

Mathematics Calendar

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

February 2007

* 5–7 **KNAW Academy Colloquium “New Perspectives on Games and Interaction”**, Royal Netherlands Academy of Arts and Sciences, Amsterdam, The Netherlands.

Aims and Scope: The purpose of this colloquium is to encourage incipient interactions between the various disciplines thinking about games and interaction, and clarify their common concerns and potential for fruitful collaboration. The colloquium will focus on Information flow and reasoning in interaction; Complexity and computation of interaction; Evolution of stability through interaction; and consist of fifteen invited talks by international speakers that cover various aspects of games in logic, computer science, economics, and linguistics. Each talk will be followed by a commentary and discussion.

Invited speakers: Samson Abramsky (Oxford), Wiebe van der Hoek (Liverpool), Alexandru Baltag (Oxford), Hans van Ditmarsch (Otago), Giacomo Bonanno (Davis CA), Jan van Eijck (Amsterdam/Utrecht), Adam Brandenburger (New York NY), Eric Pacuit (Amsterdam), Erich Grädel (Aachen), Jouko Väänänen (Amsterdam), Wilfrid Hodges (London), Francien Dechesne (Eindhoven), Natalia Komarova (Irvine CA), Jelle Zuidema (Amsterdam), Daniel Lehmann (Jerusalem), Ulle Endriss (Amsterdam), Ariel Rubinstein (Tel Aviv), Boudewijn de Bruin (Groningen), Dov Samet (Tel Aviv), Rineke Verbrugge (Groningen), Gabriel Sandu (Paris), Paul Dekker (Amsterdam), Brian Skyrms (Irvine CA), Gerhard Jäger (Bielefeld), Stef Tijs (Tilburg), Arantza Estevez Fernandez (Amsterdam), William Wadge (Victoria BC), Peter van Emde Boas (Amsterdam), Igor Walukiewicz (Bordeaux), Yde Venema (Amsterdam).

Information: email: voorlichting@bureau.knaw.nl; or <http://www.illc.uva.nl/KNAW-AC/>.

* 6–10 **28th Linz Seminar on Fuzzy Set Theory**, Bildungszentrum St. Magdalena, Linz, Austria.

Description: LINZ 2007 will be devoted to the mathematical aspects of “Fuzzy Sets, Probability and Statistics, Gaps and Bridges”. The last ten years have witnessed a significant development of theoretical aspects of imprecise probabilities, as well as non-Bayesian approaches for uncertainty modelling, risk analysis and decision. These developments have created bridges between probability, fuzzy sets, and possibility theory.

Aim: The aim of this meeting is to discuss the synergy between these fields, as well as to lay bare important open questions.

Information: <http://www.fl11.uni-linz.ac.at/research/linz2007/index.html>.

* 19–23 **School: Statistical Mechanics and Combinatorics**, Far Hills Inn and Centre de Recherches Mathématiques, Montréal, Québec, Canada.

Description: Workshop: *Combinatorial Problems Raised by Statistical Mechanics*. This workshop will include expository talks as well as presentations on current research on combinatorial problems raised by statistical mechanics. Topics of interest include: enumerative problems related to the classical models of statistical mechanics, algebraic methods related to functional equations, Mayer's theory and graph weights, Potts model on graphs, planar maps and 2-dimensional quantum gravity, Feynman diagrams, etc.

Goal: The goal of this mini-course is to introduce the basic methods of enumerative combinatorics and the concepts of Statistical Mechanics. The topics presented will include generating functions, combinatorial species, functional equations, asymptotics, classical models of statistical mechanics (polyominoes and animals, self-avoiding walks, gas models, Ising and Potts models, polymers and

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/>.

percolation), thermodynamic limits, phase transitions and Tutte polynomials. The school is intended for graduate students, postdocs and researchers wishing to be introduced to these questions.

Information: email: paradis@crm.umontreal.ca.

March 2007

- * 5–9 **School: Combinatorics on Words & Workshop on Recent Progress in Combinatorics on Words**, Centre de recherches mathématiques, Montréal, Québec, Canada.

Goal: The goal of this mini-course will be to introduce the basic methods of combinatorics on words. The topics will cover finite and infinite words, Sturmian words, patterns, codes, noncommutative series and polynomials. Lectures will be given by leading researchers in the field: tentatively Jean Berstel, Aldo de Luca, Christophe Reutenauer, and Bruce Sagan. This school is followed by the workshop on Recent Progress in Combinatorics on Words.

Information: email: paradis@crm.umontreal.ca; http://www.crm.umontreal.ca/Words_School07/index_e.shtml.

- * 12–16 **Workshop on Recent Progress in Combinatorics on Words**, Centre de recherches mathématiques, Montréal, Québec, Canada.

Description: This workshop will include expository talks as well as presentations on current research highlighting the flow of ideas between combinatorics on words and several other fields of mathematics and theoretical computer science. In particular, we want to stress combinatorial, algebraic and algorithmic aspects, while underlying the manifold interactions with other fields, and particularly Number Theory, Theoretical Computer Science and Algebra.

Information: email: paradis@crm.umontreal.ca; http://www.crm.umontreal.ca/Words07/index_e.shtml.

- * 19–23 **Motives and Algebraic Cycles, A Conference Dedicated to the Mathematical Heritage of Spencer J. Bloch**, Fields Institute, Toronto, Canada.

Information: <http://www.fields.utoronto.ca/programs/scientific/06-07/homotopy/motives/>.

- * 22–23 **DIMACS Workshop on Auctions with Transaction Costs**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey.

Description: Auction theory has been an exciting area of research this past ten years because of the many complications that arise from asymmetric information and the way different auction rules aggregate that information. Auction theories dealing with transaction costs are now being developed, however, and this conference will bring together researchers working on them.

Organizers: Eric Rasmusen, Indiana University, erasmuse@indiana.edu; Michael Rothkopf, Rutgers University, rothkopf@rutcor.rutgers.edu; Tuomas Sandholm, Carnegie Mellon University, sandholm+@cs.cmu.edu.

Local Arrangements: Workshop Coordinator, DIMACS Center, workshop@dimacs.rutgers.edu, 732-445-5928.

Information: See <http://dimacs.rutgers.edu/Workshops/Auctions/>.

- * 26–28 **Perspectives on Mathematical Practices 2007**, Vrije Universiteit Brussel, Brussels, Belgium.

Plenary speakers: David Corfield (Tübingen, Germany), José Ferreirós (Seville, Spain), Jens Høyrup (Roskilde, Denmark), Brendan Larvor (Hertfordshire, UK), Paolo Mancosu (Berkeley CA, US), Gianluigi Oliveri (Palermo, Italy), Yehuda Rav (Paris, France).

Contact: Perspectives on Mathematical Practices Conference, c/o Bart Van Kerkhove, Vrije Universiteit Brussel-CLWF, Pleinlaan 2, B-1050 Brussels, Belgium; clwf@vub.ac.be.

- * 26–30 **Homotopy theory of schemes (March-April)**, Fields Institute, Toronto, Canada.

Information: <http://www.fields.utoronto.ca/programs/scientific/06-07/homotopy/index.html>.

- * 30–April 1 **Texas Algebraic Geometry Symposium**, University of Texas, Austin, Texas.

Speakers: T. Bridgeland, L. Ein, Y. Hu, D. Huybrechts, J. Koll'ar, R. Lazarsfeld.

Information: email: benzvi@math.utexas.edu.

April 2007

- * 10–14 **The Geometric Langlands Correspondence**, Mathematical Institute, Oxford, England.

Lecturer: Lectures by David Ben-Zvi, University of Texas at Austin.

Information: See <http://www.maths.ox.ac.uk/~szendroi/langlands.html>.

- * 16–17 **4th Montreal Scientific Computing Days**, Centre de Recherches Mathématiques, Montréal, Quebec, Canada.

Short Courses: Randall LeVeque, University of Washington, USA, Finite-Volume Methods and Software for Hyperbolic PDEs and Conservation Laws; and Christoph Schwab, ETH Zurich, Switzerland, Numerical Methods for Operator Equations in High Dimensions.

Objective: The program includes two short courses offered by international experts, as well as a contributed poster session. Basing their decision upon the submitted abstracts for the posters, the organizers will invite a limited number of contributing authors to give a 15 minute oral presentation. Prizes will be awarded for the best poster and oral presentation. Students and post-doctoral researchers are especially encouraged to participate. Some financial support is available for out-of-town participants.

Fee: There is no fee to attend; however, registration is mandatory. For information on registration, to submit an abstract or apply for financial aid, please visit this site: <http://www.crm.umontreal.ca/Comp07/index.shtml>.

Deadline: The deadline for abstract submissions and financial aid requests is February 28, 2007.

- * 21–26 **The First IPM Conference on Algebraic Graph Theory (AGT 2007)**, School of Mathematics, Institute for Studies in Theoretical Physics and Mathematics, Tehran, Iran.

Description: The conference will provide researchers working in Graph Theory and Combinatorics an opportunity to present accounts of their current research, to identify challenges for the disciplines to undertake, and to suggest new approaches to explore; it will serve to establish connections between both individual researchers and between research areas, and so will also promote collaboration and new research.

Invited Speakers: Richard Brualdi (University of Wisconsin-Madison, USA), Andries Brouwer (Eindhoven University of Technology, The Netherlands), Peter Cameron (Queen Mary, University of London, UK), Drago Cvetkovic (Mathematical Institute SANU, Serbia), Chris Godsil (University of Waterloo, Canada), Ivan Gutman (University of Kragujevac, Serbia), Willem Haemers (Tilburg University, The Netherlands), Steve Kirkland (University of Regina, Canada), László Lovász (University of Washington, USA), Bojan Mohar (Simon Fraser University, Canada), Peter Rowlinson (University of Stirling, Scotland).

Information: <http://www.ipm.ac.ir/agt2007>.

- * 22–27 **Industry workshop & short course: The mathematics of electricity supply and pricing**, Holiday Inn, Surfers Paradise, Queensland, Australia.

Overview: This week long event will consist of a short course, invited lectures and contributed talks on the mathematics of electricity demand and pricing. The topics likely to be addressed will be: Generation modelling; Network modelling; Demand side response, Load forecasting; Power system stability; Optimal load flow; Market design; Derivative pricing; Pool market modelling; GHG reduction;

Risk management; Game theory and bidding; Credit risk; Risk-return and efficient frontiers; Liquidity risk implications; Transfer pricing; Network pricing; Risk margins; Forecasting; Portfolio risk management,

Program: The program for the workshop and short course is available at http://www.amsi.org.au/Electricity_program.php.

Deadline: Abstracts for contributed 25-minute talks should be submitted by email to esp07@amsi.org.au by January 22, 2007. Abstracts should be no more than 400 words, Helvetica 12-point font, preferably in .doc or .rtf format. If you use other formats, please send, in addition, a converted .pdf file.

Information: email: gkeen@unimelb.edu.au.

*25–27 **International Conference on Nonlinear Analysis and Optimization**, Isfahan, Iran.

Aim: The main aim of this conference is to gather researchers on nonlinear analysis and optimization, stimulate scientific information on nonlinear analysis and optimization, and to discuss recent advances in theoretical and applicable aspects of these areas.

Tentative list of Main Speakers: F. Flores-Bazan, <http://www.ing-mat.udec.cl/~fflores/>, F. Giannessi, <http://www.dm.unipi.it/~ricop/giannessi.html>, N. Hadjisavvas, <http://www.syros.aegean.gr/users/nhad/>, D. T. Luc, http://www.puf.edu.vn/index.php?option=com_content&task=view&id=45&Itemid, J. E. Martinez-Legaz, <http://pareto.uab.es/jemartinez/>, A. Maugeri, B. Mordukhovich, <http://www.math.wayne.edu/~boris/>, P. Pardalos, <http://www.ise.ufl.edu/pardalos/>, J. P. Penot, <http://lma.univ-pau.fr/membres/index.php>, T. Rapcsak, http://www.oplab.sztaki.hu/rapcsak/pub_en.htm, M. Thera, http://www.unilim.fr/pages_perso/michel.thera/, X. M. Yang, X. Q. Yang, <http://myweb.polyu.edu.hk/~mayangxq/index.htm>.

Information: <http://www.sci.ui.ac.ir/math/New/conference/index.html>.

*30–May 4 **School: Macdonald Polynomials & Workshop: Combinatorial Hopf Algebras and Macdonald Polynomials**, Centre de recherches mathématiques, Montréal, Québec, Canada.

Goal: The goal of this mini-course is to introduce the basic methods of Hopf algebras and their interactions with algebraic combinatorics. The topics presented will include: Combinatorial Hopf algebras, symmetric and quasisymmetric functions, Macdonald polynomials and ties with group representation theory. The school is intended for graduate students, postdocs and researchers wishing to be introduced to these questions.

Information: email: paradis@crm.umontreal.ca.

May 2007

*2–5 **Foundations of the Formal Sciences VI (FotFS VI): Reasoning about probabilities and probabilistic reasoning**, Universiteit van Amsterdam, Amsterdam, The Netherlands.

Invited Speakers: Luc Bovens (London), David Corfield (Tübingen), Branden Fitelson (Berkeley CA), Maria Carla Galavotti (Bologna), Anne-Sophie Godfroy-Genin (Paris), Peter Grünwald (Amsterdam), Joe Halpern (Ithaca NY), Barteld Kooi (Groningen), Teddy Seidenfeld (Pittsburgh PA).

Special progicnet session: Jan-Willem Romeijn (Amsterdam), Greg Wheeler (Lisboa), Jon Williamson (Canterbury).

Information: <http://www.math.uni-bonn.de/people/fotfs/VI/>.

*7–11 **Instructional conference solution methods for Diophantine equations**, Lorentz Center, Leiden, The Netherlands.

Aim: The instructional conference is meant for advanced master students, Ph.D.-students and young post docs up to 35 years. The aim of the conference is to give an introduction to the techniques which are used today in solving Diophantine equations, coming from Diophantine approximation (linear forms in logarithms, hypergeometric method), p-adic analysis (Chabauty's method), and modular functions and Galois representations (Wiles' method).

Speakers: Lectures will be given by Mike Bennett (UBC, Vancouver), Nils Bruin (SFU, Vancouver), Yann Bugeaud (Univ. Strasbourg), and Samir Siksek (Univ. Warwick).

Information: <http://www.lc.leidenuniv.nl/lc/web/2007/231/info.php?wsid=231>.

*7–11 **Workshop: Combinatorial Hopf Algebras and Macdonald Polynomials**, Centre de recherches mathématiques, Montréal, Québec, Canada.

Goal: The goal of this workshop is to take stock of ongoing work and of the many rich problems that still need to be addressed in two area, naturally linked through the combinatorics behind the study of Macdonald polynomials.

Scientific organizers: M. Aguiar (Texas A&M), F. Bergeron (UQAM), N. Bergeron (York), M. Haiman (Berkeley), and S. van Willigenburg (UBC).

Information: email: paradis@crm.umontreal.ca.

*14–16 **Workshop solution methods for Diophantine equations**, Lorentz Center, Leiden, The Netherlands.

Aim: The purpose of the workshop is to discuss recent developments in techniques to solve Diophantine equations. We intend to bring together some experts in the field, who cover all presently existing techniques, coming from Diophantine approximation, p-adic analysis, and Wiles' techniques based on modular forms.

Organizers: Frits Beukers (Utrecht), Jan-Hendrik Evertse (Leiden), and Rob Tijdeman (Leiden).

Information: <http://www.lc.leidenuniv.nl/lc/web/2007/230/info.php?wsid=230>.

*14–18 **Stacks in geometry and topology (May-June)**, Fields Institute, Toronto, Canada.

Information: <http://www.fields.utoronto.ca/programs/scientific/06-07/homotopy/index.html>.

*16–20 **Illinois Number Theory Fest**, University of Illinois at Urbana-Champaign, Illinois.

Main topics include (but not limited to): classical analytic number theory, combinatorial number theory, computational number theory, and Diophantine analysis.

Plenary Speakers (*tentative): George Andrews (Penn. St.), A.O.L. Atkin (UIC), Michael Bennett (UBC), Dan Bernstein (UIC), Ben Brubaker (MIT), Kathrin Bringmann (Wisconsin), Alina Cojocaru (UIC), Brian Conrey (AIM), Jean-Marc Deshouillers (Bordeaux), Peter Elliott (Colorado), Michael Filaseta (South Carolina), Kevin Ford (UIUC), John Friedlander (Toronto), Dan Goldston (San Jose St.), Andrew Granville (U. Montreal), Karl Mahlburg (MIT), Ram Murty (Queen's), Ken Ono (Wisconsin), Carl Pomerance* (Dartmouth), Peter Sarnak* (Princeton), Wolfgang Schmidt* (Colorado), Kannan Soundararajan (Stanford), Robert Vaughan (Penn. St.), Hugh Williams (Calgary), Ae Ja Yee (Penn. St.), Alexandru Zaharescu (UIUC).

Information: <http://www.math.uiuc.edu/numbertheoryfest/>

*20–26 **Braids and their ramifications**, Cortona, Italy.

Topics: Configuration Spaces, Arrangements, Mapping-Class Groups, 3-Manifolds.

Information: <http://www.dm.unipi.it/~gaiffi/braidscortona/>.

*21–June 1 **Algebraic Geometry and Algebraic Combinatorics**, Centre de Recherches Mathématiques, Montréal, Québec, Canada.

Description: Workshop: Interactions between Algebraic Combinatorics and Algebraic Geometry.

Organizers: François Bergeron (Université du Québec à Montréal), Sara Faridi (Dalhousie University), Anthony V. Geramita (Queen's University), Allen Knutson (University of California, Berkeley), Ravi Vakil (Stanford University).

Information: email: paradis@crm.umontreal.ca.

* 28–June 2 **Differential Equations, Theory of Functions, and Applications**, Novosibirsk State University, Novosibirsk, Russia.
Conference Topics: Differential Equations, Theory of Functions and Complex Analysis, Theory of Elasticity, Mathematical Modeling.
Information: For additional information visit the site of the Conference <http://math.nsc.ru/conference/invconf/veku07/eng/>.

June 2007

* 2–9 **Symmetry and Perturbation Theory**, Otranto (Lecce), Italy.
Information: To subscribe to our mailing list just send an empty mail to spt@sptspt.it with subject: SUBSCRIBE; <http://www.sptspt.it/>.

* 8–13 **The Ninth International Conference on Geometry, Integrability and Quantization**, Sts. Constantine and Elena resort, Varna, Bulgaria.

Aim: The overall aim is to bring together experts in Classical and Modern Differential Geometry, Complex Analysis, Mathematical Physics and related fields to assess recent developments in these areas and to stimulate research in related topics. <http://www.math.uni-bonn.de/people/fotfs/VI/>.

Scientific Programme: Two Lecture Courses of 4–5 talks each will be delivered by: Andreas Arvanitoyeorgos, Geometrical Aspects of Lie Groups and Homogeneous Spaces; Sebastian Montiel, An Introduction to the Dirac Operator in Riemannian Geometry; plus a few plenary lectures and at least 30-minute talks by the rest of the participants.

Information: <http://www.bio21.bas.bg/conference/>.

* 10–12 **Special Congress on the occasion of the 300th anniversary of Leonhard Euler's birth**, St. Petersburg, Russia.

Description: The Congress will include the Euler Festival and a series of satellite conferences. The main event will comprise a celebration meeting on June 10th and several invited talks related to Euler's tremendous scientific activity. The list of invited speakers will be announced in the near future.

Preliminary List of Conferences: L. Euler and modern combinatorics (A. M. Vershik), Euler Equations and Related Topics (G. A. Seregin), Euler Festival, Arithmetic Geometry (S. V. Vostokov), A conference in Geometry (Yu. D. Burago), The 17th Summer St. Petersburg Conference in Analysis (N. K. Nikolski, S. V. Kislyakov), Modular forms and moduli spaces (V. A. Gritsenko).

Support: The Congress is supported by the Government of Russia and the local authorities of St. Petersburg.

Information: We ask our colleagues who are interested in attending the event to inform us about this. Preliminary registrations should be made at: <http://www.pdmi.ras.ru/EIMI/Euler300/form1.html> or by e-mail: euler300@imi.ras.ru.

* 11–22 **Workshop: Real, Tropical, and Complex Enumerative Geometry**, Centre de recherches mathématiques, Montréal, Québec, Canada.

Information: email: paradis@crm.umontreal.ca.

* 11–July 6 **Clay Mathematics Institute 2007 Summer School on "Homogeneous flows, moduli spaces, and arithmetic"**, Centro di Ricerca Matematica Ennio De Giorgi, Pisa, Italy.

Description: Designed for graduate students and mathematicians within five years of their Ph.D., the program is an introduction to the theory of flows on homogeneous spaces, moduli spaces and their many applications. The school will consist of three weeks of foundational courses and one week of mini-courses focusing on more advanced topics. The foundational courses will be: "Unipotent flows and applications" (Alex Eskin & Dmitry Kleinbock), "Diagonalizable actions and arithmetic applications" (Manfred Einsiedler & Elon Lindenstrauss) and "Interval exchange maps and translation surfaces" (Jean-Christophe Yoccoz). Shorter courses will be given by Svetlana Katok and Shahar Mozes. Advanced

minicourses will be given by Nalini Anantharaman, Artur Avila, Hee Oh, Akshay Venkatesh and others.

Funding: Is available to graduate students and postdoctoral fellows who are within five years of receipt of their Ph.D. Standard support amounts will include funds for local expenses and accommodation plus economy travel.

Deadline: For application: February 28, 2007.

Information: For more information and an application form see http://www.claymath.org/programs/summer_school/2007/ or contact summerschool@claymath.org; tel: 617-995-2600.

* 15–24 **NEEDS 2007 (Nonlinear Evolution Equations and Dynamical Systems)**, L'Ametlla de Mar, Spain.

Description: An interdisciplinary character with emphasis on the following topics: Integrable and chaotic dynamical systems. Analytic, algebraic and geometric aspects of Integrable Systems. Mathematical methods in Quantum Mechanics: exact solutions, spectral problems... Nonlinear phenomena and applications: waves, solitons, pattern formation... .

Information: <http://www.needs-conferences.net/2007/>.

* 16–17 **NEEDS 2007 School**, L'Ametlla de Mar, Spain.

Description/Topics: This year, the workshop will be preceded by a school with the following courses: "An introduction to pattern formation", Alastair Rucklidge (Leeds University); "Properties of low dimensional dynamical systems in the large", Carles Simó (Universitat de Barcelona); "The transition from regular to irregular motion as travel on Riemann surfaces", Paolo M. Santini (Università di Roma "La Sapienza"); "Synchronization and networks" Steven H. Strogatz (Cornell University). Participation in the school is open to all participants in the NEEDS 2007 Workshop.

Information: <http://www.needs-conferences.net/2007/school1.php>.

* 17–23 **International Conference: Skorokhod Space. 50 Years On**, Institute of Mathematics of the National Academy of Sciences of Ukraine, Kyiv, Ukraine.

Topics: The method of a single probability space; topologies on the Skorokhod space; the Skorokhod reflection problem; measures in infinite dimensional spaces; the Skorokhod embedding problem; extended stochastic integrals; Markov processes and stochastic differential equations; limit theorems.

Deadlines: Registration deadline: February 1, 2007. Abstract Submission deadline: March 1, 2007.

Information: http://www.imath.kiev.ua/~skor_space/index.html; email: skor_space@imath.kiev.ua.

* 17–23 **Trends in Harmonic Analysis**, Strobl, Salzburg, Austria.

Topics: Time-frequency analysis, wavelet theory, pseudodifferential operators, sparse representations and probabilistic methods, computational methods, applications in signal and image processing

Plenary talks: Emmanuel Candes (California Institute of Technology; to be confirmed), Pete Casazza (Univ. of Missouri), Albert Cohen (Univ. Paris VI), Vladimir Temlyakov (Univ. of South Carolina), Roman Vershynin (Univ. of California at Davis).

Information: Online registration form: <http://www.univie.ac.at/nuhag-php/strobl07/registration.php>. For questions concerning the online registration please contact hara1d.schwab@univie.ac.at.

* 18–23 **Computability in Europe 2007 (CiE 2007)**, Siena, Italy.

Invited Plenary Speakers: Tutorials: Pieter Adriaans (Amsterdam), Kobi Benenson (Harvard). Plenary lectures: Anne Condon (Vancouver), Stephen Cook (Toronto), Yuri Ershov (Novosibirsk), Wolfgang Maass (Graz), Sophie Laplante (Paris), Anil Nerode (Cornell), Roger Penrose (Oxford), Michael Rathjen (Leeds), Dana Scott (Carnegie Mellon), Robert I. Soare (Chicago), Philip Welch (Bristol).

Deadline for Submission of Papers: January 12, 2007.

Information: <http://www.amsta.leeds.ac.uk/~pmt6sbc/cie07.html>.

*18–29 **Hamiltonian Dynamical Systems and Applications Systèmes Dynamiques Hamiltoniens et Applications**, Université de Montréal, Montréal, Québec, Canada.

Aim: This summer school is aimed primarily at postdoctoral fellows, doctoral students, and junior faculty.

Speakers: Kam Theory: Eliasson, Hakan, Université de Paris VII, France; Yuan, Xiaoping, Fudan University, People Republic of China; Stolovich, Laurent, Université de Toulouse, France. Hamiltonian PDE and small divisors: Poeschel, Jurgen, Stuttgart, Germany; Bourgain, Jean, Institute for Advanced Study (Princeton), USA. Hamiltonian PDE and Nekhoroshev theory: Bambusi, Dario, Università di Milano, Italy. Variational methods in Hamiltonian dynamics: Rabinowitz, Paul, University of Wisconsin-Madison, USA; Berti, Massimiliano, SISSA/ISAS, Italy. Arnold diffusion: Cheng, C.-Q., Nanjing University, People's Republic of China; De la Llave, Rafael, University of Texas at Austin, USA. Hamiltonian dynamical systems: Treschev, Dimitry, Moscow State University, Russia. Applications to celestial mechanics: Chenciner, Alain, Observatoire de Paris/CNRS, France. Applications to control theory: Agrachev, Andrei, SISSA/ISAS, Italy. Applications to PDE: Wayne, C. Eugene, Boston University, USA. Applications to averaging methods and adiabatic invariants: Neistadt, Anatoly, Space Research Institute, Russia.

Support/Deadline: Financial support available. Application Deadline: February 28, 2007.

Information: http://www.dms.umontreal.ca/sms/index_e.shtml.

*19–22 **Computational Algebraic Geometry**, Oakland University, Rochester, Michigan.

Overview: As computational techniques progress it has become possible to attack many problems of classical algebraic geometry from the computational point of view. The goal of this session is to review such techniques and bring together researchers from this area.

Topics: Algebraic curves and their automorphisms, Hurwitz curves, Jacobians of algebraic curves, curves with split Jacobian, rational torsion points in the Jacobian etc., computational number theory, rational points on curves, field of moduli and field of definition of algebraic curves, covering of the Riemann sphere by a generic curve of genus g , solvable monodromy groups, interaction between computational group theory and algebraic curves, groups acting on surfaces, loci of curves with prescribed automorphism group, Hurwitz spaces, braid action, invariants of binary forms, computational invariant theory, algebraic curves and coding theory, other related topics.

Deadline: For submitting papers to be considered for publication: June 1, 2007.

Information: If you are planning to attend please contact us at shaska@oakland.edu with a title and abstract. We would like to accommodate as many good quality talks as possible.

*20–23 **International Conference “Trends and Challenges in Applied Mathematics” (ICTCAM 2007)**, Technical University of Civil Engineering, Bucharest, Romania.

Topics: Mathematical modelling; Analysis and numerical methods; Optimization, operational researches and statistics.

Deadlines: March 15, 2007. Preliminary Registration; April 15, 2007. Registration and Abstract submission; April 30, 2007. Acceptance of paper presentation.

Information: Emil Popescu, epopescu@utcb.ro; <http://civile.utcb.ro/ictcam/>.

*26–29 **ALM (Adults learning mathematics) 14th International Conference**, Limerick University, Limerick, Republic of Ireland.

Information: For further details of the 14th annual international conference for researchers and practitioners in the field of adults learning mathematics see the ALM website: <http://www.alm-online.org/>.

*26–29 **Nonlinear Modeling and Control, An International Seminar**, Nayanova University, Samara, Russia.

Purpose: The seminar's aim is the exchange of information about recent trends in mathematical modeling and control theory and their applications to various problems in physics, chemistry, biology, medicine, economy, and industrial concerns.

Call for Papers: Original papers related to the aim of the Seminar are solicited. Potential speakers should submit an abstract before April 30, 2007. The cover page should contain title, affiliation, and e-mail address of each author. Electronic submissions in LATEX are encouraged.

Information and Submission: V. Sobolev, A. Pokrovskii. (Organizers, email: sable@ssu.samara.ru) or E. Shchetinina (Seminar Coordinator), email: schetinina_k@mail.ru, Nayanova University, Molodogvardeiskaya 196, Samara, 443001, Russia.

Languages: English and Russian.

Information and Submission: V. Sobolev, A. Pokrovskii (organizers, email: sable@ssu.samara.ru) or E. Shchetinina (seminar coordinator), email: schetinina_k@mail.ru; Nayanova University, Molodogvardeiskaya 196, Samara, 443001, Russia.

*29–July 1 **SIAM Conference on Control and Its Applications (CT07)**, Hyatt Regency San Francisco Airport, San Francisco, California.

Description: This conference will showcase a wide range of topics in control and systems theory. The topics and applications include real-time optimization and data assimilation, cellular and biological regulation, control techniques for financial mathematics, cooperative control for unmanned autonomous vehicles, biomedical control, risk sensitive control and filtering, control of smart systems, flow control and quantum control.

Deadlines: Minisymposium proposals: November 28, 2006. Abstracts for all contributed and minisymposium presentations: December 28, 2006.

Information: wilden@siam.org.

July 2007

*2–6 **19th International Conference on Formal Power Series and Algebraic Combinatorics**, Nankai University, Tianjin, China.

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

Invited Speakers: B. C. Berndt (Univ. of Illinois), P. Biane (Ecole Normale Supérieure, France), A. Buch (Rutgers Univ.), M. Crochemore (Univ. of Marne-la Vallée, France), E.-M. Feichtner (Univ. of Stuttgart, Germany), S. Fomin (Univ. of Michigan), E. Miller (Univ. of Minnesota), S. Okada (Nagoya Univ., Japan), P. Paule (RISC, Austria).

Deadlines: Submission of papers: Authors are invited to submit extended abstracts of at most twelve pages by November 19, 2006. Requests for support: March 1, 2007. Reduced registration fee: April 1, 2007.

Information: See <http://www.fpsac.cn/>.

*2–13 **Geometry and Lie Theory**, Australian National University, Canberra, and University of Sydney, Australia.

Description: In July, 2007, there will be a conference in Australia to mark the sixtieth birthday of Gus Lehrer. The conference will highlight recent advances in the representation theory of Lie groups and related areas, with a particular emphasis on geometric techniques. Over forty of the world's leading experts have agreed to attend the meeting, including Andersen, Ariki, Broue, Brundan, DeConcini, Gaitsgory, Ginzburg, Hain, Jantzen, Kleshchev, Procesi, Ringel, Rouquier, Segal and Shoji. The conference will take place over two weeks in July, with the first week (July 2-6) held at the ANU in Canberra and the second week (July 9-13) at the University of Sydney.

Information: More details, including registration and accommodation information, can be found on the conference web page: <http://www.maths.usyd.edu.au/u/SemConf/lehrerfest.html>.

*4–7 **APFA 6: Applications of Physics in Financial Analysis Conference**, ISCTE Business School, Lisbon, Portugal.

Aim: The aim of the conference is to bring together scientists, both economists and physicists, interested in problems in economics and finance.

Fees: The registration fee for scientists includes: Admission to all scientific sessions, conference kit, abstract booklet, 1 volume of Proceedings, welcome reception, coffee breaks, lunches, gala dinner and excursion. The registration fees are: Full: \$400.00. Individual Ordinary Members of EPS: \$300.00. Members of National Physical Societies: \$350.00. Ph.D. Student: \$300.00. Accompanying Person: \$200.00

Deadlines: Abstract Submission: Deadline: March 30, 2007. Abstract Acceptance Notification: April 30, 2007. Early Registration Deadline: June 15, 2007. APFA6 Conference Full-length Paper Submission Deadline: September 30, 2007.

Information: Further information can be obtained very soon from our website at <http://apfa6.dmq.eg.iscte.pt>.

*6–12 **Sixth Summer School on Potential Theory and Applications**, Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, Sofia, Bulgaria.

Topics: Potential theory with its broad spectrum of related fields and applications.

Deadlines: Registration: March 31, 2007. Abstract submission: April 30, 2007. Hotel registration: May 31, 2007.

Registration: To attend the meeting please fill out Registration Form in the web-page <http://www.math.bas.bg/complan/sspt2007> and send it before March 31 to the Organizing Committee by e-mail sspt2007@math.bas.bg.

Application Fees: 120 Euro, if paid before May 31. 150 Euro, if paid after May 31. Accompanying persons: 60 Euro.

Information: Prof. Dr. sci Ralitzia Kovacheva, IMI-BAS, Acad. Bonchev str. 8, 1113 Sofia, BG rkovach@math.bas.bg, sspt2007@math.bas.bg.

*22–28 **Topological Theory of Fixed and Periodic Points (TTFPP 2007)**, Conference Center of the Mathematical Institute of the Polish Academy of Sciences, Bedlewo near Poznan, Poland.

Program: The aim of the conference is to give the opportunity to present recent achievements and exchange new ideas in the field of fixed and periodic point theory.

Topics: Classical (Lefschetz and Nielsen) theories of fixed points. Lefschetz and Nielsen periodic point theories. Low dimensional discrete dynamical systems and periodic point theory, fixed point index and fixed point indices of iterations. Theory of fixed and periodic points of symplectic maps. Applications of theory of smooth dynamical systems in periodic point theory, connections with topological entropy, Hamiltonian maps.

Contact: ttfpp@amu.edu.pl.

Information: <http://www.staff.amu.edu.pl/~ttfpp/conference.html>.

*23–27 **VII Americas School in Differential Equations**, University of Cartagena, Cartagena, Colombia (South America).

Information: Jorge Cossio, americasvii@gmail.com; <http://www.math.hmc.edu/~castro/7asde.html>.

*24–27 **International workshop “Reliable Methods of Mathematical Modelling” (RMMM 2007)**, V. A. Steklov Institute of Mathematics, Saint Petersburg, Russia.

Aims and Scope: Workshop is organized to bring together specialists developing mathematical and computational methods intended to increase the reliability of the results obtained in various mathematical modeling methods.

Topics: Mesh-adaptive numerical methods in various applied problems, a posteriori error control and verification of numerical solutions, validation of mathematical models used in computer simulation.

Important Dates: Deadline for submission of applications: March 1, 2007. Confirmation of acceptance: April 1, 2007. Arrival: July 22 2007. Departure: July 28, 2007.

Information: <http://www.rmmm2007.org.ru>.

August 2007

*13–17 **Generic Case Complexity**, AIM Research Conference Center, Palo Alto, California.

Description: This workshop, sponsored by AIM and the NSF, will be devoted to exploring the potential contribution of generic-case complexity to cryptography. Generic-case complexity is a new complexity measure which seems to be useful for assessing the algorithmic security of public key cryptosystems. The intended participants include cryptographers, mathematicians, and students.

Deadline: April 1, 2007.

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

*19–25 **The Eighth International Workshop on Differential Geometry and its Applications**, Cluj-Napoca, Romania.

Program: 50-minute lectures and 25-minute talks. Poster communications are also envisaged. The PROCEEDINGS will be published.

Main Topics: CR-manifolds, Jordan geometry, geometry of immersions and of submanifolds, tube domains, Banach manifolds, geometry over general base fields and rings, geometric topology.

Confirmed Invited Speakers: W. Bertram (Nancy), G. Besson (Grenoble), I. Dimitric (Penn. State, Uniontown), J. Dorfmeister (Muenchen), L. Funar (Grenoble), G. Gentili (Firenze), W. Kaup (Tuebingen), T. Nomura (Kyushu Univ.), D. Otera (Palermo), D. Repovs (Ljubljana), L. Stacho (Szeged), N. Teleman (Ancona), H. Upmeyer (Marburg), W. Werner (Muenster).

Organizers: D. Andrica, Babes-Bolyai, Univ. Cluj-Napoca, Faculty of Mathematics and Computer Science, email: dandrica@math.ubbcluj.ro, R. Iordanescu, Institute of Mathematics of the Romanian Academy-Bucharest, email: radu.iordanescu@imar.ro, S. Moroianu, Institute of Mathematics of the Romanian Academy-Bucharest, email: sergiu.moroianu@imar.ro, M. Puta, Univ. of the West, Faculty of Mathematics, Timisoara, email: puta@math.uvt.ro.

Information: email: Radu.Iordanescu@imar.ro.

*27–29 **International Conference on Biomathematics 2007**, ITB, Bandung, Indonesia.

Plenary Speakers: Stephan A. van Gills (Utrecht, the Netherlands), Zhilan Feng (Purdue University, USA), J.A.P. Heesterbeek (Veterinary Medicine, Utrecht, the Netherlands), Sangkot Marzuki (*, Eijkman Institute, Indonesia), Mick Robert (Institute of Information and Mathematical Sciences, Massey University, New Zealand), Edy Soewono (Institut Teknologi Bandung, Indonesia), Asep Supriatna (Universitas Padjajaran, Indonesia).

Parallel Session: There are parallel sessions for contributed papers on the applications of mathematics in, but not limited to, epidemiology, population dynamics, bio-economics, biological control. Each contributed talk takes 20 minutes presentation.

Deadline: Please submit the abstract for contributed paper before May 1, 2007.

Information: <http://icobm07.math.itb.ac.id/>; email: icobm07@bdg.centrin.net.id.

September 2007

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

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>.

* 11–15 **CSL07: 16th EACSL Annual Conference on Computer Science and Logic**, Lausanne, Switzerland.

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/>.

* 17–21 **13th Czech-French-German Conference on Optimization**, University of Heidelberg, Heidelberg, Germany.

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 Valáúek (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>.

* 23–28 **14th Workshop on Stochastic Geometry, Stereology and Image Analysis**, Friedrich-Schiller-University Jena, Department of Stochastics, Jena, Germany.

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

* 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.

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>.

July 2008

* 14–18 **5th European Congress of Mathematics**, Amsterdam, the Netherlands.

Information: <http://www.5ecm.nl>.

* 22–26 **International Workshop on Operator Theory and its Applications (IWOTA)**, College of William and Mary, Williamsburg, Virginia.

Information: The up-to-date information about the conference is at <http://www.math.wm.edu/~vladi/IWOTA/IWOTA2008.htm>.

September 2008

* 24–27 **Vector Measures, Integration and Applications**, Katholische Universitaet Eichstaett-Ingolstadt, Eichstaett, Germany.

Organizers: W. J. Ricker & G. Mockenhaus.

Information: Will be updated and expanded in due course.