workshop on Models of Co-Evolution of Hosts and Pathogens**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey.
Description: It has long been recognized that hosts and pathogens exert strong selective forces on each other. Thus significant coevolution between host and pathogens is to be expected, and with the short generation time of many pathogens, evolution may occur over observable time scales. This workshop will focus on evolutionary and coevolutionary processes at the population level while selection processes within the individual host will be discussed in other workshops. The mathematical methods for describing multiple interacting types of the pathogen or the interaction between disease and host genetics are in the process of being developed, but have not yet reached maturity. The workshop will bring together mathematical researchers and quantitatively oriented biologists and epidemiologists in the field to discuss the development of mathematical methods as well as to explore evolutionary and coevolutionary aspects of a number of host pathogen systems (malaria, influenza, insect- bacculovirus, RSV).
Information: Linda Casals, email: lindac@dimacs.rutgers.edu; tel: 732-445-4573.

9–13 **Short-term Cardiovascular-Respiratory Control Mechanisms**, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 611)
Organizers: Franz Kappel, Vera Novak, Mette Olufsen, and Hien Tran.
Workshop: This workshop, sponsored by AIM and the NSF, will be the first highly focused attempt to tackle complex problems in cardio-respiratory physiology by bringing together researchers with expertise in physiology, mathematics, and statistics. The overall objective of this workshop is to discuss methodologies to further develop mathematical models to improve understanding, diagnosis, and treatment of clinical problems related to short-term cardiovascular-respiratory regulation.
Application deadline: July 9, 2006.
Information: http://aimath.org/ARCC/workshops/cardiocontrol.html.

10–13 **Data Mining and Mathematical Programming**, Centre de Recherches Mathématiques, Montreal, Canada. (May 2006, p. 611)
Description: Data mining is a fast-growing discipline that uses techniques from several subfields of applied mathematics, including operations research and statistics. This workshop will feature applications of exact or heuristic algorithms for solving mathematical programs (linear or nonlinear, convex or nonconvex) to the fundamental problems in data mining, in particular clustering, discrimination and search for relations.
Organizers: Pierre Hansen (HÉC Montréal) and Panos Pardalos (Florida).
Information: email: paradis@crm.umontreal.ca.

11–13 **Analytic Number Theory**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 822)
Organizers: EGAMI, Shigeki (Toyama Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

11–13 **Recent Developments in Theory of Linear Operators and its Applications**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 822)
Organizers: NAKAZATO, Hiroshi (Faculty of Sci. & Tech., Hirosaki Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

16–18 **Pattern formation problems in dissipative systems**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 822)
Organizers: KUWAMURA, Masataka (Faculty of Human Development, Kobe Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

16–18 **The interplay between set theory of the reals and iterated forcing**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 822)
Organizers: BRENDLE, Jörg (Graduate School of Science and Technology, Kobe Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

16–20 **Subconvexity Bounds for L-functions**, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 611)
Organizers: William Duke, Philippe Michel, Andre Reznikov, and Akshay Venkatesh.
Workshop topics: This workshop, sponsored by AIM and the NSF, will be devoted to subconvexity bounds for L-functions. In recent years, there has been substantial progress towards the subconvexity problem for GL(2) L-functions, beginning with the work of Duke, Friedlander, and Iwaniec; more recently, ideas from representation theory and dynamics have been brought to bear on the problem. Subconvexity bounds for L-functions in higher rank (and, more generally, bounds for periods) remain largely elusive. The aim of the workshop is to consolidate the existing approaches and initiate analysis of the higher rank subconvexity problem.
Application deadline: July 16, 2006.
Information: http://aimath.org/ARCC/workshops/subconvexity.html.

*16–21 **DIMACS Workshop on Properties of Large Graphs: From Combinatorics to Statistical Physics and Back**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey.
Description: Many topics of research in mathematics, computer science and physics involve properties of very large graphs, or of graph sequences that grow asymptotically. For example, such topics arise in the study of Internet models, quasi-random graphs and other questions in graph theory, in property testing of large graphs, and in statistical mechanics. One of the areas of mathematics where these questions have been studied extensively is extremal graph theory. Given the central question in extremal graph theory concerning the existence of various small subgraphs, it might at first seem that this area has little to do with the other themes of this workshop, which are all probabilistic in nature. It turns out, however, that this is not the case.
Organizers: Laszlo Lovasz, Microsoft Research and Eotvos Lorand University, lovasz@cs.elte.hu; Benny Sudakov, Princeton University, bsudakov@math.princeton.edu.
Local Arrangements: Workshop Coordinator, DIMACS Center, workshop@dimacs.rutgers.edu, 732-445-5928.
Information: http://dimacs.rutgers.edu/Workshops/LargeGraphs/.

17–20 **Polyhedral Computation**, Centre de Recherches Mathématiques, Montreal, Canada. (May 2006, p. 611)
Description: The last fifteen years have seen significant progress in the development of general purpose algorithms and software for polyhedral computation (e.g. finding lattice points, enumerating

vertices, extreme rays and facets and triangulating polyhedra). This workshop will bring together researchers with both theoretical and computational expertise with polyhedral computations.
Organizers: David Avis (McGill), David Bremner (New Brunswick) and Antoine Deza (McMaster).

18–20 **General Topology, Geometric Topology and their Applications**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 822)
Organizers: YAMAZAKI, Kaori (Institute of Mathematics, Univ. of Tsukuba).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

18–20 **Mathematical Models of Phenomena and Evolution Equations**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 822)
Organizers: YAMADA, Naoki (Fukuoka Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

23–27 **Analytic and Computational Aspects of Elliptic and Parabolic Equations**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 822)
Organizers: Panagiota Daskalopoulos, Peter Li and Lei Ni.
Information: http://www.msri.org/calendar/workshops/WorkshopInfo/383/show_workshop/.

23–27 **Arithmetic Galois Theory and Related Moduli Spaces**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 822)
Organizer: NAKAMURA, Hiroaki (Graduate School of Natural Science, Okayhama Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

23–27 **Spectra of Families of Matrices Described by Graphs, Digraphs, and Sign Patterns**, AIM Research Conference Center, Palo Alto, California. (Apr. 2006, p. 498)
Aim: During the workshop we hope to resolve the 2n-conjecture and develop new approaches to the minimum rank problem that will lead to significant progress in the future. We hope to get a clearer picture of how energy depends on graph structure, and in particular, to understand the structure of graphs with maximal or minimal energy.
Topics: This workshop, sponsored by AIM and the NSF, will bring together people interested in combinatorial matrix theory and spectral graph theory for investigation of the following problems: The 2n-conjecture for spectrally arbitrary sign patterns. Determination of the minimum rank of symmetric matrices described by a graph. The energy of graphs.
Organizers: Leslie Hogben, Richard Brualdi, and Bryan Shader.
Deadline: July 23, 2006.
Information: http://aimath.org/ARCC/workshops/matrixspectrum.html.

24–27 **Combinatorics, Representation Theory and Related Topics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 822)
Organizers: SUZUKI, Takeshi (RIMS, Kyoto Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

25–26 **Modern Mathematics: An Introduction to 2007-08 Programs at MSRI**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 822)
Organizers: Ricardo Cortez, Hugo Rossi, Ivelisse Rubio.
Information: http://www.msri.org/calendar/workshops/WorkshopInfo/394/show_workshop/.

27–November 1 **International Conference of Computational Methods in Sciences and Engineering 2006 (ICCMSE 2006)**, Hotel Panorama, Chania, Crete. (Aug. 2006, p. 822)
Special Lecture: Rudolph A. Marcus, Nobel Prize in Chemistry 1992, Arthur Amos Noyes Professor of Chemistry, (California Institute of Technology).
Highlighted Lectures: A. D. Buckingham, University of Cambridge, UK; Bjorn O. Roos, University of Lund, Sweden; Werner Kutzelnigg, University of Bochum, Germany.
Invited Speakers: Tadeusz Bancewicz (Poland), Sylvio Canuto (Brazil), Minhaeng Cho (Korea), James R. Chelikowsky (USA), C. Cramer (USA), M. Heaven (USA), Hans Herrmann (Germany), A. Hinchliffe (UK), K. Hirao (Japan), K.A. Jackson (USA), P. Jörgensen (Denmark), Ilya Kaplan (Mexico), J. Leszczynski (USA), Paul G. Mezey (Canada), M. Nakano (Japan), P. Pyykkö (Finland), J. Sauer (Germany), H.F. Schaefer (USA), N. S. Scott (UK), M. Urban (Slovakia), K. Yamaguchi (Japan).
Highlighted Symposium: The multiconfigurational method for all the periodic table. A theoretical chemistry Symposium in honour of Bjorn Roos. Organizer: Laura Gagliardi, Department of Physical Chemistry, Sciences II University of Geneva.
Contact Information: Secretary ICCMSE 2006 (Mrs Eleni Ralli-Simou); email: iccmse@uop.gr and tsimos@mail.ariadne-t.gr, 10 Konitsis Street, Amfithea Paleon Faliron, GR-175 64, Athens, Greece; fax: +30210 94 20 091 or + 30 2710 237397.

30–November 1 **Mathematical Aspects and Applications of Wave Phenomena**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 823)
Organizers: TANAKA, Mitsuhiro (Faculty of Engineering, Gifu Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

30–November 3 **Computational Challenges Arising In Algorithmic Number Theory and Cryptography**, Fields, Toronto, Canada. (May 2006, p. 612)
Information: http://www.fields.utoronto.ca/programs/scientific/06-07/crypto/number_theory/.

November 2006

*1–3 **Workshop on Global Integrability of Field Theories and Applications (GIFT 2006)**, Cockcroft Institute, Daresbury, United Kingdom.
Organizers: J. Calmet (Karlsruhe), R. W. Tucker (Lancaster).
Invited Speakers: E. Hubert (Sofia Antipolis), V. V. Lychagin (Tromso), R. F. Streater (London).
Information: http://iaks-www.ira.uka.de/iaks-calmet/gift2006/.

1–5 **CCA 2006 Third International Conference on Computability and Complexity in Analysis**, University of Florida, Gainesville, Florida. (May 2006, p. 612)
Scope: The conference is concerned with the theory of computability and complexity over real-valued data. Computable Analysis combines concepts from Analysis/Numerical Analysis and Computability/Computational Complexity and studies those functions over real-valued data, which can be realized by digital computers.
Submissions: Authors are invited to submit a PostScript or PDF version of a paper to cca-submission@FernUni-Hagen.de by July 2, 2006.
Organizing Committee: Gainesville: Paul Brodhead, Douglas Cenzer, chair, Rick Smith.
Information: Klaus Weihrauch, email: Klaus.Weihrauch@FernUni-Hagen.de, Douglas Cenzer, email: cenzer@ufl.edu; http://cca-net.de/cca2006/.

4–10 **Second International Conference on Finsler Geometry**, Cairo, Egypt. (Jun/Jul. 2006, p. 712)

Description: The 2006 Conference will focus particular (though not exclusive) attention on Geometries whose metric functions are symmetric polynomials.
In addition to the Scientific proceedings of the 2006 Conference, an extensive cultural program will be provided for participants. Amongst the excursions planned are guided visits to the Pyramid complexes of the Giza Plateau, Dashura, Medum and Saqqara, and the Museum of Egyptian Antiquities in Cairo, which houses incomparably the greatest collection of Egyptian Antiquities in the world. There will also be optional excursions to a number of ancient temples.
Information: email: vgladyshev@mail.ru or email: mpbw1879@yahoo.co.uk or http://hypercomplex.xpsweb.com.

6–10 **Development of Computational Algebraic Statistics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 823)
Organizer: TAKEMURA, Akimichi (Graduate School of Information Science and Technology, Univ. of Tokyo.
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

6–11 **International Conference on Harmonic Analysis and Applications**, El-Kantaoui, Sousse, Tunisia. (Aug. 2006, p. 823)
Description: The activities will focus on commutative and non-commutative harmonic analysis, analysis on homogeneous spaces, representation theory, hypergroups, special functions and the interplay between these fields. It is planned as a forum for scientific and fruitful exchange of new ideas in these different areas. Young researchers are particularly invited to attend the event and even encouraged to present their recent works and to discuss their subjects with experts. We shall organize some twenty minutes contributed talks especially for that purpose.
Information: Please contact: Mohamed Sifi: Faculté des Sciences de Tunis, Département de Mathématiques, 2092 El-Manar, Tunis, Tunisie. Mobile: (216) 97 672 349, Fax: (216) 71 885 350, email: mohamed.sifi@fst.rnu.tn. Ali Baklouti: Faculté des Sciences de Sfax, Département de Mathématiques, 3038 Sfax, Tunisie. Mobile: (216) 98 641 600, Fax: (216) 74 274 4437, email: ali.baklouti@fss.rnu.tn.

8–10 **Policy and Practice in Mathematics and Science Teaching and Learning in the Elementary Grades**, American University of Beirut, Beirut, Lebanon. (Apr. 2006, p. 498)
Goals: The major goals of the International Symposium are: (a) to share innovative, unique and creative solutions for enacting reform in the areas of elementary mathematics and science teacher preparation and development, school organization, policy, and classroom practices; (b) to document and widely disseminate ideas presented at the symposium; (c) to initiate new and creative solutions to endemic problems; and (d) to initiate discussion of a grant proposal to enact and study the enactment in International House School settings of some of the innovative ideas presented in the Symposium.
Deadlines: Proposals are sought in the following areas: Teacher preparation and ongoing development, Policy initiatives, School organization, Classroom practices. Completed proposals are due no later than May 15, 2006.
Information: email: arogerson@inetia.pl.

8–12 **Policy and Practice in Mathematics and Science Teaching and Learning in the Elementary Grades**, Beirut, Lebanon. (Apr. 2006, p. 498)
Organizers: Marj Henningsen and Madeleine Long, in cooperation with our project.
Information: email: arogerson@inetia.pl.

20–22 **P-adic Arithmetic Geometry**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 823)
Organizer: KATO, Kazuya (Dept. of Mathematics, Kyoto Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

27–December 1 **Cryptography: Underlying Mathematics, Provability and Foundations**, Fields Institute, Toronto, Canada. (May 2006, p. 612)
Information: http://www.fields.utoronto.ca/programs/scientific/06-07/crypto/crypto_foundations/.

27–December 22 **Geophysical Fluid Dynamics and Scalar Transport in the Tropics**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Jun/Jul. 2006, p. 712)
Details: This one-month program is a small effort to address the dearth of knowledge in tropical dynamics. Over two workshops interspersed by two mini-courses, an international gathering of scientists and applied mathematicians would review recent theoretical ideas on geophysical fluid dynamics (GFD) and scalar transport within the tropics, while incubating new ideas. The ideas discussed would help organize and elucidate information in datasets generated by weather or sea-state forecast and pollutant dispersion analysis in Southeast Asia. Thus, the program would also benefit participating applied meteorologists and oceanographers who handle datasets on a day-to-day basis.

Organizing Committee: Peter Haynes (University of Cambridge), Tieh-Yong Koh (Nanyang Technological University), Hock Lim (National University of Singapore), Pavel Tkalich (National University of Singapore).
Information: For further information and registration, please visit http://www.ims.nus.edu.sg/Programs/geophysical/index.htm.email: imssec@nus.edu.sg. For enquiries on scientific aspects of the program, Tieh-Yong Koh email: kohty@ntu.edu.sg.

30–December 2 **SIGEF'06: First Announcement: XIII Congress of International Association for Fuzzy-Set Management and Economy: Optimization techniques: Fuzziness and nonlinearity for management and economy**, Hammamet, Tunisia. (Aug. 2006, p. 823)
Information: For any information please contact conference secretary by mail or e-mail: SIGEF'06, Institut Supérieur de Gestion, 41 rue de la liberté, 2000 Le Bardo, Tunisie, Tel: (+216) 98 409 533, Fax: (+216) 71 703 652, email: foued.benabdelaz@isg.rnu.tn; http://www.isg.rnu.tn/SIGEFXIII. (under construction)

December 2006

2–7 **Operator methods in fractal analysis, wavelets and dynamical systems**, BIRS, Banff, Canada. (Aug. 2006, p. 823)
Aim: This workshop is aimed at developing new approaches and mathematical foundations for wavelet analysis, dynamical and iterated function systems, spectral and tiling duality, fractal iteration processes and non-commutative dynamical systems. Operator theory, harmonic analysis and representation theory. Mathematics and engineering. The interplay connects to other subjects and applications.
Organizers: Ola Bratteli (University of Oslo), Palle Jorgensen (The University of Iowa), David Kribs (University of Guelph), Gestur Olafsson (Louisiana State University), Sergei Silvestrov (Lund University).
Information: http://www.pims.math.ca/birs/birspages.php?task=displayevent&event_id.

4–8 **Finding and Keeping Graduate Students in the Mathematical Sciences**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2006, p. 712)
Organizers: Amy Cohen-Corwin, Abbe Herzig, and David Manderscheid.
Description: This workshop, sponsored by AIM and the NSF, will build on recent efforts by groups and individuals within

the mathematics community to enhance the recruitment and retention of graduate students in the mathematical sciences, with a particular emphasis on women and underrepresented minorities. The Workshop will bring together leaders in graduate education in the mathematical sciences, giving them the opportunity to develop tangible plans to take these efforts to the next level at their institutions. The Workshop will provide a varied mix of principles for designing successful programs and examples of programs that have demonstrated success in responding to the issues, including models of funding and other logistical considerations. An emphasis will be placed on programs that benefit all students.
Deadline: June 15, 2006.
Details: http://aimath.org/ARCC/workshops/keepinggrads.html.

12–16 **The Eleventh Asian Technology Conference in Mathematics**, Hong Kong Polytechnic University, Hong Kong, Hong Kong. (Jun/Jul. 2006, p. 712)
Information: "Advancing and Fostering Mathematical Sciences and Education through Technology". The aim of this conference is to provide a forum for educators, researchers, teachers and experts in exchanging information regarding enhancing technology to enrich mathematics learning, teaching and research at all levels. English is the official language of the conference. For more information, please visit http://atcminc.com.
Last Date for Submission Abstracts: May 15, 2006.
Last Date for Submission of Full Papers: July 15, 2006.

13–15 **Workshop on "Geometry of vector distributions, differential equations, and variational problems"**, International School for Advanced Studies (SISSA), Trieste, Italy. (May 2006, p. 612)
Workshop topics: Equivalence problems for various geometric structures on manifolds, especially nonholonomic distributions, sub-Riemannian structures, Cauchy-Riemann (CR) structures with application to control systems, geometry of differential equations and variational problems.
Expected Participants: Andreas Cap (University of Vienna and Erwin Schrodinger Institute of Mathematical Physics), Boris Doubrov (Belorussian State University, Minsk), Svetlana Ignatovich (Kharkov National University, Ukraine), Frederic Jean (ENSTA, Paris), Piotr Mormul (Warsaw University), Pawel Nurowski (Warsaw University), Jean-Baptiste Pomet (INRIA, Sophia Antipolis, France), Jan Slovak (Masaryk University in Brno, Czech Republic), Michail Zhitomirskii (Technion -Israel Institute of Technology, Haifa, Israel).
Organizers: Andrei Agrachev (SISSA) and Igor Zelenko (SISSA).
Information: All who are interested in taking part in this activity are invited to contact Igor Zelenko, zelenko@sissa.it; http://www.sissa.it/~zelenko/CEIHomepage.html.

15–17 **International Conference on Computer & Information Science (ICCIS'2005)**, Fort Panhala, Kolhapur, India. (Dec. 2004, p. 1379)
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.

16–18 **The 5th International Conference on Differential Equations and Dynamical Systems**, University of Texas–Pan American, Edinburg, Texas. (Jun/Jul. 2006, p. 713)
Topics: All major research areas in differential equations and dynamical systems with focuses on analysis, modeling, computations and applications to sciences and engineering.
Main Speakers: R. P. Agarwal (Florida Inst. of Technology), G.-Q. Chen (Northwestern U.), L. Debnath (U. of Texas Pan–American), D. L. Russell (Virginia Tech. U.), W. van Saarloos (Inst.-Lorenz, Netherlands), S. Ahmad (U. Texas at San Antonio).
Special Sessions: Proposals are invited. Send to Xinzhi Liu, Dept. of Applied Mathematics, University of Waterloo, Waterloo, Ontario, Canada N2L 3G1, email: xzliu@uwaterloo.ca.
Call for Papers: Contributed papers are invited. Abstracts must be submitted to Zhaosheng Feng via email before Sept. 15, 2006: email: zsfeng@utpa.edu.
Information: http://www.watam.org/deds06.htm.

16–20 **DION 2005: An International Conference on Diophantine Equations: in honour of Professor T. N. Shorey on his 60th Birthday**, Tata Institute of Fundmental Research, Mumbai, India. (Jun/Jul. 2005, p. 675)
Information: Conference is open to mathematicians working in Number Theory and allied areas. Interested persons may find information at: email: math.tifr.res.in; http://www.math.tifr.res.in/~dion2005.

17–21 **Integral Closure, Multiplier Ideals and Cores**, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 612)
Organizers: Alberto Corso, Claudia Polini, and Bernd Ulrich.
Workshop Topics: This workshop, sponsored by AIM and the NSF, will be devoted to questions related to the notion of integral closure of ideals. Specific aspects of the workshop focus are: computation of the integral closure and its complexity; multiplicities and equisingularity theory; cores of ideals and Briancon-Skoda type theorems; multiplier ideals and test ideals; and multiplier ideals and jet schemes.
Application Deadline: September 1, 2006.
Information: http://aimath.org/ARCC/workshops/integralclosure.html.

*18–22 **Indo-US Ramanujan Symposium on Non-commutative Rings, Group Rings, Diagram Algebras, and Applications**, University of Madras, Chennai, India.
Description: The conference will highlight the latest development in non-commutative rings, group rings, diagram algebras, and their applications.
Co-Chairs of the Organizing Committee: S. Parvathi and S. K. Jain.
Local Host: Professor S. Parvathi, Director, Ramanujan Institute for Advanced Study in Mathematics, email: sparvathi@hotmail.com.
Invited Speakers: A. Facchini, K. Goodearl, C. Hajarnavis, Birge Huisgen-Zimmermann, Dinh V. Huynh, T. Y. Lam, Andre Leroy, Paul Martin, I. B. S. Passi, Don Passman, Louis Rowen, L. Small, R. Sridharan, J. B. Srivastava, V. S. Sunder, R. Wisbauer, Chang Chang Xi, E. Zelmanov.
Information: For Registration and Abstract please go to http://www.math.ohiou.edu/~jain/conference.html.
Deadline: For submitting your abstract: November 15, 2006.

26–January 6, 2006 **CIMPA School on Commutative Algebra**, Institute of Mathematics, Hanoi, Vietnam. (Jun/Jul. 2005, p. 675)
Objective: The aim of the School is to introduce mathematicians from developing countries to some fundamental techniques and recent developments in Commutative Algebra and to promote the collaboration between mathematicians of different developing and developed countries.
Scientific program: The school will be divided into two parts. The first week (26-30.12.05) is a school with 4 instructional courses on the following topics: Local cohomology (M. Brodmann), Toric rings and varieties (D. Cox), Finite free resolutions (J. Herzog), Blow-up algebras (B. Ulrich). The second week (January 3–6, 2006) is devoted to an international conference. Besides invited lectures on recent development in Commutative Algebra, there will be opportunities for mathematicians from developing countries to present their research works.

Participation: The school and the conference are open to all mathematicians. The local organizers will arrange for visa and accommodation. Conference fees: 100 USD.
Support: There are a limited number of grants which cover travel and living expenses for mathematicians from developing countries.
Deadlines: Requests for participation and applications for support should be sent to the local coordinator before July 31, 2005.
Address for correspondences: L. T. Hoa, Institute of Mathematics,18 Hoang Quoc Viet, 10307 Hanoi, Vietnam; Tel.: 0084-4-8361317 (Ext. 202); fax: 0084-4-7564303; email: cimpa@math.ac.vn.

January 2007

5–8 **Joint Mathematics Meetings**, New Orleans, Louisiana. (Jun/Jul. 2006, p. 713)
Information: http://www.ams.org/amsmtgs/national.html

8–June 29 **Analysis on Graphs and its Applications**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK. (Nov. 2005, p. 1264)
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 (Aukland).
Information: http://www.newton.cam.ac.uk/programmes/AGA/.

11–12 **Connections for Women: Dynamical Systems**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 823)
Information: http://www.msri.org/calendar/workshops/WorkshopInfo/384/show_workshop/.

15–19 **Computational Commutative Algebra and Computational Algebraic Geometry**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Aug. 2006, p. 823)
Organizer: HIBI, Takayuki (Graduate School of Information Science and Technology, Osaka Univ.).
Information: http://www.kurims.kyoto-u.ac.jp/~kyodo/program18-en.htm.

15–19 **Introductory Workshop on Dynamical Systems with Emphasis on Extended Systems**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 823)
Organizers: Chris Jones (Univ. North Carolina), Edgar Knobloch (Univ. Calif., Berkeley-Physics), Nancy Kopell (Boston Univ.), Lai-Sang Young (chair, Courant).
Information: http://www.msri.org/calendar/workshops/WorkshopInfo/385/show_workshop/.

15–July 6 **Highly Oscillatory Problems: Computation, Theory and Application**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK. (Nov. 2005, p. 1264 (Dec. 2005, p. 1383))
Organizers: Professor B. Engquist (Austin), Professor E. Hairer (Geneva) and Professor A. Iserles (Cambridge).
Information: http://www.newton.cam.ac.uk/programmes/HOP/.

22–26 **Local Holomorphic Dynamics**, Pisa, Italy. (Aug. 2006, p. 823)
Main Speakers: Dominique Cerveau (Univ. de Rennes I), Jean Ecalle (Univ. de Paris-Sud), Todor Gramtchev (Univ. di Cagliari), Mattias Jonsson (Royal Inst. of Tech. Stockholm), Frank Loray (Univ. de Rennes I), Stefano Marmi (Scuola Normale Superiore Pisa), Jean-Francois Mattei (Univ. P. Sabatier de Toulouse), Robert Moussu (Univ. de Bourgogne Dijon), Jorge V. Pereira (IMPA), Ricardo Perez-Marco (UCLA), Julio Rebelo (Univ. de Paris-Sud), Bruno Scàrdua (IMPA), Tetsuo Ueda (Kyoto Univ.), Jean-Cristophe Yoccoz (College de France), Nguyen Tien Zung (Univ. P. Sabatier de Toulouse).
Program: The aim of this workshop is to bring together researchers interested in local holomorphic dynamics, from both the continuous and the discrete side of the subject, with the goals of presenting the more recent results, comparing the techniques used, and possibly to spark new collaborations and researches. Every morning there will be three plenary lectures given by some of the main researchers in the area. The afternoons will instead be devoted to talks given by junior researchers from all over the world.
Registration: To register, go to the address http://www.crm.sns.it/index_02.html and follow the links scientific activities–workshops–future–Local holomorphic dynamics–Registration. The deadline for registration is: September 30, 2006.
Contacts: Dr. Ilaria Gabbani, Dr. Antonella Gregorace, Centro di Ricerca Matematica "Ennio De Giorgi", crm@crm.sns.it, Fax: +39/050/509178.

22–26 **Winter School "Geometric Measure Theory, Random Sets and Digital Stereology"**, Sandbjerg Estate, Sonderborg, Denmark. (Jun/Jul. 2006, p. 713)
Scope: The modern theory of random sets is strongly based on results in geometric measure theory and has important applications in digital stereology. The aim of the winter school is to give an overview of this area that ranges from classical generalizations of differential geometry over stochastic geometry to recent applications in the analysis of digital images.
Addressees: The winter school is addressed to Ph.D.s, PostDocs and other researchers in mathematics and statistics who want to get introduced in the field. Scientists from the natural sciences with an interest in mathematics are also welcome.
Organizers: Eva B. Vedel Jensen and Markus Kiderlen, University of Aarhus.
Teaching Team: Markus Kiderlen, University of Aarhus, Ilya Molchanov, University of Bern, Jan Rataj, Charles University, Praha.
Information: http://www.thiele.au.dk/winterschool07/.

March 2007

3–4 **AMS Southeastern Section Meeting**, Davidson College, Davidson, North Carolina. (Jun/Jul. 2006, p. 713)
Information: http://www.ams.org/amsmtgs/sectional.html

4–7 **3rd International Conference on 21st Century Mathematics 2007**, School of Mathematical Sciences, Lahore, Pakistan. (Aug. 2006, p. 823)
Organizers: Convener: A. D. R. Choudary, SMS, Lahore, Pakistan (choudary@cwu.edu); Conference Chairman: Faqir Mm Bhatti, LUMS, Pakistan (fmbhatti@lums.edu.pk).
Keynote Speakers: C. G. Gibson (University of Liverpool, UK); T. Zamfirescu (University of Dortmund, Germay); D. Popescu (University of Bucharest, Romania); A. Laptev (Royal Institute of Technology KTH), Stockholm); D. A. Leites (Max-Planck-Institute for Mathematics, Germany); J. Seade (UNAM, Mexico) ; Edy Tri Baskoro (Institut Teknologi Bandung, Indonesia); D. K. Arrowsmith (University of London, UK).
Information: http://wc2007.lums.edu.pk.

4–8 **Twelfth International Conference on Approximation Theory**, Menger Hotel, San Antonio, Texas. (Jun/Jul. 2006, p. 713)
Invited Speakers: Charles Chui (Univ. Missouri, St. Louis), Frank Deutsch (Penn State Univ.), Ron DeVore (Univ. South Carolina, Ming-Jun Lai (Univ. Georgia), Peter Oswald (International Univ., Bremen), Gabrielle Steidl (Univ. Mannheim), and Joe Ward (Texas A&M).
Organizers: Mike Neamtu and Larry L. Schumaker (Vanderbilt Univ.)
Information: http://www.math.vanderbilt.edu/~at07/at07.html,email: at07math@math.vanderbilt.edu.

*12–15 **2007 MBI Workshop for Young Researchers in Mathematical Biology**, The Ohio State University, Columbus, Ohio.
Description: The aims of this workshop are to broaden the scientific perspective of 40–50 young researchers in the mathematical sciences and to encourage interactions with other scientists that will be valuable for their future careers. The workshop will

include plenary talks by leading researchers in the mathematical biosciences. The workshop will also feature poster presentations by each participant, as well as working group discussions on issues relevant to mathematical biologists.
Topic: Mathematical biology.
Organizer: MBI Postdoctoral Fellows.
Deadline: October 1, 2006.
Information:http://mbi.osu.edu/postdocworkshop/wyrmb.html.

12–16 **Geometric Evolution Equations**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 824)
Organizers: Bennett Chow, Gerhard Huisken, Chuu-Lian Terng, and Gang Tian.
Information: http://www.msri.org/calendar/workshops/WorkshopInfo/386/show_workshop/.

16–17 **AMS Central Section Meeting**, Miami University, Oxford, Ohio. (Jun/Jul. 2006, p. 713)
Information: http://www.ams.org/amsmtgs/sectional.html

19–23 **Representations of Surface Groups**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2006, p. 713)
Organizers: Steven Bradlow, Oscar Garcia-Prada, William M. Goldman, and Anna Wienhard.
Description: This workshop, sponsored by AIM and the NSF, will bring together researchers studying representations of fundamental groups of Riemann surfaces into real semsimple Lie groups. Such representations form multi-component algebraic sets. Recent progress in understanding these components has come from quite different approaches. The main goal of the workshop is to clarify the relations between these different approaches to initiate further research in this area
Deadline: January 5, 2007.
Details: http://aimath.org/ARCC/workshops/surfacegroups.html.

19–23 **Stochastic Dynamical Systems and Control**, Mathematical Sciences Research Institute, Berkeley, California. (Jun/Jul. 2006, p. 713)
Organizers: Jonathan Mattingly (Duke), Igor Mezic (UCSB-Chair), Andrew Stuart (Warwick).
Information: http://www.msri.org/calendar/workshops/Workshopinfo/387/show_workshop/.

* 25–29 **The 4th International Conference (SETIT 2007): Sciences of Electronic, Technology of Information and Telecommunications**, Tunisia, North Africa.
Supporter: IEEE France.
Submit papers: Authors are invited to submit papers describing new advances in: Sciences of Electronic, Technology of Information and Telecommunications. We welcome papers that may be theoretical, conceptual, descriptive in nature, or a survey of the state of the art. Papers selected for presentation will be published in a book and a CD with an ISBN. Your propositions are welcome (they can be made either in English or in French).
Information: The paper submission is on-line at: http://www.setit.rnu.tn/?pg=submission&id=a43*/.

26 **World Congress on Computational Finance: The First Decade**, London, England. (Aug. 2006, p. 824)
Organizers: Jesper Andraesen, Myron Scholes, Domingo Tavella.
Information: http://www.msri.org/specials/compfinance/index_html.

26–30 **Buildings and Combinatorial Representation Theory**, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 612)
Organizers: Monica Vazirani, Michael Kapovich, and Arun Ram.
Workshop topics and Goals: This workshop, sponsored by AIM and the NSF, will bring together researchers with different perspectives in combinatorial representation theory: combinatorial, metric, and algebro-geometric. It has emerged from recently that Bruhat–Tits buildings play an essential, not yet well-understood role in combinatorial representation theory by providing a geometric realization to existing combinatorial models and linking them to the algebro-geometric tools of representation theory. Goals for the workshop include examining and comparing the different approaches to the saturation theorem, with an emphasis on the role of buildings.
Application Deadline: December 1, 2006.
Information: http://aimath.org/ARCC/workshops/buildings.html.

April 2007

14–15 **AMS Eastern Section Meeting**, Stevens Institute of Technology, Hoboken, New Jersey. (Jun/Jul. 2006, p. 713)
Information: http://www.ams.org/amsmtgs/sectional.html

21–22 **AMS Western Section Meeting**, University of Arizona, Tucson, Arizona. (Jun/Jul. 2006, p. 713)
Information: http://www.ams.org/amsmtgs/sectional.html

23–27 **Problems in Geometric Group Theory**, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 612)
Organizers: Mladen Bestvina, Tadeusz Januszkiewicz, and Richard Scott.
Workshop Topics: This workshop, sponsored by AIM and the NSF, will be devoted to compiling a list of unsolved and partially solved problems in geometric group theory. The list will be organized into various subfields of geometric group theory and other fields that have substantial overlap with geometric group theory. The problems will be annotated with special cases, relationships among the problems, broader implications, and progress to date.
Application Deadline: January 12, 2007.
Information: http://aimath.org/ARCC/workshops/geomgpthy.html.

28–May 5 **Advances in Algebra and Geometry**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 824)
Organizers: Joe Harris, Craig Huneke, Hugo Rossi, Frank-Olaf Schreyer, Bernd Sturmfels.
Information: http://www.msri.org/calendar/workshops/WorkshopInfo/390/show_workshop/.

May 2007

7–11 **Rational Curves on Algebraic Varieties**, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 612)
Organizers: Brendan Hassett and Sandor Kovacs.
Workshop Topics and Goal: This workshop, sponsored by AIM and the NSF, will be devoted to rationally-connected varieties. The workshop will focus on the following tools: deformation theory of curves and combs; constructions of free curves with desired properties; moduli spaces of stable maps; singularity theory and rational-chain connectedness. One main goal will be to present and discuss state-of-the-art techniques in each of these areas.
Application Deadline: January 21, 2007.
Information: http://aimath.org/ARCC/workshops/rationalcurves.html.

14–July 13 **Braids**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Dec. 2005, p. 1383)
Program: The main theme of the program is the mathematical structure of the braid group, together with applications arising from this structure both within mathematics, and outside of mathematics such as (a) magnetohydrodynamics, (b) robotics and (c) stereochemistry. It is proposed to invite workers in these different areas with the intention of cross-fertilization. The interests of the

organizers lie mostly in topology. Therefore it is likely that most long-term visitors will be from that area.
Deadline: Completed forms should be received by the Institute at least one month before commencement of each activity. Registration is free of charge. Institute membership is not required for participation.
Organizing Committee: Co-chairs: Jon Berrick (National University of Singapore); Fred R. Cohen (University of Rochester).
Information: email: ims@nus.edu.sg. For enquiries on scientific aspects of the program, please email A.J. Berrick at berrick@math.nus.edu.sg; http://www.ims.nus.edu.sg/Programs/braids/index.htm.

18–20 **The 2007 Midwest Geometry Conference (MGC 07)**, University of Iowa, Iowa City, Iowa. (Jun/Jul. 2006, p. 713)
MGC 07: To be held in the honor of Thomas P. Branson (1953–2006).
Topics: Functional determinants of conformal operators on 4-manifolds; PDE and geometric measure theory; Geometric and harmonic analysis.
Plenary Speakers: Ivan Avramidi, Alice Chang, Michael Eastwood, Charles Fefferman, Peter B. Gilkey, Rod Gover, Robin Graham, Kengo Hirachi, Gestur Olafsson, Bent Orsted, William Ugalde, Paul C. Yang.
Organizers: Susanne Branson, Oguz Durumeric, Doojin Hong, Palle Jorgensen, Gestur Olafsson, Lawrence Peterson, Vincent Rodgers, Walter Seaman, William Ugalde. Including publication (editors): Michael Eastwood, Rod Gover. http://www.emis.de/journals/SIGMA/.
Information: http://www.math.uiowa.edu/MGC2007/ (will be updated periodically).

21–25 **Mathematical Issues in Stochastic Approaches for Multiscale Modeling**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2006, p. 824)
Organizers: Roberto Camassa (Univ. North Carolina, Chapel Hill), Jinqiao Duan (Illinois Institute of Technology, Chicago), Peter E. Kloeden (Univ. of Frankfurt, Germany), Jonathan Mattingly (Duke Univ.), Richard McLaughlin (Univ. North Carolina, Chapel Hill).
Information: http://www.msri.org/calendar/workshops/WorkshopInfo/398/show_workshop/.

22–26 **Extremal problems in complex and real analysis**, Peoples Friendship University of Russia, Moscow, Russia. (Aug. 2006, p. 824)
Topics: The list of covered topics includes (but is not limited to): approximation theory, theory of spaces of analytic and harmonic functions, optimal recovery, geometric function theory in one and several variables, function related operator theory.
Information: Visit http://www.albany.edu/~pb6916/; email: kosipenko@yahoo.com, stessin@math.albany.edu, amontes@us.es.

28–June 2 **Workshop on Finsler Geomertry and its Applications**, Hotel Jogar, Balatonfoldvar, Hungary. (Aug. 2006, p. 824)
Organizers: S. Bãcsu, L. Kozma and J. Szilai, Department of Geometry, Univ. of Debrecen, Hungary.
Honorary chairman: L. Tamãsssy, Univ. of Debrecen, Debrecen, Hungary.
Information: Visit http://www.math.klte.hu/finsler2007/; email: kozma@math.klte.hu; http://www.hoteljogar.hu.

June 2007

4–8 **Arithmetic Harmonic Analysis on Character and Quiver Varieties**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2006, p. 714)
Organizers: Tamas Hausel, Emmanuel Letellier, and Fernando Rodriguez-Villegas.
Description: This workshop, sponsored by AIM and the NSF, will be devoted to bringing together mathematicians working on the following circle of ideas: cohomology of character and quiver varieties, representation theory of finite groups and algebras of Lie type, applications of the Weil conjectures to cohomological calculations, geometric representation theory of various finite and infinite dimensional algebras, and the combinatorics of Macdonald polynomials. Specific questions to be addressed during the workshop are described on the announcement page.
Deadline: February 15, 2007.
Details: http://aimath.org/ARCC/workshops/charvarieties.html.

*11–15 **An Algebraic Geometry Conference**, IHP, Paris, France.
Description: This conference will give us the opportunity to (unofficially) celebrate Arnaud Beauville's 60th birthday.
Scientific Committee: Enrico Arbarello, Herbert Clemens, M. S. Narasimhan, Carlos Simpson.
Organizing Committee: Olivier Debarre, Yves Laszlo, Claire Voisin.
Information: http://www.math.polytechnique.fr/confga.

*18–23 **Combinatorics and Optimization 40th Anniversary Conference**, University of Waterloo, Waterloo, Ontario, Canada.
Description: In celebration of the 40th anniversary of the department, and the 50th anniversary of the University.
Focus: On the six main research areas represented by the department: algebraic combinatorics; combinatorial optimization; continuous optimization; cryptography; graph theory; and quantum computing.
Information: For more details, including a list of invited speakers, see http://www.math.uwaterloo.ca/CandO_Dept/Conference/40thConference.shtml.

*24–30 **Lyapunov Memorial Conference: International Conference on the occasion of the 150th Birthday of Aleksandr Lyapunov**, Karazin Kharkiv National University and Verkin Institute for Low Temperature Physics, Kharkiv, Ukraine.
Topics: The Conference will focus on the areas studied by A. M. Lyapunov: Stability and dynamic systems; Mathematical physics and mechanics; Probability theory.
Organizers: Karazin Kharkiv National University; Verkin Institute for Low Temperature Physics, Kharkiv; Institute of Mathematics, Kiev; Steklov Institute of Mathematics, Moscow.
Co-chairmen of the Organizing Committee: V. Marchenko (Ukraine), V. Kozlov (Russia), V. Bakirov (Ukraine).
Deadlines: Deadline for abstract submission: March 31, 2007.
Information: LMC07, Verkin Institute for Low Temperatures Physics, 47 Lenin Avenue, Kharkiv 61103, Ukraine tel: +38 057 330 85 86 fax: +38 057 340 33 70; email: lmc07@ilt.kharkov.ua; http://www.ilt.kharkov.ua/lmc07/.

*24–30 **Seventh International Conference "Symmetry in Nonlinear Mathematical Physics"**, Institute of Mathematics, Kiev, Ukraine.
Topics: Geometrical methods in mathematical physics; Lie theory and differential equations; Integrable and nonintegrable systems, solitons, Painlevé analysis; Dynamical systems and quantum chaos; Exactly and quasi-exactly solvable models; Supergroups and nonlinear algebraic structures; Lie groups and algebras, representation theory and special functions; q-algebras, quantum groups and noncommutative geometry; Supersymmetry and supergravity, strings and branes; Cosmology and quantum gravity.
Deadline for Registration: May 24, 2007.
Information: http://www.imath.kiev.ua/~appmath/conf.html.

*28–July 4 **6th Congress of Romanian Mathematicians**, Faculty of Mathematics and Computer Science, University of Bucharest, Bucharest, Romania.
Topics: Algebra, Algebraic, Complex and Differential Geometry; Real and Complex Analysis, Potential Theory; Ordinary and Partial Differential Equations, Variational Methods, Optimal Control and Mathematical Physics; Functional Analysis, Operator Theory and Numerical Analysis; Probability, Mathematical Statistics, Computer

Science, Mathematical Programming and Operations Research; Mechanics, Applied Mathematics and History of Mathematics.
Organizers: Romanian Academy, Section of Mathematical Sciences; University of Bucharest, Faculty of Mathematics and Computer Science; Simion Stoilow Institute of Mathematics; West University of Timisoara; University of Pitesti.
Information: http://www.imar.ro/~purice/announcements.html. 6th Congress of Romanian Mathematicians, c/o Simion Stoilow Institute of Mathematics, P.O. Box 1-764, RO-014700 Bucharest, Romania; fax: +40 21 319 65 05; email: congmatro@imar.ro.

July 2007

2–6 **25th Journees Arithmetiques**, University of Edinburgh, Scotland, UK. (May 2006, p. 612)
Information: email: c.smyth@ed.ac.uk.

2–6 **Design Theory of Alex Rosa, a meeting in celebration of Alex Rosa's 70th Birthday**, Bratislava, Slovakia.
Organizers: IAS, University of Washington, Tacoma; Mathematical Institute of the Slovak Academy of Sciences; Department of Applied Informatics and Information Technology; Slovak University of Technology.
Speakers: Charles Colbourn, Jeff Dinitz, Pavol Hell, Curt Lindner, Spyros Magliveras, Eric Mendelsohn, Rudolf Mathon, Jaroslav Nesetril, Vojtech Rodl, Chris Rodger, Gert Sabidussi, Rick Wilson.
Information: Please send an email to horak@u.washington.edu to be included in the mailing list of the conference; http://www.d.umn.edu/~dfroncek/alex/index.htm.

9–13 **European Dynamics Days 2007**, Loughborough University, United Kingdom. (Jan. 2006, p. 70)
Organizers: Mark Groves, John Terry (Loughborough University), Mark Fromhold, Gregor Tanner (University of Nottingham).
Information: Email Mark Groves (M.D.Groves@lboro.ac.uk).

9–12 **International Conference on Artificial Intelligence and Pattern Recognition**, Orlando, Florida. (Aug. 2006, p. 824)
Description: AIPR is an important event in the areas of Artificial Intelligence (AI) as well as Pattern Recognition (PR) and focuses on all areas of AI, PR and related topics. The conference will be held at the same time and location where three other major events will be taking place.
Information: Visit http://www.promoteresearch.org/; email: jeedward@gmail.com.

9–12 **International Conference on Enterprise Information Systems and Web Technologies**, Orlando, Florida. (Aug. 2006, p. 824)
Description: EISWT is an important event in the areas of Enterprise Information Systems as well as Web Technologies. The conference will be held at the same time and location where three other major events will be taking place.
Information: Visit http://www.promoteresearch.org/; email: jeedward@gmail.com.

9–12 **International Conference on High Performance Computing, Networking and Communication Systems**, Orlando, Florida. (Aug. 2006, p. 824)
Description: HPCNCS is an important event in the areas of computer networks, high performance computing, communication systems, signal processing and related areas. The conference will be held at the same time and location where three other major events will be taking place.
Information: Visit http://www.promoteresearch.org/; email: jeedward@gmail.com.

9–12 **International Conference on Software Engineering Theory and Practice (SETP-07)**, Orlando, Florida. (Aug. 2006, p. 824)
Description: The conference will be held simultaneously at the same place where three other major events in computer science are taking place.
Information: Visit http://www.promoteresearch.org/; email: jeedward@gmail.com.

*16–22 **The 8th International Conference on Fixed Point Theory and Its Applications**, Department of Mathematics, Faculty of Science, Chiang Mai University, Chiang Mai, Thailand.
Purpose: This conference is to bring together leading experts and researchers and to assess new developments in this very active and important field. The conference will continue the tradition of previous fixed point theory meetings which were held in Merseille (1989), Halifax (1991), Seville (1995), Kazimierz Dolny (1997), Haifa (2001), Valencia (2003), and Guanajuato (2005).
Organizer: Chiang Mai University.
Speakers: W. A. Kirk, R. Bruck, K. Goebel, B. Sims, T. Dominguez-Benavides, W. Takahashi, S. Prus, J. Garcia-Falset, etc.
Information: http://math.science.cmu.ac.th/ICFPTA2007/.

23–December 21 **Strong Fields, Integrability and Strings**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK. (Nov. 2005, p. 1264)
Organizers: Dr S. Hands (Swansea), Dr N. MacKay (York) and Professor P. van Baal (Leiden).
Information: http://www.newton.cam.ac.uk/programmes/SIS/.

31–August 3 **First Joint International Meeting between the AMS and the Polish Mathematical Society**, Warsaw, Poland. (Jun/Jul. 2006, p. 714)
Information: http://www.ams.org/amsmtgs/internmtgs.html

August 2007

3–6 **First Announcement ACA'2007: 13th International Conference on Applications of Computer Algebra**, Oakland University, Rochester, Michigan. (Feb. 2006, p. 287)
Conference Theme: The ACA series of conferences is devoted to promoting the applications and development of Computer Algebra and Symbolic Computation. Topics include Computer Algebra and Symbolic Computation in engineering, the sciences, medicine, pure and applied mathematics, education, communication and computer science.
General Chairs: Tony Shaska, Erich Kaltofen, Jaime Gutierrez, Alexander Hulpke.
Program Chair: Tony Shaska.
Organizing Committee: Stanly Steinberg, Michael Wester.
Important Dates: May 15, 2007: Deadline to submit an application for financial support. June 15, 2007: Notification of decisions for financial support. June 15, 2007: Deadline for early registration. July 15, 2007: Deadline for regular registration. August 3-6, 2007 Conference
Information: Contact: shaska@oakland.edu; http://www.oakland.edu/~shaska/aca07.html.

September 2007

3–December 21 **Phylogenetics**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK. (Nov. 2006, p. 1264)
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/.

7–13 **9th International Conference of The Mathematics Education into the 21st Century Project**, Charlotte, North Carolina. (Apr. 2006, p. 498)
Preliminary Announcement and Call for Papers: The Mathematics Education into the 21st Century Project has just completed its eighth successful international conference in Malaysia, following conferences in Egypt, Jordan, Poland, Australia, Sicily, Czech Republic and Poland. Our project was founded in 1986 and is

dedicated to the planning, writing and disseminating of innovative ideas and materials in Mathematics and Statistics Education.
Organizer: David K. Pugalee (chairman), of the University of North Carolina Charlotte.
Information: email: arogerson@inetia.pl.

10–14 **High-order methods for computational wave propagation and scattering**, AIM Research Conference Center, Palo Alto, California. (Aug. 2006, p. 824)
Description: This workshop, sponsored by AIM and the NSF, will address numerical methods for wave propagation with a focus on high-order convergence for general scattering configurations. The workshop will have an emphasis on spectral methods concerning the following topics: High frequency approximations, Geometric singularities, and Generalized impedance boundary conditions.
Organizers: Oscar P. Bruno and Rainer Kress.
Deadline: June 1, 2007.
Information: Visit http://aimath.org/ARCC/workshops/wavescattering.html.

October 2007

8–12 **Dichotomy Amenable/Nonamenable in Combinatorial Group Theory**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2006, p. 714)
Organizers: Mark Sapir and Tatiana Nagnibeda.
Description: This workshop, sponsored by AIM and the NSF, will be devoted to various incarnations of the notion of amenability for a finitely generated group. The main goal of the workshop is to gain better understanding of the meaning of being amenable or nonamenable for a discrete, finitely generated group. Our attention will be concentrated on a certain number of concrete open problems about (non)amenability of groups with origins in very different areas of mathematics, as described on the workshop announcement page.
Deadline: June 20, 2007.
Details:http://aimath.org/ARCC/workshops/nonamenable.html.

13–14 **AMS Western Section Meeting**, University of New Mexico, Albuquerque, New Mexico. (Jun/Jul. 2006, p. 714)
Information: http://www.ams.org/amsmtgs/sectional.html

November 2007

3–4 **AMS Southeastern Section Meeting**, Middle Tennessee State University, Murfreesboro, Tennessee. (Jun/Jul. 2006, p. 714)
Information: http://www.ams.org/amsmtgs/sectional.html

December 2007

12–15 **First Joint International Meeting between the AMS and the New Zealand Mathematical Society (NZMS)** (Jun/Jul. 2006, p. 714), Wellington, New Zealand.
Information: http://www.ams.org/amsmtgs/internmtgs.html

January 2008

7–June 27 **Statistical Theory and Methods for Complex, High-Dimensional Data**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Jun/Jul. 2006, p. 714)
Programme Theme: Most of twentieth-century statistical theory was restricted to problems in which the number p of 'unknowns', such as parameters, is much less than n, the number of experimental units. However, the practical environment has changed dramatically over the last twenty years or so, with the spectacular evolution of computing facilities and the emergence of applications in which the number of experimental units is comparatively small but the underlying dimension is massive, leading to the desire to fit complex models for which the effective p is very large. The existence of key applications strongly motivates the programme, but the fundamental aim is to promote core theoretical and methodological research. Both frequentist and Bayesian paradigms will be featured.
Organizers: D. Banks (Duke), P. Bickel (UC Berkeley), P. Hall (Australian National), I. M. Johnstone (Stanford), D. M. Titterington (Glasgow), S. van de Geer (Zurich).
Information: http://www.newton.cam.ac.uk/programmes/SCH/. Isaac Newton Institute for Mathematical Sciences, 20 Clarkson Road, Cambridge, CB3 0EH, U.K. Tel.: +44-1223-335999, Fax.: +44-1223-330508, email: info@newton.cam.ac.uk.

July 2008

14–December 19 **Mathematics and Physics of Anderson Localization: 50 Years After**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Jun/Jul. 2006, p. 714)
Programme Theme: In his seminal paper "Absence of diffusion in certain random lattices" (1958) Philip W. Anderson discovered one of the most striking quantum interference phenomena: particle localization due to disorder. In the last 25 years the phenomenon of localization proved to be crucial for the understanding of the Quantum Hall Effect, mesoscopic fluctuations in small conductors as well as some aspects of quantum chaotic behavior. The goal of the program is to bring together the world leaders in spectral theory of random Schrödinger operators and theoretical physicists successfully working on the problem of Anderson localization.
Organizers: Y. V. Fyodorov (Nottingham), I. Goldshied (Queen Mary, London), T. Spencer (Princeton), M. R. Zirnbauer (Cologne).
Information: http://www.newton.cam.ac.uk/programmes/MPA/. Isaac Newton Institute for Mathematical Sciences, 20 Clarkson Road, Cambridge, CB3 0EH, U.K. Tel.: +44-1223-335999, Fax.: +44-1223-330508; email: info@newton.cam.ac.uk.

August 2008

26–December 19 **The Nature of High Reynolds Number Turbulence**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Jun/Jul. 2006, p. 714)
Programme Theme: Turbulence is a notoriously difficult subject. The goal of this programme is to bring together leading experts from across the world to debate the fundamental questions. The discussion will be wide ranging, from the initiation of turbulence through to its asymptotic state at high Reynolds number, including the effects of rotation and stratification, and the addition of different phases, such as bubbles, particles and polymers.
Organisers: P. Bartello (McGill), P. A. Davidson (Cambridge), D. Dritschel (St. Andrews), Y. Kaneda (Nagoya), R. Kerswell (Bristol).
Information: http://www.newton.cam.ac.uk/programmes/HRT/. Isaac Newton Institute for Mathematical Sciences, 20 Clarkson Road, Cambridge, CB3 0EH, U.K. Tel.: +44-1223-335999, Fax.: +44-1223-330508, email: info@newton.cam.ac.uk .

September 2008

12–18 **Models in Developing Mathematics Education**, Dresden University of Applied Sciences, Dresden, Germany. (Apr. 2006, p. 498)
Description: 10th International Conference of The Mathematics Education into the 21st Century Project Our project was founded in 1986 and is dedicated to the planning, writing and disseminating of innovative ideas and materials in Mathematics and Statistics Education.
Program: Papers are invited on all innovative aspects of mathematics education. There will be an additional social programme for accompanying persons. Our conferences are renowned for their friendly and productive working atmosphere. They are attended by innovative teachers and mathematics educators from all over the world, 25 countries were represented at our last conference for example!
Information: email: arogerson@inetia.pl.