Mathematics Calendar

The most comprehensive and up-to-date Mathematics Calendar information is available on the AMS website at `http://www.ams.org/mathcal/`.

September 2007

3-6 38th Annual Iranian Mathematics Conference, Zanjan University, Zanjan, Iran. (Jun/Jul 2007, p. 778)
Scientific Committee: F. Mirzapour (The head of conference), f.mirza@mail.znu.ac.ir; M. T. Dastjerdi (The head of scientific committee of conference), tdast@yahoo.com; E. S. Mahmoodian, emahmood@sharif.edu; M. Adib, madib@mail.znu.ac.ir; M. Ariannejad, m_ariannejad@yahoo.com; M. Emami, emami@mail.znu.ac.ir; J. Malaki, j.malaki@mail.znu.ac.ir; H. Mohebi, hmohbei@mail.uk.ac.ir; A. Rasooli, rasooli@yahoo.com; Sh.Rezapour, sh.rezapour@azaruni.ac.ir; S. Salehipourmehr, saeed@iasbs.ac.ir; S. Varsaie, varsaie@iasbs.ac.ir; R. Zarenahandi, rashidzn@iasbs.ir.
Information: Contact: 6-Kilometer of Tabriz Road, Zanjan, IRAN, Zanjan University Po Box: 313; Tel: (+98) 0241 5152681; Fax: (+98) 0241 5152514; aimc38@znu.ac.ir; http://aimc38.znu.ac.

3-7 Algebraic and Arithmetic Structures of Moduli Spaces, Hokkaido University, Sapporo, Japan. (Jun/Jul 2007, p. 778)
Organizers: Iku Nakamura (Hokkaido University) and Lin Weng (Kyushu University).
Fee: No registration fee is required.
Information and Contact: `http://coe.math.sci.hokudai.ac.jp/sympo/moduli2007/`; cri@math.sci.hokudai.ac.jp.

3-7 Conference in Numerical Analysis 2007 (NumAn 2007): Recent Approaches To Numerical Analysis: Theory, Methods and Applications, Kalamata, Greece. (May 2007, p. 665)
Overview: NumAn provides an opportunity to learn of new developments and to present original research results in all areas of Numerical Analysis such as Theory, Methods and Applications.

Call for Papers: Further information is available at: `http://www.elsevier.com/wps/find/journaldescription.cws_home/505613/authorinstructions/`.To submit a paper, send an email to: numan2007@math.upatras.gr.
Important Dates: Submission of abstracts: March 31, 2007. Notification of acceptance: April 30, 2007. Full versions of the accepted presentations to be included in the Proceedings of the Conference: May 31, 2007.
Financial Support: Some financial support will be available from the conference, to cover expenses of graduate students and post-doctoral fellows. Applications should be sent electronically to the conference e-mail address: numan2007@math.upatras.gr.
Information: Contact: email: numan2007@math.upatras.gr; `http://www.math.upatras.gr/numan2007/`.

3-7 Some Trends in Algebra '07, Czech University of Agriculture, Prague, Czech Republic. (Aug. 2007, p. 917)
Program: The topics include various aspects of module theory. The main focus is on category theoretic, homological, set theoretic and model theoretic methods.
Organizers: Department of Algebra, Charles University in Prague, Department of Mathematics, Czech Agricultural University.
Information: `http://www.karlin.mff.cuni.cz/katedry/ka/sta07.htm`.

3-7 The Riemann-Hilbert Problem and Toeplitz Operators, Heriot Watt University, Edinburgh, Scotland. (May 2007, p. 665)
Organizer: International Centre for Mathematical Sciences.
Information: `http://www.icms.org.uk/workshops/toepop/`.

3-14 Epidemiology & Control of Infectious Diseases: Introduc-

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This section contains announcements of meetings and conferences of interest to some segment of the mathematical public, including ad hoc, local, or regional meetings, and meetings and symposia devoted to specialized topics, as well as announcements of regularly scheduled meetings of national or international mathematical organizations. A complete list of meetings of the Society can be found on the last page of each issue.

An announcement will be published in the *Notices* if it contains a call for papers and specifies the place, date, subject (when applicable), and the speakers; a second announcement will be published only if there are changes or necessary additional information. Once an announcement has appeared, the event will be briefly noted in every third issue until it has been held and a reference will be given in parentheses to the month, year, and page of the issue in which the complete information appeared. Asterisks (*) mark those announcements containing new or revised information.

In general, announcements of meetings and conferences held in North America carry only the date, title of meeting, place of meeting, names of speakers (or sometimes a general statement on the program), deadlines for abstracts or contributed papers, and source of further information. Meetings held outside the North American area may carry more detailed information. In any case, if there is any application deadline with respect to participation in the meeting, this fact should be noted. All communications on meetings and conferences in the mathematical sciences should be sent to the Editor of the *Notices* in care of the American Mathematical Society in Providence or electronically to notices@ams.org 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/`.

tion to mathematical models of global and emerging infections, Imperial College, London, England. (Apr. 2007, p. 559)

Description: Our understanding of infectious-disease epidemiology and control has been greatly increased through mathematical modelling. Insights from this increasingly-important and exciting field are now informing policymaking at the highest levels, for pandemic influenza, SARS, HIV/AIDS, TB, malaria, foot-and-mouth disease and other infections. Participants need only a basic mathematical ability (high school level is more than sufficient): most course participants do not use maths regularly, and calculation is done using Excel and the user-friendly modelling package, Berkeley Madonna; hence manipulation of equations is not required. We offer an optional 'maths refresher' day on Sunday 2 September, free of charge.

Information: For further details visit the course website: `http://www.imperial.ac.uk/cpd/epidemiology/` which includes full information on how to apply for the course or contact Ulrika Wernmark, Centre for Professional Development, Imperial College London, South Kensington Campus, London SW7 2AZ, Tel: +44 (0)20 7594 6886.

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

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

Information: `http://www.newton.cam.ac.uk/programmes/PLG/`.

4–6 International Conference on Mathematical Biology 2007 (ICMB07), Universiti Putra Malaysia, Serdang, Malaysia. (Nov. 2006, p. 1253)

Call for Paper: (`http://www.inform.upm.edu.my/icbm07/`).

Talks: Prospective authors are invited to submit extended summaries of no more than four (4) pages including results, figures and references. Paper will be accepted only by electronic submission via email to icmb07@inform.upm.edu.my . Prospective authors are expected to present their paper at the conference. Authors without Internet access should contact us well before the submission deadline.

Submission Deadlines: Submission of extended summaries: January 15, 2007. Notification of acceptance: April 16, 2007. Submission of full paper: May 14, 2007.

Topics of Interest: Topics of interest for submission include, but are not limited to: Biofluids, cell biology, physiology, neurobiology and behaviour, development, ecology, population biology, genetics and evolution, epidemiology, immunology, molecular biology, DNA and protein structure and function, bio-informatics and biometrics.

Registration Fees: The conference fees are as follows: Participant : USD $200.00. Accompanying person : USD $50.00. Student : USD $50.00.

Information: `http://www.inform.upm.edu.my/icbm07/`.

* **4–7 Numerical Analysis: Multiscale methods, adaptivity and complexity**, University of Bath, United Kingdom.

Themes: Numerical analysis for multiscale problems, Stochastic and high-dimensional problems, Adaptive methods, Inverse problems and applications, Numerical methods for wave propogation problems.

Speakers: H. Ammari (Ecole Polytechnique, Paris), D. Bird (Bath), M. Burger (Muenster), S. N. Chandler-Wilde (Reading), M. Cullen (UK Met. Office), W. Dahmen (Aachen), C. M. Elliott (Sussex), T.-Y. Hou (Caltech), W. Huang (Kansas), P. K. Jimack (Leeds), I. G. Kevrekidis (Princeton), M. Kirkilionis (Warwick), C. N. Mitchell (Bath), R. Potthast (Reading), C. Reisinger (Oxford), C. Schwab (ETH, Zurich), V. P. Smyshlyaev (Bath), I. H. Sloan (New South Wales), E. Suli (Oxford), R. Tempone (Florida).

Information: Scientific enquiries: I. G. Graham; email: `I.G.Graham@bath.ac.uk` or R. Scheichl; email: `R.Scheichl@bath.ac.uk`. Administrative enquiries: A. D. Linfield; email: `bics@maths.bath.ac.uk`; `http://www.bath.ac.uk/math-sci/BICS/nammac/`.

4–8 Potential Theory and Stochastics, Albac, Romania. (May 2007, p. 665)

Dedicated: To the memory of Aurel Cornea.

Organizers: Simion Stoilow, Institute of Mathematics of the Romanian Academy, University of Alba Iulia and University of Pitesti.

Main speakers: H. Aikawa (Hokkaido) [to be confirmed], D. Bakry (Toulouse), A. Bendikov (Wroclav), H.-P. Blatt (Eichstaett), J. Bliedtner (Frankfurt), K. El Mabrouk (Monastir), S.-L. Eriksson (Tampere), D. Feyel (Evry), B. Fuglede (Copenhagen), M. Fukushima (Osaka), S. Gardiner (Dublin), J. Glover (Gainesville), K. GowriSankaran (Montreal), W. Hansen (Bielefeld), N. Jacob (Swensa), K. Janssen (Duesseldorf), K. Kuwae (Kumamoto), A. de La Pradelle (Paris), J. Lukes (Prague), T. Lyons (Oxford)[to be confirmed], Z.-M. Ma (Beijing), H. Maagli (Tunis), I. Netuka (Prague), M. Rao (Gainesville), M. Roeckner (Bielefeld), W. Stannat (Darmstadt), J. Vesely (Prague) [to be confirmed].

Information: `http://www.imar.ro/~purice/conferences/afis-albac.pdf/`; email: `lucian.beznea@imar.ro`.

* **5–8 XVI International Fall Workshop on Geometry and Physics**, IST, Lisbon, Portugal.

Program: Minicourses, Ana Cannas da Silva on "4-Manifolds (Symplectic or Not)", and Fernando Barbero on "Quantum Geometry and Quantum Gravity", plus invited speakers, contributed talks and posters.

Deadlines: Deadline for abstracts of contributed talks and posters: June 27, 2007. Deadline for registration: July 25, 2007.

Information: `http://www.math.ist.utl.pt/IFWGP/`.

* **6–9 Advances in Scientific Computing**, The University of Chicago, Chicago, Illinois.

Description: In honor of Todd Dupont's 65th birthday.

Themes: The conference is organized around four themes: Interface computation, reduced dimension models, inverse problems and optimization, and reliable computation.

Information: For more information (including confirmed speakers, registration, travel and housing details), please see: `http://www.ci.uchicago.edu/events/ASC2007/`.

7–9 Geometry, Rigidity, and Group Actions: A Conference in Honor of Robert J. Zimmer's 60th Birthday, University of Chicago, Illinois. (Jun/Jul 2007, p. 778)

Speakers: David Fisher (Indiana University), Alex Furman (University of Illinois, Chicago), Anatole Katok (Pennsylvania State University), Alexander Lubotzky (Hebrew University, Israel), Gregory Margulis (Yale University), Amos Nevo (Technion, Israel), Leonid Polterovich (Tel Aviv University, Israel), Sorin Popa (University of California, Los Angeles), Yehuda Shalom (Tel Aviv University, Israel), and Shmuel Weinberger (University of Chicago).

Schedule: The conference will begin Friday morning, and end before noon on Sunday. Talks will be 45 minutes in length, and limited in number, to allow time for informal discussions. On Sunday afternoon, after the conference, there will be a workshop for young researchers to give a short talk on their work.

Organizers: Benson Farb (University of Chicago), David Fisher (Indiana University), Dave Witte Morris (University of Lethbridge), and Ralf Spatzier (University of Michigan).

Information: `http://www.math.uchicago.edu/zimmer60/`.

7–11 KIAS Conference on Geometric Analysis, KIAS, Seoul, Korea. (Apr. 2007, p. 559)

Topics: Minimal surfaces, Constant mean curvature surfaces, Lagrangian submanifolds, Isoperimetric problems, Geometric measure theory, Geometric analysis and PDE's.

Organizers: Jaigyoung Choe (KIAS) and Richard Schoen (Stanford).

Invited Speakers: Richard Schoen (Stanford), Robert Hardt (Rice), Motoko Kotani (Tohoku), Conan Leung (CUHK), Rafe Mazzeo (Stanford), Michael Wolf (Rice), Jon Wolfson (Michigan State), and more to be invited.

Information: `http://newton.kias.re.kr/~choe/cga.html`.

7–13 **9th International Conference of The Mathematics Education into the 21st Century Project**, Charlotte, North Carolina. (Apr. 2007, 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`.

***8–16** **Variational Analysis and Aerospace Engineering**, Erice (Sicily), Italy.

Information: For further details about the meeting see the web page: `http://www2.ing.unipi.it/~o24401/Workshop%20Erice/Home.html`.

9–10 **SHARCS'07: Special-purpose Hardware for Attacking Cryptographic Systems**, Vienna Marriott Hotel, Vienna, Austria. (Mar. 2007, p. 439)

Deadline: Submission deadline: June 15.

Information: Please consult the workshop's webpage `http://www.sharcs.org` for details.

10–11 **Journées Jean-Yves Girard, Conference in Honour of his 60th Birthday**, Institut Henri Poincaré, Paris, France. (May 2007, p. 665)

Program: Through our choice of invited speakers, we hope to illustrate the wide range of scientific interests of Jean-Yves Girard over thirty-five years, from the complexity of proofs to quantum mechanics, from system F to the geometry of computation, from denotational semantics to Von Neumann algebras.

Organizers: Michele Abrusci (Roma III), Pierre-Louis Curien (CNRS - Paris 7, chair), Martin Hyland (Cambridge), Giuseppe Longo (ENS, Paris), Mitsu Okada (Keio Univ., Tokyo), Phil Scott (Univ. of Ottawa), Jacqueline Vauzeilles (Paris 13, co-chair).

Speakers: Patrick Dehornoy, Gerard Huet, Herman Jervell Yves Lafont, Olivier Laurent, Thierry Paul Peter Selinger, Glynn Winskel.

Information: `http://www-lipn.univ-paris13.fr/jyg60/`.

10–14 **1st IMACS International Conference on Computational Biomechanics and Biology ICCBB 2007**, University of West Bohemia, Pilsen, Czech Republic. (Jun/Jul 2007, p. 778)

Scientific topics: The conference, under the auspices of IMACS, will be devoted to certain problems in biomechanical, biological, medical modelling, and mathematical methods for their solutions. The conference features a number of invited scientific sessions in the following areas: Soft tissue and muscular mechanics, Bone and dental mechanics, Cardiovascular mechanics, Micro-circular and respiratory systems, Cellular and molecular mechanics, Tissue engineering, biomaterials, Biotransport and multi-field problems, Organ biomechanics and fluid-structure interaction, Impact and injury biomechanics, sport biomechanics, Orthopedics and implant modelling, Muscle-skeletal systems and performance, Computational biomechanics and large simulations, Imaging and computer assisted surgery, Biological, biomechanical and medical modelling.

Information: `http://www.iccbb.zcu.cz`.

10–14 **5th Symposium on Nonlinear Analysis**, Nicolaus Copernicus University, Torun, Poland. (Apr. 2007, p. 559)

Scientific Committee: Lech Górniewicz (chair), Jan Andres, Jurgen Appell, Thomas Bartsch, Kazimierz Goebel, Russel Johnson Wojciech Kryszewski, Wacaw Marzantowicz, Jean Mawhin Paolo Nistri, Zbigniew Peradzyñski, Krzysztof Rybakowski Roman Srzednicki, Andrzej Szulkin, Andrzej Wieczorek.

Topics: Topics in the topological and metric fixed point theory, Topological and variational methods in nonlinear analysis, Quali-

tiative theory of ordinary and partial differential equations and inclusions, Nonsmooth and convex analysis, Critical point theory, Optimal control theory, Applications.

Information: `http://www-users.mat.uni.torun.pl/~sna2007/`; email: `sna2007@mat.uni.torun.pl`.

10–14 **11th Workshop on Well-Posedness of Optimization Problems and Related Topics**, University of Alicante, Alicante, Spain. (Jun/Jul 2007, p. 778)

Description: The Workshop started in 1987 in Milan, Italy, as a small meeting between Bulgarian and Italian groups working on the subject: Well-Posedness of Optimization Problems and Related Topics. A Summer School on "Stability and Well-Posedness in Convex Optimization" will be held parallel to the workshop.

Topics: Well-posedness and stability of optimization models and problems in calculus of variations, optimal control and mathematical programming; Hadamard, Tykhonov and similar type of concepts of well-posedness; topological aspects of well-posedness, with applications to special classes of optimization problems; game theory and equilibrium; variational principles; well-posedness concepts for vector optimization problems; regularization techniques for ill-posed problems; stability in stochastic optimization; applications to the performance analysis of numerical optimization methods and their stable behavior under perturbations; critical point theory.

Deadline: For abstracts: April 16, 2007.

Information: `http://www.eio.ua.es/congreso/index.html`.

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`.

10–15 **10th Quantum Mathematics International Conference: QMath10**, Moeciu, Romania. (Apr. 2007, p. 560)

Workshop Topics: Scroedinger Operators & Inverse Scattering, Random Schroedinger Operators & Random Matrices, Quantum Field Theory & Relativistic Quantum Mechanics, Condensed Matter & Open Systems, Pseudodifferential Operators & Semiclassical Analysis, Quantum Information.

Scientific Committee: Yosi Avron (Haifa), Pavel Exner (Prague), Bernard Helffer (Paris), Ari Laptev (Stockholm), Gheorghe Nenciu (Bucharest), Heinz Siedentop (Muenchen).

Organizers: The SPECT Program of ESF: The Institute of Mathematics "Simion Stoilow" of the Romanian Academy.

Plenary Speakers: M. Esteban, F. Germinet, G.M. Graf, Ch. Hainzl, A. Joye, R. Killip, M. Loss, Ch. Maes, S. Popescu, R. Purice, P. Seba, R. Seiringer, S. Serfaty, R. Wedder, M. Zworski.

Information: Contact: `Radu.Purice@imar.ro`; tel: +40-21-319.65.09; Institute of Mathematics "Simion Stoilow" of the Romanian Academy; P. O. Box 1-764, RO-014700 Bucharest; `http://www.imar.ro/~purice/QM10/QM10.html`.

10–15 **International Conference on Nonlinear Partial Differential Equations dedicated to the memory of Igor V. Skrypnik**, NPDE2007, Yalta, Crimea, Ukraine. (Feb. 2007, p. 307)

Preliminary List of Main Speakers: V. Barbu, M. Bidaut-Veron, M. Biroli, L. Boccardo, M. Chipot, E. Feireisl, M. Fila, A. G. Kartsatos, R. Kersner, V. A. Kondratiev, A. Kufner, V. Liskevich, H. Matano, N. Mizoguchi, M. Marcus, F. Murat, S. I. Pokhozhaev, V. V. Pukhnachev,

E. V. Radkevich, J. Rehberg, V. A. Solonnikov, P. Souganidis, L. Veron, E. Yanagida, V. V. Zhikov.
Information: email: NPDE2007@iamm.ac.donetsk.ua; http://iamm.ac.donetsk.ua/conferences/npde2007.html.

10–15 School (and Workshop) on the Geometry of Special Varieties, Fondazione Bruno Kessler-IRST, Povo, Trento, Italy. (Jun/Jul 2007, p. 779)
Information: The School is mainly aimed at Ph.D. students and young researchers in Algebraic Geometry, introducing the participants to research, beginning from a basic level with a view towards the applications and to the most recent results. A tentative program is as follows: Secant and defective varieties; Classification of varieties with extremal tangential properties; Degeneration of varieties (expecially of toric varieties); Degeneration of maps (expecially of projections); Applications to the study of secant varieties; Toric degeneration; Tropical geometry. The Workshop is intended to discuss the state of the art.
Lecturers: C. Ciliberto (University of Roma II) and F. Russo (Universidade Federal de Pernambuco). Speakers in the workshop: M. Andreatta (University Trento), L. Badescu (University Genova), L. Chiantini (University Siena), K. Ranestad (University Oslo).
Registration Deadline: June 30, 2007 (for researchers asking a financial grant) and July 20, 2007 (for other participants).
Information: http://www.science.unitn.it/cirm/; A. Micheletti, Secretary of CIRM, Fondazione Bruno Kessler, Via Sommarive 14, I-38050 Povo (Trento), Italy. email: michelet@science.unitn.it, Tel. +39-0461-881628, Fax +39-0461-810629.

10–December 14 Mathematics of Knowledge and Search Engines (Long Program), UCLA, Los Angeles, California. (May 2007, p. 665)
Scientific Overview: This long program at IPAM will be devoted to new mathematics and methodologies of knowledge engines: the mathematical procedures used to extract knowledge from large databases. While this includes topics related to search engines it is mainly devoted to the more general problem of finding features in a database or using defined features to search within a database.
Activities: There will be an active program of research activities, seminars and workshops throughout the period and core participants will be in residence at IPAM continuously for these fourteen weeks. The program will open with tutorials, and will be punctuated by four major workshops and a culminating workshop at UCLA's Lake Arrowhead Conference Center. Several distinguished senior researchers will be in residence for the entire period. Between the workshops there will be a program of activities involving long-term and short-term participants, as well as visitors.
Application: Please apply online to request financial support to attend and participate for extended periods up to the entire length of the program. Applications for individual workshops are separate and will be posted on individual workshop home pages. For the fullest consideration we urge you to apply as early as possible but no later than August 1, 2007. Successful applicants will be notified as soon as funding decisions are made. We have funding to support the attendance of recent Ph.D.'s, graduate students, and researchers in the early stages of their career. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM's mission and we welcome their applications.
Information: The application and more information is available at http://www.ipam.ucla.edu/programs/se2007/.

11–14 Fall 2007 Workshop for Young Researchers in Mathematical Biology (WYRMB), Columbus, Ohio. (May 2007, p. 665)
Information: http://www.mbi.ohio-state.edu/postdocworkshop/fwyrmb2007.html

11–15 CSL07: 16th EACSL Annual Conference on Computer Science and Logic, Lausanne, Switzerland. (Feb. 2007, p. 308)
Important Dates: Paper Registration Deadline (with short abstracts): April 2, 2007. Paper Submission Deadline: April 9, 2007. Author

Notification: May 21, 2007. Final Versions for the Proceedings: June 18, 2007. Conference: September 11-15, 2007.
Information: http://www2.unil.ch/csl07/.

13–14 IMA Tutorial: Mathematics of Nucleic Acids, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1380)
Organizers: Wilma Olson (Rutgers University), David Swigon (University of Pittsburgh).
Information: Institute for Mathematics and its Applications, University of Minnesota, 400 Lind Hall, 207 Church St. SE, Minneapolis, MN 55455. Phone: 612-624-6066; email: visit@ima.umn.edu; http://www.ima.umn.edu/2007-2008/T9.13-14.07/.

*14–17 BALCOR 2007 8th Balkan Conference on Operational Research, University of Belgrade, Belgrade-Zlatibor, Serbia.
Topics: Continuous Optimisation & Control; DEA and Performance Measurement; Data Mining & Knowledge Discovery; Decision Analysis & Decision Support Systems; Discrete Optimisation, Graphs & Networks, Scheduling; Financial Modelling & Risk Managemen; Fuzzy Sets & Expert Systems; Game Theory & Mathematical Economics; Logistics & Transportation & Traffic; Metaheuristics, Multiple Criteria Decision Making and Optimisation; Operational Research Applications: Agriculture- Forestry, Education, History, Ethics Health & Life Sciences, Industries, Environmental Management, Revenue Management; Simulation & Stochastic Programming and Modelling; Software for OR/Modelling Languages.
Information: email: andreea_madalina_s@yahoo.com.

*15–16 Great Lakes Geometry Conference, University of Minnesota, Minneapolis, Minnesota.
Confirmed speakers (partial list): Jun Li, Stanford University; Ciprian Manolescu, Columbia University; Davesh Maulik, Princeton University; Yong-Geun Oh, University of Wisconsin; Aleksey Zinger, SUNY Stony Brook.
Organizers: Bob Gulliver, Tian-Jun Li and Yongbin Ruan.
Financial Assistance: Preference for younger scientists. Send email to glgc07@umn.edu. Women and minorities are especially encouraged to apply.
Information: http://math.umn.edu/glgc/.

16–19 Mathematical Neuroscience, Centre de recherches mathématiques, Université de Montréal, Montréal, Canada. (Jun/Jul 2007, p. 779)
Goal: The goal of this workshop is to provide an overview of the current state of research in mathematical approaches to neuroscience. This workshop will not be preceded by a mini-course. Graduate students and early career scientists seeking further preparation before attending this workshop might consider the computational Neuroscience Summer School in Ottawa in June 2007.
Organizers: S. Coombes (Nottingham), A. Longtin (Ottawa), J. Rubin (Pittsburgh).
Information: http://www.crm.math.ca/Dynamics2007/.

16–20 International Conference of Numerical Analysis and Applied Mathematics 2007 (ICNAAM 2007), Corfu, Greece. (Mar. 2007, p. 440)
Invited Speakers: Carl R. de Boor, Department of Computer Sciences and Department of Mathematics, University of Wisconsin-Madison, USA; C. W. Gear (Bill), Senior Scientists, Chemical Engineering, Princeton University (zero-time appointment), Emeritus President, NEC Research Institute, Emeritus Professor, Department of Computer Science, University of Illinois at Urbana-Champaign, USA; Mariano Gasca, Depto. Matematica Aplicada, Fac. Ciencias, Universidad de Zaragoza, 50009 Zaragoza, Spain; G. Alistair Watson, University of Dundee, Division of Mathematics, Dundee DD1 4HN, Scotland.
Leaflets and Posters: If you want leaflets and posters for ICNAAM 2007, please send your request to: tsimos@mail.ariadne-t.gr (with a carbon copy to: tsimos.conf@gmail.com).

Information: `http://www.icnaam.org/`.

*16–21 **Profinite and Asymptotic Group Theory**, Grand Hotel Bellavista, Levico Terme, Trento, Italy.
Description: A CIRM-Clay Conference on the occasion of the 60th birthday of Professor Dan Segal.
Scientific Organizers: Andrea Caranti (Trento), David A. Ellwood (Clay), Willem de Graaf (Trento), Fritz Grunewald (Duesseldorf), Marcus du Sautoy (Oxford).
Registration deadline: August 10, 2007.
Information:`http://science.unitn.it/~caranti/Conferences/PAGT2007/`.
Information: A. Micheletti, Secretary of CIRM, Fondazione Bruno Kessler, Via Sommarive 14, I-38050 POVO (Trento), Italy; email: `michelet@science.unitn.it`; tel.: +39-0461-881628; fax: +39-0461-810629.

17–20 **Fourth International Workshop on Meshfree Methods for Partial Differential Equations**, Universitaet Bonn, Bonn, Germany. (Mar. 2007, p. 440)
Aim: To promote collaboration among engineers, mathematicians, and computer scientists and industrial researchers to address the development, mathematical analysis, and application of meshfree and particle methods especially to multiscale phenomena.
Topics: While contributions in all aspects of meshfree methods are invited, some of the key topics to be featured are Coupling of meshfree methods, finite element methods, particle methods, and finite difference methods; Coupling of multiple scales, e.g. continuum models to discrete models; Application of meshfree, generalized finite element methods; Parallel computation in meshfree methods; Mathematical theory of meshfree, generalized finite element, and particle methods; Fast and stable domain integration methods; Enhanced treatment of boundary conditions; Identification and characterization of problems where meshfree methods have clear advantage over classical approaches.
Deadlines: If you are interested in contributing to this workshop, please submit an abstract of about 300 words (preferably in LaTeX format) by e-mail to the contact address `meshfree@ins.uni-bonn.de` by May 1, 2007. Confirmation and Program: August 1, 2007.
Information: `http://wissrech.ins.uni-bonn.de/meshfree`.

17–21 **13th Czech-French-German Conference on Optimization**, University of Heidelberg, Heidelberg, Germany. (Feb. 2007, p. 308)
Topics: Continuous optimization (smooth and nonsmooth), numerical methods for mathematical programming, optimal control and calculus of variations, robust optimization, mixed integer optimization, optimization with PDE, differential inclusions and set-valued analysis, stochastic optimization, multicriteria optimization, optimization techniques for industrial applications.
Plenary Speakers: Guillaume Carlier (Paris Dauphine), Roger Fletcher (University of Dundee), Roland Griesse (Austrian Academy of Sciences), Pierre Maréchal (UPS Toulouse), Alexander Martin (TU Darmstadt), David Preiss (University College London), Carsten Scherer (TU Delft), Zdenek Strakos (Czech Academy of Sciences), Emmanuel Trélat (Université d'Orléans), Michael Valáuek (Czech Technical University), Luís Nunes Vicente (Universidade de Coimbra), Andreas Wächter (IBM, Yorktown Heights), Andrea Walther (TU Dresden).
Deadlines: Conference: September 17-21, 2007. Talk abstract submission: March 31, 2007.
Information: `http://cfg07.uni-hd.de`; `http://www.iwr.uni-heidelberg.de/groups/agbock/CONFERENCES/2007/CFG/index.php?l=en`.

17–21 **IMA Workshop: Mathematics and Biology of Nucleic Acids**, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1380)
Organizers: Stephen Harvey (Georgia Institute of Technology), Wilma Olson (Rutgers University), De Witt Sumners (Florida State University), David Swigon (University of Pittsburgh).
Information: Institute for Mathematics and its Applications, University of Minnesota, 400 Lind Hall, 207 Church St. SE, Minneapolis, MN 55455. Phone: 612-624-6066; email: `visit@ima.umn.edu`;`http://www.ima.umn.edu/2007-2008/W9.17-21.07/`.

17–21 **Manifolds with nonnegative sectional curvature**, American Institute of Mathematics, Palo Alto, California. (May 2007, p. 665)
Description: This workshop, sponsored by AIM and the NSF, will be devoted to manifolds with nonnegative and positive curvature. Significant progress has been made recently following a program suggested by K. Grove that one should study this condition under the presence of a large isometry group. The workshop will consider various special cases, with significant time spent working on problems.
Organizers: Kristopher Tapp and Wolfgang Ziller.
Deadline: May 15, 2007.
Information: `http://aimath.org/ARCC/workshops/nnsectcurvature.html`.

17–21 **SECURECOMM 2007: Third International Conference on Security and Privacy for Communication Networks**, Nice, France. (May 2007, p. 665)
Information: For information regarding the conference, please visit: `http://www.securecomm.org/`.

17–21 **Summer School on "New Trends and Directions in Harmonic Analysis, Approximation Theory, and Image Analysis"**, Inzell, Germany. (Jun/Jul 2007, p. 779)
Aims and Scope: The workshop is intended to bring together leading international scientists and young researchers from different facets of harmonic analysis, approximation theory and signal and image analysis to present their latest cutting-edge research and to establish new and exciting directions for future investigations.
Organizers: Brigitte Forster-Heinlein, Peter Massopust, and Rupert Lasser Centre of Mathematical Sciences, Technische Universität München, Garching, Germany, and Institute for Biomathematics and Biometry, GSF National Research Centre for Environment and Health, Neuherberg, Germany. The Summer School partially financed by means of the Marie Curie Excellence Team MAMEBIA funded by the European Commission.
Invited Plenary Speakers: John Benedetto (University of Maryland), Ole Christensen (Technical University of Denmark), Karlheinz Gröchenig (University of Vienna), Michael Unser (École Polytechnique Fédérale de Lausanne), Guido Weiss (Washington University, St. Louis).
Information: `http://www.mamebia.de/inzell`.

20–22 **Finsler Geometry (Mathematics and Physics)**, Institut de Recherche Mathématique Avancée, Strasbourg, France. (May 2007, p. 666)
Organizers: Athanase Papadopoulos and Vladimir Turaev.
Invited speakers: Yves Benoist (ENS Paris), Christian Duval (Marseille), Patrick Foulon (Strasbourg), Hubert Goenner (Goettingen), Vladimir Matveev (Jena), Gabriel Paternain (Cambridge), Jean-Baptiste Pomet (Sophia-Antipolis), Hans Bert Rademacher (Leipzig), Marc Troyanov (Lausanne), Constantin Vernicos (Neuchatel), Abdelghani Zeghib (ENS Lyon).
Information: email: `papadopoulos@math.u-strasbg.fr`.

22–23 **Minicourse on Quantitative Biology**, Centre de recherches mathématiques, Université de Montréal, Montréal, Canada. (Jun/Jul 2007, p. 779)
Description: Biology is becoming a quantitative science. For example, new technologies allow the motion of individual proteins to be visualized in single cells and the expression levels of all genes in a genome to be measured simultaneously. Nevertheless, a traditional biology training does not give the mathematical tools required to analyse such data. Across the life sciences, there is a need for researchers who are familiar with both mathematics and biology.

This minicourse will introduce the fundamentals of quantitative biology. Its goal will be to give sufficient background to enable mathematics students to start reading the scientific literature and to enable biology students to critique the assumptions behind some mathematical techniques. Students will be taught by experts in quantitative biology, all of whom have themselves moved their research from the physical to the biological sciences.

Organizers: P. S. Swain (McGill), B. P. Ingalls (Waterloo), M. C. Mackey (McGill).

Information: `http://www.crm.math.ca/Dynamics2007/`.

22–24 Geometrization of Probability: A Fields Institute/ University of Ottawa workshop, University of Ottawa, Ottawa, Ontario, Canada. (Jun/Jul 2007, p. 779)

Program: The workshop, mostly aimed at graduate students and recent Ph.D. recepients, will feature minicourses, one-hour invited lectures, and possibly time for short communications and a discussion of open problems.

Topics: Recent decades have seen a remarkable degree of interaction between probability theory and high-dimensional convexity theory. The framework of the subject involves very high dimensional spaces (normed spaces, convex bodies) and accompanying asymptotic phenomena as the dimension goes to infinity. Concepts, results and approaches of a new theory developed in the framework of geometrization of probability will benefit many mathematicians using in one form or another probabilistic and functional-analytic methods in their work. The lecturers at the workshop are today's foremost experts in the area.

Minicourse lecturers: Shiri Artstein-Avidan (Tel-Aviv University), Robert McCann (University of Toronto), Boaz Klartag (IAS and Clay Institute).

Invited Speakers: Alexander Litvak (University of Alberta), Sasha Sodin (Tel-Aviv University), Stanislaw Szarek (Case Western Reserve University), Nicole Tomczak-Jaegermann (University of Alberta), Elisabeth Werner (Case Western Reserve University).

Financial support: Limited financial support will be available for Ph.D. students and postdoctoral fellows, cf. the web page for details.

Information: `http://www.fields.utoronto.ca/programs/scientific/07-08/geometrization/index.html`.

23–26 Applied Statistics 2007, Ribno (Bled), Slovenia. (Jun/Jul 2007, p. 780)

Program: The conference will provide an opportunity for researchers in statistics, data analysts, and other professionals from various statistical and related fields to come together, present their research, and learn from each other. A three day program consists of invited paper presentations, contributed paper sections from diverse topics, and finishes with a workshop. Cross-discipline and applied paper submissions are especially welcome.

Plenary speakers: Alan Agresti, University of Florida, USA; Ingram Olkin, Stanford University, USA; Rolf Steyer, Friedrich-Schiller-University Jena, Germany.

Organizers: Statistical Society of Slovenia.

Deadlines: Abstract Submission: July 1, 2007. Registration: August 15, 2007.

Information: `info.AS@nib.si;http://ablejec.nib.si/AS2007/`.

23–26 The 15th International Symposium on Graph Drawing, Syndey, Australia. (Aug. 2007, p. 917)

Scope: The range of topics that are within the scope of the International Symposium on Graph Drawing includes (but is not limited to): • Visualization of networks, • Web maps, • software engineering diagrams, • database schemas, • chemical structures and molecules, • Graph Algorithms, • Geometric graph theory, • Geometric computing, • Software systems for graph visualization, • Topology and planarity, • Graph theory and optimization on graphs, • Interfaces for interacting with graphs, • Task analysis to guide graph drawing.

Invited Speakers: Brendan McKay (ANU, Australia), Norishige Chiba (Iwate University, Japan).

Contact Information: The organizing committee can be contacted at `gd2007@cs.usyd.edu.au`.

23–28 14th Workshop on Stochastic Geometry, Stereology and Image Analysis, Friedrich-Schiller-University Jena, Department of Stochastics, Jena, Germany. (Feb. 2007, p. 308)

Information: `http://www.minet.uni-jena.de/stoch_geom_07/`.

24–25 DIMACS/DyDAn Workshop on Computational Methods for Dynamic Interaction Networks, DIMACS Center, CoRE Building, Rutgers University, Piscataway, New Jersey. (Aug. 2007, p. 917)

Short Description: A substantial body of research in various sciences aims at understanding the dynamics and patterns of interactions within populations, in particular how social groups arise and evolve. As a result of the advances in communications and computing technology, extreme amounts of data are being accumulated representing the evolution of large scale communication networks, such as the WWW, chatrooms, Blogs, and networks of bluetooth enabled handheld devices. Moreover, as small sensors become largely available and affordable, new research areas are exploiting the social networks resulting from those sensor networks data. Finding patterns of social interaction within a population has been addressed in a wide range applications including: disease modeling cultural and information transmission, intelligence and surveillance, business management, conservation biology and behavioral ecology.

Organizers: Tanya Berger-Wolf, University of Illinois at Chicago, `tanyabw@uic.edu`; Mark Goldberg, RPI, `goldberg@cs.rpi.edu`; Malik Magdon-Ismail, RPI, `magdon@cs.rpi.edu`; Fred Roberts, DIMACS, `froberts@dimacs.rutgers.edu`; William "Al" Wallace, RPI, `wallaw@rpi.edu`.

Information: `http://dimacs.rutgers.edu/Workshops/Dynamic`.

24–27 International Conference on Applications in Nonlinear Dynamics, Poipu Beach, Koloa, Kauai, Hawaii.

Information: All information about conference can be found at `http://www.icand2007.org`.

24–28 Towards Relative Symplectic Field Theory, CUNY Graduate Center, New York, New York. (Jun/Jul 2007, p. 780)

Description: The goal of this workshop, sponsored by AIM, NSF, CUNY Graduate Center and Stanford Mathematical Research Center (MRC), is to understand the structure of relative Symplectic Field Theory (SFT), discuss and reconcile different versions of its algebraic formalism, and to work towards building rigorous foundations of the theory. There will also be explored applications of relative SFT to symplectic and contact topology, as well as low-dimensional topology.

Organizers: Kai Cieliebak, Tobias Ekholm, Yakov Eliashberg, Kenji Fukaya, Dennis Sullivan, and Michael Sullivan.

Deadline: May 21, 2007.

Information: `http://aimath.org/ARCC/workshops/relsymplectic.html`.

24–28 Workshop on Deconstructing Biochemical Networks, Centre de recherches mathématiques, Université de Montréal, Montréal, Canada. (Jun/Jul 2007, p. 780)

Organizers: P. S. Swain (McGill), B. P. Ingalls (Waterloo), M. C. Mackey (McGill).

Description: New technologies have led to a huge increase in molecular level data in biological systems. As well as fueling the transition of molecular biology to a quantitative science, this data is also revealing new complexity in biochemical networks. This workshop will bring together both modellers and experimentalists, and will focus on network "design".

Information: `http://www.crm.math.ca/Dynamics2007/`.

24–29 **18th Congress of Unione Matematica Italiana**, Bari, Italy. (May 2007, p. 666)
Information: email: segreteria@congressoumi2007.it; http://www.congressoumi2007.it.

24–29 **International Algebraic Conference dedicated to the 100th anniversary of D. K. Faddeev**, Euler International Mathematical Institute, St. Petersburg, Russia. (Apr. 2007, p. 560)
Organizers: St. Petersburg State University, St. Petersburg Dept. of the V. A. Steklov Inst. of Math. of the Russian Acad. of Sci., Euler International Math. Inst., Euler Foundation, St. Petersburg Math. Soc.
Program Committee: A. V. Yakovlev, S. V. Vostokov, N. A. Vavilov, A. I. Generalov, N. L. Gordeev.
Information: email: novikova@pdmi.ras.ru; http://www.pdmi.ras.ru/EIMI/2007/DKF.

25–28 **The 2nd International Conference on Nonlinear Dynamics: KhPI 2007 in honor of Alexander Lyapunov 150th Anniversary**, National Technical University, Kharkov Polytechnical Institute, Kharkov, Ukraine. (Feb. 2007, p. 308)
Topics: Analytical and numerical methods in nonlinear dynamics; Resonances, stability analysis and bifurcations in nonlinear systems; Nonlinear normal modes; Transient processes and localization of energy; Chaotic dynamics; Nonlinear dynamics of continuous systems, in particular, plates and shells; Vibro-impact systems and other non-smooth systems; Vibro-creep problems and other problems of nonlinear dynamics
Call for papers: A one-page abstract for presentation at the conference is invited.
Deadlines: The deadline for the pre-registration and abstract submission is February 17th, 2007. Only electronic submission is accepted. Notification of acceptance: April 15, 2007.
Language: English.
Information: Dept. of Applied Mathematics (Prof. Yu.V. Mikhlin, Prof. L.V. Kurpa, Dr. G.V. Rudnyeva), National Technical University "Kharkov Polytechnical University", 21 Frunze str., Kharkov, 61002, Ukraine; Phone: +38-057-7076032; Fax: +38-057-7076601; email: muv@kpi.kharkov.ua, yuri_mikhlin@mail.ru, gayane@kpi.kharkov.ua;http://users.kpi.kharkov.ua/infiz/conf/index.html.

October 2007

1–5 **Dynamic Searches and Knowledge Building**, UCLA, Los Angeles, California. (Jun/Jul 2007, p. 780)
Topics: User-tailored search, Textual entailment, Knowledge Discovery and Data Mining, Analysis and organization of search results, Measures of document or semantic similarity, Multi-media data mining and semantic annotation, including images, video and audio, Applications integrating search and knowledge (e.g. biomedicine, customer relationship management).
Speakers: Will be announced soon on: http://www.ipam.ucla.edu/programs/sews1/.
Organizing Committee: Karin Verspoor, Chair (Los Alamos National Laboratory, CCS-3), Jennifer Chu-Carroll (IBM Watson Research Center), Ronald Coifman (Yale University), Carey Priebe (Johns Hopkins University, Center for Imaging Science).
Application/Registration: An application/registration form is available at: http://www.ipam.ucla.edu/programs/sews1/. The application part is for people requesting financial support to attend the workshop. If you don't intend to do this, you may simply register. We urge you to apply as early as possible. Applications received by August 20, 2007 will receive fullest consideration. Successful applicants will be notified as soon as funding decisions are made.
Funding: To support the attendance of recent Ph.D.'s, graduate students, and researchers in the early stages of their career; however, mathematicians and scientists at all levels who are interested in this area are encouraged to apply for funding. Encouraging the careers of women and minority mathematicians and scientists is

an important component of IPAM's mission and we welcome their applications.

5-6 **AMS Central Section Meeting**, DePaul University, Chicago, Illinois. (Dec. 2006, p. 1380)
Information: http://www.ams.org/amsmtgs/sectional.html.

6-7 **AMS Eastern Section Meeting**, Rutger University-New Brunswick, Busch Campus, New Brunswick, New Jersey. (Dec. 2006, p. 1380)
Information: http://www.ams.org/amsmtgs/sectional.html.

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.

9-11 **SIAM Conference on Mathematics for Industry: Challenges and Frontiers (MI07)**, Hyatt Regency Philadelphia, Philadelphia, Pennsylvania. (Mar. 2007, p. 440)
Description: SIAM's conference on Mathematics for Industry focuses attention on the many and varied opportunities to promote applications of mathematics to industrial problems.
Deadlines: Minisymposium proposals: March 9, 2007. Abstracts for contributed and minisymposium speakers: April 9, 2007.
Information: http://www.siam.org/meetings/mi07/.

11-12 **Tenth New Mexico Analysis Seminar**, University of New Mexico, Albuquerque, New Mexico. (Jun/Jul 2007, p. 780)
Keynote Speakers: Andrea Nahmod, University of Massachussets, Amherst. Minicourse on "Bilinear Operators in Analysis and PDEs", and Rodrigo Banuelos, Purdue University Minicourse on "Martingales and Fourier multipliers. What's new in this old marriage?".
Conference Information and Registration: This seminar is organized by analysis aficionados at New Mexico State University and The University of New Mexico. This year the conference is scheduled in the Fall prior to an AMS meeting that will be held in Albuquerque on Oct 13-14, 2007. The goal is to provide an opportunity for scientific exchange and cooperation among broadly defined analysts. This year the centerpieces of the seminar will be two minicourses given by the keynote speakers.
There is time allocated for shorter contributed talks, most of them will be presented in special sessions during the AMS meeting. If you would like to attend and give a talk, please contact one of the organizers by June 26, 2007. Doctoral students and recent Ph.D.s are specially encouraged to apply.
The registration form can be found at http://www.math.unm.edu/conferences/10thAnalysis/registration.html.
The seminar is being sponsored by NSF. We will provide travel stipends for qualified graduate students. We intend to pay, at least partially, shared accommodations for all participants, and if there are funds left, we will reimburse some travel expenses to those participants who have no other sources of funding (priority given to speakers and junior participants).
Information about the conference will be posted at: http://www.math.unm.edu/conferences/10thAnalysis/.
Organizers: Cristina Pereyra (crisp@math.unm.edu), Tiziana Giorgi (tgiorgi@nmsu.edu), Joseph Lakey (jlakey@nmsu.edu), Adam Sikora (asikora@nmsu.edu), Robert Smits (rsmits@nmsu.edu).

*11–13 **Algebra, Geometry, and Mathematical Physics**, Chalmers, Göteborg, Sweden.
Information: `http://www.agmf.astralgo.eu/gb07/`.

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`

*15–19 **Diagonally symmetric polynomials and applications**, CIEM, Castro-Urdiales, Spain.
Topics: The diagonally symmetric polynomials are the polynomials in the entries of a matrix of indeterminates that are invariant under the permutations of its columns. They are also known as multisymmetric polynomials, vector symmetric polynomials, MacMahon symmetric polynomials, ... The goal of this conference is to share this knowledge, to present the state-of-the art on these objects, and also to present the problems that need to be solved.
Speakers: François Bergeron, Riccardo Biagioli, Ira Gessel, Francesco Vaccarino.
Organizers: Emmanuel Briand, Mercedes Rosas.
Information: `http://www.congreso.us.es/dsym/`.

*17–23 **Algebraic Aspects in Geometry**, Mathematical Research and Conference Center, Bedlewo, Poland.
Topics: The following topics will be addressed: 1. Infinite-dimensional Lie algebras: cohomology and geometry, applications in conformal field theory: The Virasoro algebra and the affine Kac-Moody algebras play an important role in conformal field theory. For a quantization of the theory, fields and field operators on higher genus Riemann surfaces have to be considered. The corresponding global algebras are the algebras of Krichever-Novikov type. There exists an elegant formulation of Wess-Zumino-Novikov-Witten models using them. Further topics to be considered are higher algebraic structures, deformations of Lie algebras, central extensions, cohomology, families of infinite-dimensional Lie algebras over the moduli spaces of curves with marked points... 2. Algebraic characterization of (super) space, Weyl algebra and related conjectures: Recent Lie-algebraic characterizations of spaces are tightly connected with the description of automorphisms and derivations of quantum and classical Poisson algebras. These works are close to the study of the automorphism groups of the Weyl algebra and its classical counterpart, hence to the Kanel-Kontsevich, Dixmier, and Jacobi conjectures, which are statements challenging the mathematical community for several decades. 3. Courant algebroids and symplectic Supergeometry, L-infinity algebras, Sigma models and supersymmetry: Supermathematics is inspired by supersymmetry. Potential new supersymmetric sigma models should turn out to be a rich source of elegant and physically motivated theorems in Geometry. Interest in Q-manifolds is related with the Alexandrov, Kontsevich, Schwarz, and Zaboronsky interpretation of Batalin-Vilkovisky formalism in topological field theory. A Q-field on a supermanifold is dual to an L-infinity algebraic structure. Moreover, by the use of derived brackets in Q-geometry, one can reproduce a wide class of algebraic constructions, including Poisson manifolds and Courant algebroids, such that Dirac structures and, in particular, generalized complex structures are recognized to be certain super Lagrange submanifolds.
Invited Speakers: will include G. Barnich, V. Bavula, A. Fialowski, A. Kanel-Belov, C. Klimcik, A. Kotov, G. Landi, M. Markl, K.-H. Neeb, P. Severa, O. Sheinman, S. Skryabin, M. Stienon, T. Strobl, A. van den Essen, T. Voronov, A. Wade.
Information: Application Form & Programme available from `http://www.esf.org/conferences/07249`. Contact at ESF: Ms. Chiara Orefice (`coreffice@esf.org`).

19–20 **27th Southeast Atlantic Regional Conference on Differential Equations (SEARCDE)**, Murray State University, Murray, Kentucky. (Jun/Jul 2007, p. 781)
Organizers: Maeve L. McCarthy (`maeve.mccarthy@murraystate.edu`) and K. Renee Fister.

Speakers: Jeff Borggaard, Virginia Tech; Gerda deVries, University of Alberta; Barbara L. Keyfitz, Fields Institute and University of Houston.
Deadlines: October 1, 2007.
Information: `http://campus.murraystate.edu/searcde/`.

21–27 **The ADONET-CIRM School on Graphs and Algorithms**, Grand Hotel Bellavista, Levico Terme, Trento, Italy. (Jun/Jul 2007, p. 781)
Minicourses: The school offers six minicourses (four lectures each) on state-of-the art topics on graphs and algorithms and related subjects. The minicourses are given by: Maria Chudnowsky (Columbia University): "Forbidding induced subgraphs", Jim Geelen (University of Waterloo): "Graph minors: Structure and algorithms", Michel Goemans (Massuchusetts Institute of Technology): "Uncrossing techniques", Bertrand Guenin (University of Waterloo): "Flows in graphs and matroids", Satoru Iwata (University of Tokyo): "Submodular function", Bill Jackson (University of London): "Rigidity of graphs". Institutional lectures will be given by Carsten Thomassen (Technical University of Denmark) and Wolfgang Mader (University of Hannover).
Scientific Organizers: Michele Conforti (University of Padova) and Bert Gerards (CWI, Amsterdam and Technische Universiteit Eindhoven).
Information: `http://www.science.unitn.it/cirm/ADONETCIRM07.html`; registration deadline is July 31, 2007. A. Micheletti, CIRM, Fondazione Bruno Kessler, 38050 Povo (Trento), Italy. email: `michelet science.unitn.it`, Tel. +39-0461-881628, Fax +39-0461-810629.

22–26 **Numerical Tools and Fast Algorithms for Massive Data Mining, Search Engines and Applications**, UCLA, Los Angeles, California. (Aug. 2007, p. 918)
Topics: Deterministic and randomized algorithms for matrix approximation, Analysis of dense matrices, Fast algorithms for SVD solvers, Algorithms for l0 and l1 approximation, High precision randomized algorithms of linear algebra, Interior point methods, Relation of fast solvers to the Fast Multipole Method, Manifold approximation, Band-limited functions on data sets.
Organizing Committee: Yann LeCun, Chair (New York University), Ming Gu (University of California, Berkeley), Piotr Indyk (Massachusetts Institute of Technology), Vladimir Rokhlin (Yale University), Sam Roweis (University of Toronto), Andrew Zisserman (University of Oxford).
Application/Registration: An application/registration form is available at `http://www.ipam.ucla.edu/programs/sews2/`. The application part is for people requesting financial support to attend the workshop. If you don't intend to do this, you may simply register. Applications received by September 3, 2007, will receive fullest consideration.

23–25 **Petra International Conference on Mathematics**, Al-Hussein Bin Talla Unversity, Ma'an, Jordan. (Jun/Jul 2007, p. 781)
Information: `http://www.ahu.edu.jo/picom2007/`.

24–26 **2007 International Conference in Modeling Health Advances**, Clark Kerr Campus, UC Berkeley, California. (Mar. 2007, p. 440)
Deadlines: Last Date for submission of Manuscripts: July 6, 2007. Last Date for Submission of Final/Camera Ready Paper: July 30, 2007. Pre-registration Due: July 30, 2007.
Information: For further information, please contact: Prof. B. D. Aggarwala, Department of Mathematics and Statistics, University of Calgary, Calgary, Alberta, Canada `aggarwal@math.ucalgary.ca`.

24–27 **Integers Conference 2007**, University of West Georgia, Carrollton, Georgia. (Apr. 2007, p. 560)
Purpose: The Integers Conference 2007 is an international conference in combinatorial number theory, held for the purpose of bringing together mathematicians, students, and others interested in combinatorics and number theory.

Organizers: B. Landman, M. Nathanson, J. Nesetril, R. Nowakowski, C. Pomerance.

Plenary Speakers: George Andrews, Vitaly Bergelson, Bryna Kra, Florian Luca, Ken Ono, Van Vu.

Information: See `http://www.westga.edu/~math/IntegersConference2007/`.

29–November 2 IMA Workshop: RNA in Biology, Bioengineering and Nanotechnology, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1381)

Organizers: Tamar Schlick (New York University), Eric Westhof (CNRS, Strasbourg).

Information: Institute for Mathematics and its Applications, University of Minnesota, 400 Lind Hall, 207 Church St. SE, Minneapolis, MN 55455. Phone: 612-624-6066; email: `visit@ima.umn.edu`; `http://www.ima.umn.edu/2007-2008/W10.29-11.2.07/`.

November 2007

* **1–3 International Conference "Theory of functions, algebra and mathematical logics", devoted to 90 anniversary of academician A. D. Taimanov**, Center of physical and mathematical researches, Institute of Mathematics, Kazakh National University, Kazakh National Pedagogical University, Institute for Problems of Informatics and Control, Almaty, Kazakhstan.

Topics: Program of the conference consists of 3 sections: 1. Algebra, Geometry and Topology. 2. Mathematical Logic and its application to Computer Science. 3. Theory of functions and Differential Equations.

Submissions: Submission of abstracts for presentation at the conference is now invited. The registration is available at `http://mmf.kazsu.kz/konf/TFAL-2007`. We will appreciate if you write down your abstracts in LaTeX with length no longer than 3 pages.

Deadline: For submission of abstract for presentation: September 10, 2007. Deadline for abstract submitting: September 15, 2007.

Registration Fee: 2000 Kazakhtenge ($15.00-$20.00 USA).

Information: You can obtain any additional information at: `vvv@ipic.kz`; `baizhanov@ipic.kz`, `dzenali@math.kz`, `baizhanov2007@rambler.ru`. Telephones: 8-327-291-18-34, 8-701-481-67-12, 8-777-260-03-06.

* **1–3 Seventh Mississippi State - UAB Conference on: Differential Equations & Computational Simulations**, Doubletree Hotel, Birmingham, Alabama.

Description: This Interdisciplinary Conference will provide a joint forum where mathematicians, scientists, and engineers from academia and industry can exchange research ideas involving theoretical and applied developments in differential equations and computational simulations. In addition to the thirteen principal lectures, there will be sessions of contributed talks. Reviewed manuscripts will be published as a special issue of the Electronic Journal of Differential Equations.

Principal Speakers: Oscar Bruno, California Institute of Technology; Chris Cosner, University of Miami; Jeff Crandall, University of Virginia; Norman Dancer, University of Sydney, Australia; Joshua Epstein, The Brookings Institution; Lisa Fauci, Tulane University; Yanyan Li, Rutgers University; Jean Mawhin, University of Catholique de Louvain, Belgium; Charles Nietubicz, Army research Laboratory; Stanley Osher, University of California, Los Angeles; Jaime Peraire, Massachusetts Institute of Technology; John Rice, IBM TJ Watson Research Center; Peter Takac, University of Rostock, Germany.

Organizers: Ratnasingham Shivaji & Bharat Soni.

Deadlines: Pre-registration deadline is October 1, 2007. Abstracts for contributed papers should be submitted electronically no later than September 1, 2007.

Information: For further information, kindly visit: `http://www.msstate.edu/dept/math/events/de.conf/de2007/`.

1–4 Knotting Mathematics and Art: a Conference on Low Dimensional Topology and Mathematical Art, University of South Florida, Tampa, Florida. (Aug. 2007, p. 918)

Organizers: J. Scott Carter, University of South Alabama; Mohamed Elhamdadi, University of South Florida; Natasa Jonoska, University of South Florida; Seiichi Kamada, Hiroshima University; Akio Kawauchi, Osaka City University; Masahico Saito, University of South Florida; John Sims, JohnSimsProjects.

Program: Lectures on knot theory, low dimensional topology and mathemtical art. Exhibition of mathematical art.

Information: Contact: `saito@math.usf.edu` (Masahico Saito), `jonoska@math.usf.edu` (Natasha Jonoska); `http://knotart.cas.usf.edu`.

1–5 Joint AARMS-CRM Workshop on Recent Advances in Functional and Delay Differential Equations, Dalhousie University, Halifax, Canada. (Jun/Jul 2007, p. 781)

Organizers: J. Appleby (Dublin City), H. Brunner (Memorial), A. R. Humphries (McGill), D.E. Pelinovsky (McMaster).

Local Organizers: P. Keast (Dalhousie), P. Muir (St Mary's).

Description: Delay differential equations arise in many applications, and in the case of constant delays solutions give rise to semi-flows on function spaces. This workshop will provide a wide perspective on current research and open problems, covering theory, applications and numerical analysis of these equations.

Concentrated Topics: Dissipative Advanced Retarded Equations, Hamiltonian Advanced Retarded Equations Numerical DDEs (Chinese & Italian schools, numerics also in other concentrations), Applications in Mathematical Biology (Mathematical Physiology and Pop Dynamics), Volterra and Integral Equations, State Dependent Delays.

Information: `http://www.crm.math.ca/Dynamics2007/`.

1–December 31 Program on Bose-Einstein Condensation and Quantized Vortices in Superfluidity and Superconductivity, Institute for Mathematical Sciences, Singapore, Singapore. (May 2007, p. 666)

Topics: Review the most recent and advanced development in the research on Bose-Einstein condensation and quantized vortices in superfluidity and superconductivity, from experiment to theory, simulation and application; present the recently developed mathematical theories, including modeling, analysis and computational techniques, that are relevant to BEC and quantized vortices; discuss and compare different recently proposed scientific models for BEC, especially for BEC at finite temperatures, and fermion condensation; identify critical scientific issues in the understanding of BEC and quantized vortices and the difficulties that are common to both disciplines; accelerate the interaction of applied and computational mathematics with physics and materials science, and promote this highly interdisciplinary research that has emerging applications; develop and foster international collaborations in a new era of scientific research.

Organizing Committee: Weizhu Bao (National University of Singapore), Fanghua Lin (Courant Institute, New York University).

Information: For enquiries on scientific aspects of the program, please email Weizhu Bao at `bao_weizhu@nus.edu.sg`.

2–3 (REVISED) Seventh Annual Prairie Analysis Seminar, Kansas State University, Manhattan, Kansas.

Speakers: Luis Caffarelli, University of Texas, Antoine Mellet, University of British Columbia, and Daniel Phillips, Purdue University. There will be sufficient time for contributed talks; mathematicians early in their careers are especially encouraged to contribute a 20-minute talk.

Organizers: Marianne Korten, Diego Maldonado, Charles Moore, Virginia Naibo, Kansas State University and Estela Gavosto, Rodolfo Torres, University of Kansas.

Information: For information and registration see `http://www.math.ksu.edu/pas/2007/`. The conference will be supported by the National Science Foundation. Support for travel is available, with priority given to support graduate students, younger researchers,

minorities, those from underrepresented groups, and others who do not currently have other NSF awards to attend the seminar.

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`

5-9 Algorithmic Convex Geometry, AIM Research Conference Center, Palo Alto, California. (Mar. 2007, p. 440)
Description: This workshop, sponsored by AIM and the NSF, is motivated by algorithms and draws heavily on probability (especially the theory of stochastic processes), convex geometry and functional analysis. The workshop will bring together leading researchers in these areas.
Organizers: Assaf Naor and Santosh Vempala.
Deadline: July 1, 2007.
Information: `http://aimath.org/ARCC/workshops/convexgeometry.html`.

11-16 21st Large Installation System Administration Conference (LISA '07), Hyatt Regency Dallas, 300 Reunion Boulevard, Dallas, Texas 75207. (Jun/Jul 2007, p. 781)
Description: The most in-depth, real-world system administration training available. For twenty years, the annual LISA conference has been the foremost worldwide gathering for everyone interested in the technical and administrative issues of running a large computing facility. Administrators of all specialties and levels of expertise meet at LISA to exchange ideas, sharpen old skills, learn new techniques, debate current issues, and meet colleagues and friends.
Information: `http://www.usenix.org/events/lisa07/`.

*13-17 Sixth Workshop on Lie Theory and Geometry, Cruz Chica, La Cumbre, Argentina.
Preceded by: Meeting on Lie Theory and Geometry, celebrating the 60th birthday of Professors Roberto Miatello and Isabel Dotti, November 12th, 2007, Cordoba, Argentina.
Aims and Scope: The topics of the workshop will include several aspects of Lie Groups and Geometry, with special emphasis in four main areas: (i) representation theory (ii) inverse spectral geometry (iii) geometric structures on homogeneous spaces (iv) applications to number theory.
Support: For a limited number of advanced graduate students and recent Ph.D.'s is being provided by the National Science Foundation. To apply for funding, please send a request by e-mail to both Carolyn Gordon; `csgordon@dartmouth.edu` and Joseph Wolf; `jawolf@math.berkeley.edu`. Graduate students must request a letter of recommendation from their thesis advisors. Recent Ph.D.'s should include a description of up to a page of their research interests and plans, indicating how they fit with the workshop. The target date for applications is August 12, 2007. Applications received after that date will be considered if funding remains. Those awarded travel support can also expect local support through Argentine funds. The workshop is being supported by CONICET (Argentina), FONCYT (Argentina) (pending), ICTP (Trieste, Italy) (pending), and the NSF. Support for local expenses is available for a limited number of participants at all career stages.
Information and Registration: `http://www.famaf.unc.edu.ar/~liegeo07/index.html`.

14-16 Workshop on Dynamical Systems and Continuum Physics, Centre de recherches mathématiques, Université de Montréal, Montréal, Québec, Canada. (Jun/Jul 2007, p. 781)
Organizer: L. Tuckerman (PMMH-ESPCI, France).
Description: Dynamical systems theory provides astonishingly faithful representations of systems from continuum physics. This workshop will focus on recent research in laminar and turbulent hydrodynamics and in some more discrete systems, notably granular media and foams.
Information: `http://www.crm.math.ca/Dynamics2007/`.

*19-23 Workshop on Bioimaging II/PDEs, Johann Radon Institute for Computational and Applied Mathematics (RICAM), Linz, Austria.
Description: The workshop is part of the Special Semester on Quantitative Biology analyzed by Mathematical Methods held at the Johann Radon Institute for Computational and Applied Mathematics (RICAM), Linz, October 1, 2007–January 27, 2008.
Overview: Problems in the fields of Bioimaging, Biomechanics and Chemotaxis, Ion Channels, Pattern Formation and Functional Morphology, Systems Biology. will be studied by exploring mathematical methods from the areas of Inverse Problems, PDEs, Stochastics, Dynamical Systems.
Information: `http://www.ricam.oeaw.ac.at/specsem/ssqbm/`.

28-29 International Conference on Mathematical Sciences (ICMS'07), Equatorial Hotel, Bangi-Putrajaya, Malaysia. (Jun/Jul 2007, p. 781)
Description: "Integrating Mathematical Sciences within Society".
Focus: Theory and applications of mathematical sciences in engineering, medical, biotechnology, insurance, finance and other related areas.
Important Dates: Abstract deadline: July 1, 2007. Conference Registration: August 1, 2007 (early birds). Full paper deadline: Sept. 30, 2007.
Organizers: Universiti Kebangsaan Malaysia & Malaysian Mathematical Sciences Society.
Information: email: `seminarppsm@lycos.com`; `http://pkukmweb.ukm.my/~ppsmfst/icoms/`.

December 2007

*1 National Conference on Technology and Innovation in Mathematics Education, IIT Bombay, Mumbai, India.
Description: TIME 2007 Second National conference on technology and mathematics education for school teachers and college teachers.
Information: `http://www.math.iitb.ac.in/~time2007/`.

3-7 Rigidity and polyhedral combinatorics, American Institute of Mathematics, Palo Alto, California. (Jun/Jul 2007, p. 782)
Organizers: Robert Connelly, Ezra Miller, and Igor Pak.
Description: This workshop, sponsored by AIM and the NSF, will be devoted to polyhedral objects in Euclidean spaces. Specifically, which metric or combinatorial properties must change or remain constant under certain classes of deformations, such as bending, folding, stretching, or flexing?
Deadline: July 15, 2007.
Information: `http://aimath.org/ARCC/workshops/polyhedralcomb.html`.

7-11 Fourth Pacific Rim Conference on Mathematics: Celebrating the Tenth Anniversary of the Liu Bie Ju Centre for Mathematical Sciences, City University of Hong Kong, Hong Kong. (Jan. 2007, p. 64)
Description: The Conference, which is open to all areas of mathematics, will have eight Focus Sessions. Each Focus Session will include a Plenary Speaker and several Invited Speakers. In addition, seven Plenary Speakers will give talks to celebrate the Tenth Anniversary of the Liu Bie Ju Centre for Mathematical Sciences, City University of Hong Kong.
Focus Sessions: Algebraic Geometry, Conformal Geometry, Heisenberg Geometry - Curve and Surface Theories, Homogenization and its Impact on Physics, Inverse Problems, Kinetic Equations and Fluid Dynamical Systems, Partial Differential Equations, Representation Theory and Group Theory.
Plenary Speakers: Jean-Pierre Bourguignon (Institut des Hautes Études Scientifiques), Philippe G. Ciarlet (City Univ. of Hong Kong), Hyeonbae Kang (Seoul National Univ.), Ta-Tsien Li (Fudan Univ.), Tai-Ping Liu (Stanford Univ.), Gaven Martin (Univ. of Auckland), Amnon Neeman (Australian National Univ.), Michael J.D. Powell (Univ. of Cambridge), Steve Smale (Toyota Technological Institute, Chicago), Seiji Ukai (City Univ. of Hong Kong), Muthusamy Vanninathan (Tata

Institute of Fundamental Research), Roderick S.C. Wong (City Univ. of Hong Kong), Paul Yang (Princeton Univ.), Xiping Zhu (Zhongshan Univ.), Jiping Zhang (Peking Univ.).
Deadline: For submission of abstract of contributed papers: October 1, 2007.
Information: `http://www6.cityu.edu.hk/rcms/PRCM4/`. For enquiries, please e-mail to Ms Sophie Xie at `MCLBJ@cityu.edu.hk`. Note: Registration is compulsory.

10–12 SIAM Conference on Analysis of Partial Differential Equations (PD07), Hilton Phoenix East/Mesa, Mesa, Arizona. (Apr. 2007, p. 560)
Information: The Call for Presentations for this conference is available at: `http://www.siam.org/meetings/pd07/`.
Deadlines: Minisymposium proposals: May 11, 2007. Abstracts for all contributed and minisymposium presentations: June 11, 2007.
Information: For additional information, contact SIAM Conference Department at email: `meetings@siam.org`.

10–14 Triangulations, Heegaard splittings and hyperbolic geometry, American Institute of Mathematics, Palo Alto, California. (Apr. 2007, p. 560)
Description: This workshop, sponsored by AIM and the NSF, will be devoted to the study of 3-manifolds via two new methods of decomposing them: efficient triangulations and Mom technology. These are reminiscent of the classical tools of triangulations and Heegaard splittings and one goal of the workshop is to draw connections amongst these four structures. Furthermore, we aim to make connections between these decompositions and the geometry of the manifold.
Organizers: Jennifer Schultens and Maggy Tomova.
Deadline: August 1, 2007.
Information: `http://aimath.org/ARCC/workshops/triangulations.html`.

11–14 Workshop on Chaos and Ergodicity of Realistic Hamiltonian Systems, Centre de recherches mathématiques, Université de Montréal, Montréal, Québec, Canada. (Jun/Jul 2007, p. 782)
Organizers: H. Broer (Groningen), P. Tupper (McGill).
Topics: Is mathematical ergodicity too strong a property for realistic systems? What is the relation between chaos and ergodicity for Hamiltonian systems? What about stronger properties, such as mixing, and CLT? What are the limits imposed by KAM? What is the relevance to molecular dynamics and fluid mechanics? What are the prospects for the Arnold-Avez Conjecture: For rather general Hamiltonian systems show that areas of positive measure exist with positive Lyapunov exponent.
Information: email: `paradis@crm.umontreal.ca`; `http://www.crm.math.ca/Dynamics2007/`.

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

15–17 First Announcement and Call for Papers: The Eighth Asian Symposium on Computer Mathematics (ASCM 2007), National University of Singapore, Singapore. (Jun/Jul 2007, p. 782)
Description: The Asian Symposia on Computer Mathematics (ASCM) are a series of conferences which offer a forum for participants to present original research, to learn of research progress and new developments, and to exchange ideas and views on doing mathematics using computers. ASCM 2007 will consist of invited talks, regular sessions of contributed papers, and software demonstrations.
Call for Papers: Research papers on all aspects of the interaction between computers and mathematics are solicited for the symposium. Papers should be written in English, in single column, not exceeding 15 pages, and the main text font not smaller than 10 pt. Authors are expected to submit their papers electronically (in postscript, or pdf format).

Information: `http://www.comp.nus.edu.sg/~ascm2007/`. See submission instructions from the conference `http://www.comp.nus.edu.sg/~ascm2007/A_Instructions.htm`.

15–17 International Symposium on Recent Advances in Mathematics & Its Applications (ISRAMA 2007), Calcutta, India. (Jun/Jul 2007, p. 782)
Topics: Algebra, Discrete Mathematics & Theoretical Computer Science, Analysis & Topology and their Applications, Geometry and its Applications, Dynamical Systems, Chaos and Fractals, Continuum Mechanics, Plasma Physics, Control Theory and Optimization Theory, Bio-mechanics and Bioinformatics, Applications of Mathematics to Environmental Problems, History and Philosophy of Physical Science, Quantum Information Theory, Relativity and its Applications.
Information: Professor M. R. Adhikari, Secretary, Calcutta Mathematical Society, AE-374, Sector-1, Salt Lake City, India; email: `cms@cal2.vsnl.net.in` or `cms_mra@yahoo.co.in`.

16–20 The Twelfth Asian Technology Conference in Mathematics (ATCM2007), Taipei, Taiwan. (Mar. 2007, p. 441)
Description: The ATCM 2007 is an international conference that will continue addressing technology-based issues in all Mathematical Sciences. Thanks to advanced technological tools such as computer algebra systems (CAS), interactive and dynamic geometry, and hand-held devices, the effectiveness of our teaching and learning, and the horizon of our research in mathematics and its applications continue to grow rapidly. 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.
Theme: Making mathematics fun, accessible and challenging through technology.
Language: English.
Deadlines: Submission of Abstracts: June 15, 2007. Submission of Full Papers: July 15, 2007.
Information: `http://www.atcm.mathandtech.org`.

17–19 The 3rd Indian International Conference on Artificial Intelligence (IICAI-07), Pune, India. (Jun/Jul 2007, p. 782)
Description: IICAI-07 is one of the major AI events in the world. This conference focuses on all areas of AI and related fields. We invite paper submissions. Please visit on the conference website for more details.
Information: Bhanu Prasad, IICAI-07 Chair, Department of Computer and Information Sciences, Florida A & M University, Tallahassee, FL 32307; email: `bhanupvsr@gmail.com`; tel: 850-412-7350; `http://www.iiconference.org`.

17–22 Transformation Groups 2007, Independent University of Moscow, Moscow, Russia. (Apr. 2007, p. 560)
Description: The conference is aimed to review the development of Transformation Group Theory during last decades, to present the most bright recent achievements in this area, and to discuss the perspectives of further research. The motivations for the conference are to gather researchers working on transformation groups in various areas of mathematics, in order to extend their ideas and methods to a broader context and to provide an opportunity for a broad discussion and exchange of ideas and experience between mathematicians from various countries and of different generations. The conference will be dedicated to the anniversary of Ernest Vinberg, who will become seventy in the summer of 2007.
Invited speakers: Dmitri N. Akhiezer, Dmitri V. Alexeevsky, Leonid A. Bokut, Michel Brion, Victor M. Buchstaber, Corrado De Concini, Michel Duflo, Alexander G. Elashvili, Victor M. Gichev, Simon G. Gindikin, Victor A. Ginzburg, Victor G. Kac, Alexandre A. Kirillov, Friedrich Knop, Bertram Kostant, Hanspeter Kraft, Shrawan Kumar, Peter Littelmann, Alex Lubotzky, Dominique Luna, Alexander D. Mednykh, Vladimir F. Molchanov, Grigori I. Olshanski, Arkadiy L. Onishchik, Alexander N. Panov, Dmitri I. Panyushev, Alexey N.

Parshin, Vladimir L. Popov, M. S. Raghunathan, Osip V. Shvartsman, Tonny A. Springer, Irina D. Suprunenko, Jacques L. Tits, Nikolai A. Vavilov, Anatoly M. Vershik, Andrei Yu. Vesnin, Valentin E. Voskresensky.

Organizers: Ivan V. Arzhantsev, David A. Ellwood, Yulij S. Ilyashenko, Victor G. Kac, Alexandre A. Kirillov, Arkadiy L. Onishchik, Alexey N. Parshin, Dmitri A. Timashev, Michael A. Tsfasman.

Deadlines: For registration: September 15, 2007. For abstracts submission: October 15, 2007.

Information: Visit `http://www.mccme.ru/tg2007/`; email: `tg2007@mccme.ru`.

30–January 4 Conference on Representations of Algebras, Groups and Semigroups, Bar-Ilan University, Ramat-Gan, Israel and the Netanya Academic College, Netanya, Israel. (Jun/Jul 2007, p. 782)

Information: email: `margolis@math.biu.ac.il`; `http://www.math.biu.ac.il/~margolis`.

January 2008

6–9 Joint Mathematics Meetings, San Diego, California. (Jun/Jul 2007, p. 782)

Information: `http://www.ams.org/amsmtgs/national.html`.

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`.

10–11 IMA Tutorial: Mathematics of Proteins, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1381)

Organizers: Michael Levitt (Stanford University Medical School), Patrice Koehl (University of CaliforniaWashington).

Information: Institute for Mathematics and its Applications, University of Minnesota, 400 Lind Hall, 207 Church St. SE, Minneapolis, MN 55455. Phone: 612-624-6066; email: `visit@ima.umn.edu`; `http://www.ima.umn.edu/2006-2007/T1.12-13.07/`.

10–13 First Announcement for Thirteenth Annual Conference and First International Conference of Gwalior Academy of Mathematical Sciences (GAMS) with Symposium on Mathematical Modeling in Engineering and Biosciences, Anand Engineering College, Agra, U.P. India. (Aug. 2007, p. 918)

Workshop Topic: Mathematical Modeling in Engineering and Biosciences.

Organizers: Jointly organized by Gwalior Academy of Mathematical Sciences (GAMS): `http://www.gamsinfo.com` & Anand Engineering College, Keetham, AGRA-282007 (India).

Deadlines: Last date for Pre-Registration & Submission of Abstract: August 6, 2007. Communication of Acceptance: September 10, 2007. Last date for submission of full-length papers for publication in the Proceedings: October 1, 2007. Second Announcement: October, 2007.

Information: General Correspondence: Prof. V. P. Saxena, Anand Engineering College Keetham, Agra-Delhi Road (N.H. #2) Agra-282007, India; Mob. +91-94251-09044; email: `saxena_vp@rediffmail.com`. Submission of Abstracts and Papers: Prof. K. R. Pardasani, Department of Mathematics, Maulana Azad National Institute of Technology, Bhopal-462007, India; Bhopal-462007, India; Mob. +91-94253-58308; email: `13plus1gams@gmail.com`; `http://kamrajp@hotmail.com`.

14–18 IMA Workshop: Protein Folding, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1381)

Organizers: Ken Dill (University of California), Sorin Instrail (Brown University), Michael Levitt (Stanford University School of Medicine).

Information: Institute for Mathematics and its Applications, University of Minnesota, 400 Lind Hall, 207 Church St. SE, Minneapolis, MN 55455. Phone: 612-624-6066; email: `visit@ima.umn.edu`; `http://www.ima.umn.edu/2007-2008/W1.14-18.08/`.

14–18 The uniform boundedness conjecture in arithmetic dynamics, American Institute of Mathematics, Palo Alto, California. (May 2007, p. 666)

Description: This workshop, sponsored by AIM and the NSF, will be devoted to arithmetic properties of preperiodic points for morphisms on projective space. The hope is to create new approaches to the study of arithmetic properties of periodic and preperiodic points for (quadratic) polynomials, for one-dimensional rational maps, and for projective morphisms of higher dimension. A specific goal of the workshop is to develop tools and a strategy for proving the first (highly) nontrivial case of the uniform boundedness conjecture in dynamics, namely for quadratic polynomials in one variable over Q.

Organizers: Matthew Baker, Robert Benedetto, Liang-Chung Hsia, and Joseph H. Silverman.

Deadline: September 1, 2007.

Information: See `http://aimath.org/ARCC/workshops/arithdynamics.html`.

14–July 4 Combinatorics and Statistical Mechanics, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Dec. 2006, p. 1381)

Description: The past half-decade has seen an increasing interaction between combinatorialists, probabilists, computer scientists and theoretical physicists concerned broadly with the study of "probability theory on graphs" or "statistical mechanics on graphs". The programme will build on this cross-fertilisation.

Topics: Zeros of combinatorial polynomials, including the chromatic, flow, reliability and Tutte polynomials; Markov-chain Monte Carlo methods; combinatorial identities and their applications in statistical mechanics; use of methods from statistical mechanics and quantum field theory in combinatorial enumeration; correlation inequalities; and phase transitions in combinatorial structures.

Organizers: P. J. Cameron (Queen Mary, University of London), B. Jackson (Queen Mary, University of London), Dr. A. Scott (University of Oxford), A. Sokal (New York University) and D. G. Wagner (University of Waterloo)

Information: `http://www.newton.cam.ac.uk/programmes/CSM/`; email: `info@newton.cam.ac.uk`.

20–22 ACM-SIAM Symposium on Discrete Algorithms (SODA08), Holiday Inn Golden Gateway, San Francisco, California. (Jun/Jul 2007, p. 782)

Information: This symposium focuses on research topics related to efficient algorithms and data structures for discrete problems. In addition to the design of such methods and structures, the scope also includes their use, performance analysis, and the mathematical problems related to their development or limitations. Performance analyses may be analytical or experimental and may address worst-case or expected-case performance. Studies can be theoretical or

based on data sets that have arisen in practice and may address methodological issues involved in performance analysis.
Submission Deadline: July 6, 2007.

28–February 1 **Image Analysis Challenges in Molecular Microscopy**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Aug. 2007, p. 918)
Description: Scientific Background: Understanding the hierarchical organization of molecules, multi-protein assemblies, organelles and networks within the interior of a eukaryotic cell is a challenge of fundamental interest in cell biology. A wide variety of microscopic and spectroscopic methods already exist for imaging intact cells and their components: modern fluorescence microscopic methods provide powerful tools for imaging at spatial resolutions in the micron range, while emerging methods in electron microscopy can be used to image the arrangement of protein assemblies at resolutions of 1 nm or better. To take advantage of these rapid advances in imaging technology, it is critical to develop and apply advanced computational strategies for image processing that can cope both with the volume and complexity of the data. This conference seeks to bring together leaders at this interdisciplinary interface of image processing and stimulate new partnerships to address computational problems at this exciting frontier of cell biology. The one-week meeting will bring together biologists, physicists, mathematicians and specialists in microscopy and image analysis.
Organizing Committee: Guillermo Sapiro, Chair (University of Minnesota, Twin Cities), Alberto Bartesaghi (National Institutes of Health (NIH)), Jacqueline Milne (National Institutes of Health (NIH)), Sriram Subramaniam (National Institutes of Health (NIH)).
Application/Registration: An application/registration form is available on http://www.ipam.ucla.edu/programs/imm2008/. The application part is for people requesting financial support to attend the workshop. If you don't intend to do this, you may simply register. We urge you to apply as early as possible. Applications received by December 17, 2007, will receive fullest consideration. Successful applicants will be notified as soon as funding decisions are made. We have funding to support the attendance of recent Ph.D.s, graduate students, and researchers in the early stages of their career; however, mathematicians and scientists at all levels who are interested in this area are encouraged to apply for funding. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM's mission and we welcome their applications.

March 2008

2–7 **IX International Conference "Approximation and Optimization in the Caribbean"**, Sunrise Beach Hotel, San Andres Island, Colombia. (Jun/Jul 2007, p. 782)
Information: For more information about this event please visit the website http://matematicas.univalle.edu.co/~appopt2008/.

3–7 **IMA Workshop: Organization of Biological Networks**, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1381)
Organizer: Steven Altschuler (University of Texas Southwestern Medical Center), Alexander Hoffmann (University of California at San Diego), Lani Wu (University of Texas Southwestern Medical Center).
Information: Institute for Mathematics and its Applications, University of Minnesota, 400 Lind Hall, 207 Church St. SE, Minneapolis, MN 55455. Phone: 612-624-6066; email: visit@ima.umn.edu; http://www.ima.umn.edu/2007-2008/W3.3-7.08/.

* **9–12** **LUMS 2nd International Conference on Mathematics and its Applications in Information Technology 2008**, Lahore University of Management Sciences (LUMS), Lahore, Pakistan.
Call for Papers: The Second LUMS International Conference on Mathematics and is Applications in Information Technology will

be held on the beautiful campus of LUMS in March 2008 over four days.
Topics: The conference will cover a broad range of topics in Mathematical research. The topics include, but are not limited to: Applied Mathematics, Pure Mathematics, Industrial Mathematics, Financial Mathematics, Auctorial Mathematics, Information Technology for Mathematics, Discrete Mathematics.
Deadlines: Submission of 100-150 words Abstract: November 10, 2007. Notification of Acceptance of Abstract: November 26, 2007. Last date of submission of full papers: December 15, 2007. Feedback to authors and selection of papers: December 31, 2007. Final paper drafting due (one of the authors must register and attend the conference): January 19, 2008. Registration: February 10, 2008.
Information: fmbhatti@lums.edu.pk.

10–June 13 **Optimal Transport (Long Program)**, UCLA, Los Angeles, California. (Jun/Jul 2007, p. 983)
Aim: The aim of the workshop is to put together physicists, biologists, mathematicians working on the optimization of transportation networks.
Organizing Committee: Andrea Bertozzi (UCLA, Mathematics), Yann Brenier (Université de Nice Sophia Antipolis), Wilfrid Gangbo (Georgia Institute of Technology), Peter Markowich (Universität Wien, Institute of Mathematics), Jean-Michel Morel (École Normale Supérieure de Cachan, CMLA).
Funding: We have funding especially to support the attendance of recent Ph.D.'s, graduate students, and researchers in the early stages of their career; however, mathematicians and scientists at all levels who are interested in this area are encouraged to apply for funding. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM's mission and we welcome their applications.
Information: Please apply online to request financial support to attend and participate for extended periods up to the entire length of the program. The application and more information is available at http://www.ipam.ucla.edu/programs/ot2008/.

15–16 **AMS Eastern Section Meeting**, Courant Institute of New York University, New York, New York. (Jun/Jul 2007, p. 983)
Information: http://www.ams.org/amsmtgs/sectional.html.

17–21 **Nonlinear PDEs of mixed type arising in mechanics and geometry**, American Institute of Mathematics, Palo Alto, California. (Jun/Jul 2007, p. 983)
Organizers: Gui-Qiang Chen, Tai-Ping Liu, Richard Schoen, and Marshall Slemrod.
Description: This workshop, sponsored by AIM and the NSF, will be devoted to the study of nonlinear partial differential equations of mixed hyperbolic and elliptic type arising in conservation laws, continuum mechanics, differential geometry, relativity, and string theory.
Deadline: November 1, 2007.
Information: See http://aimath.org/ARCC/workshops/pdesofmixedtype.html.

19–21 **The IAENG International Conference on Operations Research 2008**, Regal Kowloon Hotel, Kowloon, Hong Kong. (Jun/Jul 2007, p. 983)
Topics: Management Science, Managerial economics, Systems thinking and analysis, Optimization, Integer programming, Linear programming, Nonlinear programming, Assignment problem, Transportation network design, Simulation, Statistical Analysis, Stochastics Modelling, Reliability and maintenance, Queueing theory, Game theory, Graph theory, OR algorithms and software developments, OR applications and case studies.
Information: http://www.iaeng.org/IMECS2008/ICOR2008.html.

28–30 **AMS Southeastern Section Meeting**, Louisiana State University, Baton Rouge, Louisiana. (Jun/Jul 2007, p. 983)
Information: http://www.ams.org/amsmtgs/sectional.html.

* 31–April 2 **SIAM International Conference on Numerical Combustion (NC08)**, Portola Plaza at Monterey Bay, Monterey, California.
Information: For additional information visit `http://www.siam.org/meetings/nc08/`.

31–April 4 **Applications of universal algebra and logic to the constraint satisfaction problem**, American Institute of Mathematics, Palo Alto, California. (Jun/Jul 2007, p. 783)
Description: This workshop, sponsored by AIM and the NSF, will be devoted to advancing the understanding of the computational complexity of the constraint satisfaction problem using methods and techniques from universal algebra and logic. The intended participants are researchers in computational complexity, universal algebra, and logic. By bringing together researchers from these three areas, progress could be made towards resolving long-standing open problems about the complexity of constraint satisfaction.
Organizers: Anuj Dawar, Phokion Kolaitis, Benoit Larose, and Matt Valeriote.
Deadline: November 15, 2007.
Information: See `http://aimath.org/ARCC/workshops/constraintsatis.html`.

April 2008

4–6 **AMS Central Section Meeting**, Indiana University, Bloomington, Indiana. (Jun/Jul 2007, p. 783)
Information: `http://www.ams.org/amsmtgs/sectional.html`.

17–18 **IMA Workshop: Network Dynamics and Cell Physiology**, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1381)
Organizers: Bela Novak (Budapest University of Technology and Economics), John Tyson (Virginia Polytechnic Institute & State University).
Information: Institute for Mathematics and its Applications, University of Minnesota, 400 Lind Hall, 207 Church St. SE, Minneapolis, MN 55455. Phone: 612-624-6066; email: `visit@ima.umn.edu`; `http://www.ima.umn.edu/2007-2008/T4.17-18.08/`.

21–25 **IMA Workshop: Design Principles in Biological Systems**, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1381)
Organizers: Bud Mishra (New York University), Partha Mitra (Cold Spring Harbor Laboratory).
Information: Institute for Mathematics and its Applications, University of Minnesota, 400 Lind Hall, 207 Church St. SE, Minneapolis, MN 55455. Phone: 612-624-6066; email: `visit@ima.umn.edu`; `http://www.ima.umn.edu/2007-2008/W4.21-25.08/`.

* 28–May 9 **NATO Advanced Study Institute, New Challenges in Digital Communications**, Vlora, Albania.
Program: A summer school for 2 weeks focused on coding theory and cryptography.
Director: T. Shaska.
Application Deadline: January 15, 2008.
Information: `http://www.albmath.org/nato/index.html`.

May 2008

3–4 **AMS Western Section Meeting**, Claremont McKenna College, Claremont, California. (Jun/Jul 2007, p. 783)
Information: `http://www.ams.org/amsmtgs/sectional.html`.

* 11–14 **SIAM Conference on Mathematical Aspects of Materials Science (MS08)**, Doubletree Hotel Philadelphia, Philadelphia, Pennsylvania.
Description: The conference gathers an interdisciplinary group working on the development and application of sound mathematical and computational methods in the scientific study and practical exploitation of materials. The conference provides a forum to highlight the progress in a broad range of areas of current technological interest. In keeping with the interdisciplinary nature of materials science, the conference welcomes scientists and mathematicians from diverse backgrounds, including for example, mechanics, physics, engineering, mathematical analysis, computational science and biology.
Information: `http://www.siam.org/meetings/ms08/`.

11–16 **CHT-08: Advances in Computational Heat Transfer**, Kenzi Farah Hotel, Marrakech, Morocco. (Jun/Jul 2007, p. 783)
Goal: Of the symposium is to provide a forum for the exposure and exchange of ideas, methods and results in computational heat transfer. Papers on all aspects of computational heat transfer - both fundamental and applied - will be welcome.
Organizers: International Centre for Heat and Mass Transfer, the CFD Research Laboratory of the University of NSW, Australia and the LEEVAM Research Laboratory of the University of Cergy-Pontoise, France with the participation of the Heat Transfer Division of ASME International and the assistance of the University of Cadi Ayyad, Marrakech and the University of Limoges, France .
Co-chairs: Graham de Vahl Davis and Eddie Leonardi, CFD Research Laboratory, School of Mech. & Manuf. Engineering, The University of NSW, Sydney, NSW, Australia 2052.
Deadlines: One page abstract: October 1, 2007. Full text of paper: December 15, 2007.
Information: email: `cht08@cfd.mech.unsw.edu.au`; `http://cht08.mech.unsw.edu.au/`.

12–16 **Ferroelectric Phenomena in Soft Matter Systems**, American Institute of Mathematics, Palo Alto, California. (Jun/Jul 2007, p. 783)
Organizers: Maria-Carme Calderer and Jie Shen.
Description: This workshop, sponsored by AIM and the NSF, will be devoted to the modeling, simulation and analysis of the ferroelectric phenomena in soft matter systems such as liquid crystals, elastomers and gels. The ferroelectric phenomena of these materials, such as its interaction with electric fields in switching processes, introduce new challenging problems that can only be properly addressed with a combined effort of theoretical and experimental physicists, and analytical and computational mathematicians.
Deadline: January 10, 2008.
Details: `http://aimath.org/ARCC/workshops/ferroelectric.html`. .

15–17 **Twelfth International Conference Devoted to the Memory of Academician Mykhailo Kravchuk (Krawtchouk) (1892–1942)**, Kyiv, Ukraine. (Jun/Jul 2007, p. 783)
Topics: (1) Differential and integral equations, its applications; (2) Algebra, geometry, mathematical and numerical analysis; (3) Theory of probability and mathematical statistics; (4) History, methods of teaching of mathematics.
Organizers: National Tech. Univ. of Ukraine (KPI), Inst. of Math. of NASU, National Shevchenko Univ., National Drahomanov Pedagogical Univ.
Deadlines: Abstracts of one page by March 1, 2008.
Languages: English, Ukraine, Russian.
Information: Ukraine, 03056, Kyiv-56, Peremohy Ave. 37, National Technical University of Ukraine (KPI), Phys.-Math. Departments, Corpus 7, Room 437, M. Kravchuk Conference, N. Virchenko; tel. (380) 44 454-97-40; email: `kravchukconf.@yandex.ru`.

18–21 **The 7th AIMS International Conference on Dynamical Systems, Differential Equations and Applications**, University of Texas at Arlington, Arlington, Texas. (May 2007, p. 666)
Aims and Topics: Keeping the tradition of the AIMS conference series, the conference covers all major areas of analysis and dynamics, with emphases on theory, methods, application, modeling and computations.
Format: There will be plenary talks; 30-minute special session talks; 20-minute contributed talks; and poster sessions. If you are

interested in proposing a special session, please contact Shouchuan Hu at `General@aimSciences.org`.

Organizing Committee: Jianzhong Su (Chair; `AIMS2008@uta.edu`), Jianping Zhu (Co-chair), Tuncay Aktosun, Gaik Ambartsoumian, Alain Bensoussan, Hristo V. Kojouharov, Cecelia Levings, Yue Liu, Peter Moore, Hua Shan.

Scientific Committee: Shouchuan Hu (Chair) Jerry Bona, Alberto Bressan, Adrian Constantin, Amadeu Delshams, Hiroshi Matano, Alain Miranville, Wei-Ming Ni, N.S. Papageorgiou, Jianzhong Su, Jianping Zhu. Coordinator: Xin Lu; `lux@uncw.edu`.

Deadline: February 29, 2008: For both submission of abstracts and early registration.

Information: `http://aimsciences.org/AIMS-Conference/2008/index.htm`.

26–30 IMA Workshop: Quantitative Approaches to Cell Motility and Chemotaxis, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1381)

Organizers: Robert Bourret (University of North Carolina), Alex Mogilner (University of California, Davis), Julie Theriot (Stanford University).

Information: Institute for Mathematics and its Applications, University of Minnesota, 400 Lind Hall, 207 Church St. SE, Minneapolis, MN 55455. Phone: 612-624-6066; email: `visit@ima.umn.edu`; `http://www.ima.umn.edu/2007-2008/W5.26-30.08/`.

*__26–30 Spring school in nonlinear partial differential equations__, Université catholique de louvain, Louvain-La-Neuve, Belgium.

Description: The thematic of the Spring school on nonlinear partial differential equations is centered around nonlinear elliptic partial differential equations. The four 6 hours lectures will deal with various modern and active research fields of the theory of partial differential equations that interplay one with the others. Participants will have the opportunity to present a short communication.

Information: email: `denis.bonheure@uclouvain.be`.

June 2008

4–7 First Joint International Meeting with the Sociedade Brasileira de Matematica, Instituto Nacional de Matematica Pura e Aplicada (IMPA), Rio de Janeiro, Brazil. (Jun/Jul 2007, p. 784)

Information: `http://www.ams.org/amsmtgs/internmtgs.html`.

9–13 12th International Conference on Hyperbolic Problems: Theory, Numerics, Applications, University of Maryland, College Park, Maryland. (Jun/Jul 2007, p. 784)

Important dates: Full consideration will be given to abstracts which are submitted before February 29, 2008. Notification of acceptance of papers: March 28, 2008. Registration fee at a reduced rate: April 11, 2008.

Information: `http://hyp2008.umd.edu`.

9–19 Advances in Set-Theoretic Topology: Conference in Honour of Tsugunori Nogura on his 60th Birthday, Centre for Scientific Culture "Ettore Majorana", Erice, Sicily, Italy. (Jun/Jul 2007, p. 784)

Organizers: Szymon Dolecki, Yasunao Hattori, Dmitri Shakhmatov, Gino Tironi.

Topics: Convergence properties and convergence structures; Dimension theory and related fields; General topology and its applications in other areas of mathematics; Hyperspaces, set-valued mapping and their selections; Set theoretic methods in mathematics; Set theory; Topological algebra (topological groups, functions spaces, etc.).

Information: `http://www.math.sci.ehime-u.ac.jp/erice/`; email: `erice@dmitri.math.sci.ehime-u.ac.jp`.

17–20 4th Croatian Mathematical Congress, Department of Mathematics, University of Osijek, Osijek, Croatia. (Jun/Jul 2007, p. 784)

Description: The Congress will have an international component, and it is open to all areas of mathematics.

Program: Includes Plenary Lectures, Croatian Mathematical Society award lecture, parallel sessions and posters. The parallel sessions include invited lectures and contributed talks selected by the Scientific Committee.

Organizers: Department of Mathematics, University of Osijek, Trg Ljudevita Gaja 6, HR-31 000 Osijek, Croatia . Croatian Mathematical Society, Bijenicka 30, HR-10 000 Zagreb, Croatia . Osijek Mathematical Society, Trg Ljudevita Gaja 6, HR-31 000 Osijek, Croatia .

Deadlines: March 15, 2008: For individual abstract submission. May 1, 2008: For notification of acceptance. May 15, 2008: For registration fee payment.

Information: Up-to-date information about the Congress will be available at the website `http://www.mathos.hr/congress2008`.

*__22–28 Combinatorics 2008__, Costermano, Verona, Italy.

Theme: The main theme of this conference is combinatorics, its links with geometry, algebra and graph theory and its applications to coding theory, cryptography and statistics.

Speakers: Rosemary A. Bailey, London University (UK); Marco Buratti, Università di Perugia (Italy); Frank De Clerck, Ghent University (Belgium); András Gács Eötvös University (Hungary); Hans Havlicek, Technische Universität, Wien (Austria); William M. Kantor, University of Oregon (USA); Jennifer D. Key Clemson University (USA); László Lovász, Eötvös University (Hungary); Spyros Magliveras, Florida Atlantic University (USA); Udo Ott, Braunschweig University (Germany); Olga Polverino, Seconda Università di Napoli (Italy); Cheryl Praeger, University of Western Australia (Australia); Chris Rodger, Auburn University (USA); Alexander Rosa, McMaster University (Canada); Neil J.A. Sloane, AT&T Shannon Laboratory (USA); Leo Storme, Ghent University (Belgium); Anne Street, University of Queensland (Australia); Vitaly Voloshin Troy University (USA).

Information: `http://combinatorics.ing.unibs.it`.

23–27 Hermitian Symmetric Spaces, Jordan Algebras and Related Problems, CIRM Luminy, Marseille, France. (Jun/Jul 2007, p. 784)

Information: This international conference is in honor of Prof. Jean-Louis Clerc; see `http://www.cirm.univ-mrs.fr/liste_rencontre/Rencontres2008/Koufany08/Koufany08.html` or `http://hssja08.iecn.u-nancy.fr/`.

25–27 ICNPAA 2008: Mathematical Problems in Engineering, Aerospace and Sciences [Theory, Methods (includes Experimental, Computational) and Applications], University of Genoa, Italy. (Jun/Jul 2007, p. 784)

Sponsors: IFNA, IFIP, AIAA University of Genoa, Italy

Deadlines: Organizing Special Session (To send the title of the session, name of the organizers): November 30, 2007. Final deadline for abstracts of the talks: February 15, 2008.

Scope: Includes mathematical problems in all areas of Engineering, Aerospace and sciences.

Organizers: Seenith Sivasundaram, USA; Marcello Sanguineti, Italy.

Information: Contact: ICNPAA 2008, 104 Snow Goose Court, Daytona Beach, Florida 32119; email: `Seenithi@aol.com`, `seenithi@gmail.com`; `http://www.icnpaa.com`.

29–July 4 IWASAWA 2008, Kloster Irsee, Germany. (Jun/Jul 2007, p. 784)

Information: Conference website: `http://www.irsee2008.de`.

30–July 4 ICMI/IASE Study: Statistics Education in School Mathematics: Challenges for Teaching and Teacher Education, ITESM, Monterrey, Mexico. (Dec. 2006, p. 1381)

Description: This study brings the mathematics and statistics education communities to work in collaboration with the aim of analysing the situation of teaching statistics at school level and making recommendations about how to train mathematics teachers to better succeed in educating statistical literate students.

Deadline: October, 1, 2007.
Information: `http://www.ugr.es/~icmi/iase_study/`.

July 2008

* 7–11 **VIII International Colloquium on Differential Geometry (E. Vidal Abascal Centennial Congress)**, Santiago de Compostela, Spain.
Topics: Foliation Theory. Riemannian Geometry.
Information: `http://xtsunxet.usc.es/icdg2008`.

14–18 **5th European Congress of Mathematics**, Amsterdam, the Netherlands. (Feb. 2007, p. 308)
Information: `http://www.5ecm.nl`.

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`.

22–26 **International Workshop on Operator Theory and its Applications (IWOTA)**, College of William and Mary, Williamsburg, Virginia. (Feb. 2007, p. 308)
Information: The up-to-date information about the conference is at `http://www.math.wm.edu/~vladi/IWOTA/IWOTA2008.htm`.

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. 2007, 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`.

24–27 (REVISED INFORMATION) **Vector Measures, Integration and Applications**, Katholische Universitaet Eichstaett-Ingolstadt, Eichstaett, Germany. (Feb. 2007, p. 308)
Organizers: W. J. Ricker & G. Mockenhaupt.
Information: `http://www-math-analysis.ku-eichstaett.de/vmia-2008/`.

October 2008

4–5 **AMS Western Section Meeting**, University of British Columbia and the Pacific Institute of Mathematical Sciences, Vancouver, Canada. (Jun/Jul 2007, p. 784)
Information: `http://www.ams.org/amsmtgs/sectional.html`.

11–12 **AMS Eastern Section Meeting**, Wesleyan University, Middletown, Connecticut. (Jun/Jul 2007, p. 784)
Information: `http://www.ams.org/amsmtgs/sectional.html`.

17–19 **AMS Central Section Meeting**, Western Michigan University, Kalamazoo, Michigan. (Jun/Jul 2007, p. 784)
Information: `http://www.ams.org/amsmtgs/sectional.html`.

24–26 **AMS Southeastern Section Meeting**, University of Alabama, Huntsville, Alambama. (Jun/Jul 2007, p. 784)
Information: `http://www.ams.org/amsmtgs/sectional.html`.

December 2008

17–21 **First Joint International Meeting with the Shanghai Mathematical Society**, Shanghai, China. (Jun/Jul 2007, p. 784)
Information: `http://www.ams.org/amsmtgs/internmtgs.html`.