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# Mathematics Calendar

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

## April 2006

\*20–21 **Workshop in Mathematical Physics**, Stevens Institute of Technology, Hoboken, New Jersey.

**Aim:** Bringing together the researchers in mathematical physics in order to understand the state of the art in mathematical physics and discuss promising research directions in: Conservation Laws, Kinetic Equations, Nonlinear PDE's, Variational Principles; Riemann Boundary-Value Problems and Singular Integral Equations; Applications in Hydrodynamics, Theory of Elasticity, Fiber Optics, Magnetohydrodynamics (MHD), Contact Problems in Mechanics.

**Organizers:** P. Dubovski and M. Zabaranin.

**Information:** <http://personal.stevens.edu/~pdubovsk/mathphysics.html>; email: [pdubovsk@stevens.edu](mailto:pdubovsk@stevens.edu).

\*20–21 **Workshop in Mathematical Physics**, Stevens Institute of Technology, Hoboken, New Jersey.

**Description:** The workshop in Mathematical Physics aims at bringing together the researchers in mathematical physics in order to understand the state of the art in mathematical physics and discuss promising research directions in: Conservation Laws, Kinetic Equations, Nonlinear PDE's, Variational Principles; Riemann Boundary-Value Problems and Singular Integral Equations; Applications in Hydrodynamics, Theory of Elasticity, Fiber Optics, Magnetohydrodynamics (MHD), Contact Problems in Mechanics.

**Organizers:** P. Dubovski and M. Zabaranin.

**Information:** email: [pdubovsk@stevens.edu](mailto:pdubovsk@stevens.edu); <http://personal.stevens.edu/~pdubovsk/mathphysics.html>.

## May 2006

\*8–17 **The Fourth Annual Spring Institute on Noncommutative**

**Geometry and Operator Algebras: Noncommutative Geometry, Quantum Field Theory and Motives**, Vanderbilt University, Nashville, Tennessee.

**Description:** A combination of spring school and international conference. The conference will comprise a number of invited research talks and short contributions. We strongly encourage students and postdocs to attend this conference.

**Topics:** During the school part of the meeting several mini-courses on a variety of topics from noncommutative geometry, operator algebras and related topics will be given by leading experts.

**Minicourse speakers:** Alain Connes, Collège de France, IHES & Vanderbilt University; Katia Consani, Johns Hopkins University & University of Toronto; Herbert Gangl, Max-Planck-Institute Bonn; Li Guo, Rutgers University; Dirk Kreimer, IHES & Boston University; Yuri Manin, Northwestern University; Matilde Marcolli, Max-Planck-Institute, Bonn; Niranjana Ramachandran, University of Maryland; Laura Reina, Florida State University.

**Organizing committee:** Dietmar Bisch (Vanderbilt University); Alain Connes (Collège de France, IHES & Vanderbilt University; Director of the Fourth Annual Spring Institute); Bruce Hughes (Vanderbilt University); Gennadi Kasparov (Vanderbilt University); Matilde Marcolli (Max-Planck-Institute Bonn); Guoliang Yu (Vanderbilt University).

**Sponsors:** National Science Foundation through a Research Training Group grant, Vanderbilt University Department of Mathematics, Vanderbilt University College of Arts and Science.

**Information:** <http://www.math.vanderbilt.edu/~ncgoa06/>.

\*22–25 **Ecole de Printemps d'Analyse Fonctionnelle**, Faculté des Sciences, Rabat, Morocco.

**Program:** John Conway (University of Tennessee Knoxville), Gilles

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

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

**In general**, announcements of meetings and conferences held in North America carry only the date, title of meeting, place of meeting, names of speakers (or sometimes a general statement on the program), deadlines for abstracts or contributed papers, and source of further information. Meetings held outside the North American area may carry more detailed information. In any case, if there is any application deadline with

respect to participation in the meeting, this fact should be noted. All communications on meetings and conferences in the mathematical sciences should be sent to the Editor of the *Notices* in care of the American Mathematical Society in Providence or electronically to [notices@ams.org](mailto:notices@ams.org) or [mathcal@ams.org](mailto:mathcal@ams.org).

**In order** to allow participants to arrange their travel plans, organizers of meetings are urged to submit information for these listings early enough to allow them to appear in more than one issue of the *Notices* prior to the meeting in question. To achieve this, listings should be received in Providence **eight months** prior to the scheduled date of the meeting.

**The complete listing** of the Mathematics Calendar will be published only in the September issue of the *Notices*. The March, June/July, and December issues will include, along with new announcements, references to any previously announced meetings and conferences occurring within the twelve-month period following the month of those issues. New information about meetings and conferences that will occur later than the twelve-month period will be announced once in full and will not be repeated until the date of the conference or meeting falls within the twelve-month period.

**The Mathematics Calendar**, as well as Meetings and Conferences of the AMS, is now available electronically through the AMS website on the World Wide Web. To access the AMS website, use the URL: <http://www.ams.org/>.

Pisier (Université Pierre et Marie Curie, Paris, France), Thomas Ransford (Université Laval, Québec, Canada).

**Information:** email: elfallah@fsr.ac.ma.

\* 22-26 **Integrable Systems, Random Matrices, and Applications Conference in honor of Percy Deift's 60th Birthday**, Courant Institute of Mathematics Sciences, New York University, New York City, New York.

**Deadlines:** March 1, 2006 for those who want to be considered for a talk or poster or who want to apply for financial support. Otherwise the deadline for registration is May 1, 2006.

**Information:** <http://math.arizona.edu/~mc1/ISRMA.html>.

\* 22-26 **Knots, Groups and 3-Manifolds in Marseille 2006**, University of Provence, Marseille, France.

**Description:** The University of Marseille-Provence is organizing a Colloquium on Knot Theory, Low dimensional Topology and Group Geometry from May 22 to June 2, 2006 in Marseille (France). The conference is dedicated to the 60th birthday of Michel Domergue and to the memory of Yves Mathieu. The conference will be held during the first week, whereas the second is devoted to a Summer School on Heegaard-Floer homology and Khovanov homology, mainly intended for students.

**Organizing Committee:** P. Derbez & D. Matignon and secretaries A. Blanc & M.C. Tort.

**Scientific Committee:** M. Boileau (Univ. Paul Sabatier), C. Lescop (Inst. Fourier), J. Los (Univ. de Provence), M. Lustig (Univ. de Paul Cézanne), K. Millett (Univ. de Santa Barbara), H. Short (Univ. de Provence).

**Deadline to register:** February 26, 2006.

**Information:** LATP, Université de Marseille-Provence, CMI, 39 rue Joliot-Curie, 13453 Marseille Cedex 13, France; <http://www.cmi.univ-mrs.fr/%7Ematignon/colloquium2006.html>.

\* 29-June 2 **Analytic Function Spaces**, University of Joensuu, Joensuu, Finland.

**Topics:**  $Q^p$  classes and function spaces of several complex variables.

**Scientific committee:** Rauno Aulaskari (Joensuu), Miroslav Engliš (Prague) and Jari Taskinen (Helsinki). Main lectures will be given by Mats Andersson, Jonathan Arazy, David Bekolle, Bo Berndtsson, Aline Bonami, Huaihui Chen, Lewis Coburn, Konstantin Dyakonov, Daniel Girela, Kang-Tae Kim, Steven Krantz, Marco Peloso, Richard Rochberg, Harald Upmeyer, Zhijian Wu, Jie Xiao, Ruhan Zhao, Kehe Zhu.

**Deadline:** Deadline of registration is April 18th.

**Information:** <http://www.math.helsinki.fi/research/FMSvisitor0506/severalcv-conf/>.

## June 2006

\* 1-3 **Carleton Applied Probability Workshop**, Carleton University, Ottawa, Canada.

**Organizers:** A. Bose, Z. Gao, A. Jarai, D. Panario, and Y. Zhao (Carleton).

**Invited speakers:** Fan Chung Graham, Jim Dai, John Dixon, Jim Fill, Ingemar Kaj, Boris Pittel, Nick Wormald and Susan Xu.

**Sponsor:** The Fields Institute, Toronto, Ontario, Canada.

**Deadline:** To submit an abstract for contributed talks: May 1, 2006.

**Information:** [http://www.fields.utoronto.ca/programs/scientific/05-06/applied\\_probability/](http://www.fields.utoronto.ca/programs/scientific/05-06/applied_probability/).

\* 5-15 **Arithmetic and Geometry Around Quantization, European Mathematical Society Summer School**, Galatasaray University, Istanbul, Turkey.

**Purpose:** Bringing the leading experts in quantum groups, mirror symmetry, quantum knot invariants, noncommutative geometry, quantum chaos and related areas. The aim is to introduce 'quantum mathematics' to young researcher as well as to discuss the recent advances and open problems in these areas.

**Organizers:** Ozgur Ceyhan (MPI, Bonn), Kobi Kremnitzer (MIT, Cambridge), Altug Ozpineci (METU, Ankara), Muhammed Uludag (GSU, Istanbul).

**Speakers:** S. Akbulut (Michigan State University), P. Aluffi (Florida State University), D. Bar-Natan (University of Toronto), R. Bezrukavnikov (MIT), A. Braverman (Brown University)\*, T. Dereli (Koc University), K. Fukaya (Kyoto University), D. Gaitsgory (Harvard University), E. Getzler (Northwestern University), S. Gurevich (Tel Aviv University), R. Hadani (Tel Aviv University), J. Kamnitzer (MIT)\*, A. Klyachko (Bilkent University), M. Lapidus (University of California, Riverside)\*, Yu-I. Manin (Northwestern University), M. Marcolli (Max-Planck-Institute).

**Information:** Limited funding is available for graduate students and postdocs. For registration procedure and other information, please see the web page: <http://guests.mpim-bonn.mpg.de/aga>.

\* 8-10 **Lehigh University Geometry/Topology Conference**, Lehigh University, Bethlehem, Pennsylvania.

**Program:** Invited lectures and 40-minute contributed talks. Banquet honors C.C. Hsiung's 90th birthday, and 40 years of Journal of Differential Geometry.

**Confirmed speakers:** Fedor Bogomolov (Courant), Ralph Cohen (Stanford), Lisa Jeffrey (Toronto), Frank Morgan (Williams), Dennis Sullivan (Stony Brook).

**Support and Deadline:** NSF grant provides limited travel support (up to \$300) for recent Ph.D.'s, students, and members of underrepresented groups. Register by May 15.

**Information:** <http://www.lehigh.edu/~dlj0/geotop.html> or contact David Johnson, [dlj0@lehigh.edu](mailto:dlj0@lehigh.edu); tel: 610-758-3759?.

\* 10-16 **32nd International Conference "Applications of Mathematics in Engineering and Economics" (AMEE'06)**, Town of Sozopol, Bulgaria.

**Topics:** Potential theory and partial differential equations, mathematical analysis and applications, differential equations and differential geometry, theoretical and applied mechanics, operation research and statistics, numerical methods and mathematical modeling, computer science.

**Organizer:** The faculty of mathematics and informatics by the Technical University of Sofia, Bulgaria, Manager and Scientific Secretary of AMEE'06: Assoc. Prof. Michail Todorov.

**Information:** <http://www.tu-sofia.bg/fpm/amee>; email: [mtod@tu-sofia.bg](mailto:mtod@tu-sofia.bg).

\* 13-15 **2nd IMT-GT Conference on Mathematics, Statistics and Their Applications**, Gurney Hotel, Penang, Malaysia.

**Description:** Progress in the mathematical sciences within the IMT-GT region will benefit greatly from regular meetings and interaction amongst mathematicians and scientists in the region.

**Organizer:** Universiti Sains Malaysia in collaboration with The Malaysian Mathematical Sciences Society.

**Topics:** Mathematics, Applications of Mathematics, Statistics, Operations Research, Mathematics Education and Computer Science.

**Plenary Speakers:** Andonowati (Indonesia): Extreme Waves; Gan Eng Hui (Malaysia): Quality Control in Manufacturing Industries; E. Van Groesen (Netherlands): Mathematical Modelling of Tsunamis; Wolfgang Härdle (Germany): A Topic in Statistics; Kamel Ariffin Mohd. Atan (Malaysia): On the Explicit Estimation of Exponential Sums; I-Ming Tang (Thailand): Mathematica Modelling of Transmission of Avian Influenza Virus; Vu Kim Tuan (USA): Irregular Sampling of Bandlimited & Positive Frequency Signals. There will also be workshops on Bioinformatics, Graphing Calculators, Quality Control and Generation of Tsunamis.

**Information:** VISA. Please visit the Immigration Department of Malaysia web site for Visa regulations and forms.

\* 13-17 **CBMS conference on Cluster Algebras and Applications**, Raleigh, North Carolina.

**Principal speaker:** Andrei Zelevinsky (Northeastern University).

**Other speakers include:** M. Okado, N. Reading, H. Thomas, R. Schiffler etc.

**Support:** Available for graduate students and young researchers.

**Information:** email: [jing@math.ncsu.edu](mailto:jing@math.ncsu.edu).

\* 15-22 **Operator Theory, Analysis and Mathematical Physics: OTAMP2006**, Lund Institute of Technology, Lund, Sweden.

**Purpose:** To bring together researchers working in operator theory, analysis and their applications in mathematical physics.

**Special sessions:** I. Spectral analysis of Schrödinger operators. II. Jacobi matrices and CMV matrices and orthogonal polynomials. III. Quasi-periodic and random Schrödinger operators. IV. Quantum graphs.

**Organizing Committee:** Jan Janas (Krakow), Pavel Kurasov (Lund), Ari Laptev (Stockholm), Serguei Naboko (St.Petersburg), Gunter Stolz (Birmingham, USA).

**Lecturers:** M. Aizenman (USA), S. Albeverio (Germany), A. Avilla (France), J. Bellissard (France-USA), Ch. Bennowitz (Sweden), M. Brown (UK), Y. Colin de Verdiere (France), M. Combes (France), D. Damanik (USA), J. Dereziński (Poland), J. Geronimo (USA), F. Gesztesy (USA), L. Golinskii (Ukraine), H. Hedenmalm (Sweden), S. Jitomirskaya (USA), Yu. Karpeshina (USA), J. P. Keating (UK), A. Kiselev (USA), Y. Last (Israel), A. Magnus (Belgium), B. Pavlov (New Zealand), B. Simon (USA), J. Stochel (Poland), R. Weder (Mexico), and R. Weikard (Birmingham, USA).

**Deadlines:** April 1, 2006: Titles and abstracts of the proposed talks; May 1, 2006: Reduced registration fee.

**Information:** <http://www.maths.lth.se/~kurasov/OTAMP2006/OTAMP2006.html>; email: [otamp2006@maths.lth.se](mailto:otamp2006@maths.lth.se).

\* 19-23 **La Pietra Week in Probability, Firenze 2006: Stochastic Processes in Mathematical Physics**, Villa La Pietra, Firenze, Italy.

**Description:** La Pietra Week in Probability 2006 will be a school and conference presenting relevant topics in the probabilistic approach to Mathematical Physics, including some of the most recent advances and some of the prospective challenges of the field. During the meeting we take the occasion to celebrate Michael Aizenman's and Chuck Newman's 60th birthdays.

**Scientific Committee:** J. Lebowitz (Rutgers University), A. Klein (University of California, Irvine), A. Gandolfi (Università di Firenze), V. Sidoravicius (IMPA, Rio de Janeiro).

**Minicourses:** The school will feature three mini-courses, planned at advanced Ph.D. level, held at the beginning of the week by: J. Chayes (Microsoft Research) G. Giacomin (Université Paris 7) W. Werner (Université Paris-Sud).

**Conference speakers:** G. Ben Arous (EPF Lausanne) F. Camia (Vrije Universiteit Amsterdam) P. Contucci (Università di Bologna) B. Derrida (Ecole Normale, Paris) B. Duplantier (CEA, Saclay) L. R. Fontes (IME, Sao Paulo) G. M. Graf (ETH, Zürich) A. Klein (University of California, Irvine) J. Lebowitz (Rutgers University) E. Lieb (Princeton University) F. Martinelli (Università di Roma 3) E. Presutti (Tor Vergata, Roma) J. Schenker (IAS, Princeton) S. Sheffield (Courant Institute, New York) V. Sidoravicius (IMPA, Rio de Janeiro) S. R. S. Varadhan (Courant Institute, New York) S. Warzel (Princeton University) E. Waymire (Oregon State University).

**Organizing committee:** D. Stein (New York University), B. Duplantier (CEA, Saclay) A. Gandolfi (Università di Firenze), M. Isopi (La Sapienza, Roma), P. Contucci (Università di Bologna), M. Romito (Università di Firenze).

**Deadline:** April 15th, 2006.

**Information:** <http://www.math.unifi.it/LaPietra>.

**July 2006**

\* 3-22 **Summer School & Conference: Valuation Theory and Integral Closures in Commutative Algebra**, University of Ottawa, Ottawa, Ontario, Canada.

**Organizers:** Steven Dale Cutkosky (University of Missouri-Columbia), Sara Faridi (Dalhousie University), Franz-Viktor Kuhlmann (University of Saskatchewan), Irena Swanson (New Mexico State University).

**Program:** Week 1: School; 1. Introduction to Valuations, 2. Rees Valuations and Integral Closure of Ideals, Week 2: School; 1. Combinatorial and Computational Techniques for Computing Integral Closures, 2. Further Developments and Applications of Valuation Theory, Week 3: Conference.

**Deadlines:** Feb. 1: Application for funding. Feb. 1: Submission of abstracts to be considered for conference. Mar. 1: Notification of funding. Mar. 30: Application for summer school (no funding). May 15: Conference registration.

**Information:** <http://www.mathstat.dal.ca/~faridi/integral-closure.html>.

\* 10-13 **Markov Processes and Related Topics**, University of Wisconsin-Madison, Madison, Wisconsin.

**Description:** To honor Tom Kurtz on his 65th birthday for his many fundamental contributions to probability theory.

**Information:** For a list of Invited Speakers, go to <http://www.math.utah.edu/~ethier/kurtzfest.html>. There will also be contributed talks.

\* 10-15 **Workshop on Stochastic Eigen-Analysis (Random Matrices) and its Applications**, MIT, Cambridge, Massachusetts.

**Description:** To bring together mathematicians, statisticians, scientists and engineers to share recent work related to random matrices and discuss future directions.

**Information:** <http://web.mit.edu/sea06/>.

\* 12-15 **Geometric Analysis and Applications**, University of Illinois, Urbana-Champaign, Illinois.

**Focus:** On recent developments in the study of geometry and analysis in metric measure spaces (with an emphasis on sub-Riemannian geometry) and several applications to problems "outside" of mathematics (in particular: robotics, control theory, geometry of the visual cortex, and digital image reconstruction).

**Invited Speakers:** Zoltan M. Balogh (University of Bern), Anthony Bloch (University of Michigan), Mario Bonk (University of Michigan), Roger Brockett (Harvard University), Monique Chyba (University of Hawaii), Giovanna Citti (University of Bologna), Michael Cowling (University of New South Wales), Selim Esedoglu (University of Michigan), Bruce Kleiner (Yale University), Adam Koranyi (City University of New York, Lehman College), Pertti Mattila (University of Helsinki), Jean Petitot (Centre d'Analyse et de Mathématiques Sociales, Paris), Alessandro Sarti (University of Bologna). While some of the invited lecturers may fall into purely one category ("pure" or "applied"), a substantial number of lecturers will speak on aspects of both pure and applied topics.

**Organizers:** Luca Capogna, [capogna@lagrange.uark.edu](mailto:capogna@lagrange.uark.edu); Scott Pauls, [scott.pauls@dartmouth.edu](mailto:scott.pauls@dartmouth.edu); Jeremy Tyson, [tyson@math.uiuc.edu](mailto:tyson@math.uiuc.edu).

**Information:** <http://www.math.uiuc.edu/~tyson/UIUC06.html>.

\* 14-31 **The ninth International Diffiety School**, Santo Stefano del Sole, Avellino, Italy.

**Aim:** To introduce undergraduate and Ph. D. students in Mathematics and Physics as well as post-doctoral researchers in a recently emerged area of Mathematics and Theoretical Physics: Secondary Calculus. A diffiety is a new geometrical object that properly formalizes the concept of the solution space of a given system of (nonlinear) PDEs, much as an algebraic variety does with respect to solutions of a given system of algebraic equations. Secondary Calculus is a natural diffiety analogue of the standard Calculus on smooth manifolds, and as such leads to a very rich general theory of nonlinear PDEs. Moreover, it appears to be the unique natural language for quantum physics, just as the standard Calculus is the natural language for classical physics.

**Deadline:** June 30, 2006.

**Information:** A. M. Vinogradov; email: [school06@diffiety.org](mailto:school06@diffiety.org); <http://diffiety.ac.ru>.

## August 2006

\* 16–19 **Satellite conference on Algebraic Geometry**, Segovia Campus of the Universidad de Valladolid, Segovia, Spain.

**Description:** Satellite Conferences are relevant scientific activities organized around ICM Madrid 2006. This conference will deal with recent trends in Algebraic Geometry.

**Main Speakers:** J. I. Burgos, G. M. Greuel, P. Griffiths, J. Lipman, Z. Mebkhout, T. Pantev, M. Reid, A. Sommese

**Sessions:** Interactions with physics, Classical geometry and Singularities.

**Speakers (with \* to be confirmed):** R. Donagi, C. Hertling, R. Kaufmann, A. Kuznetsov, Orlov\*, M. Popa, B. Totaro, D. Van Straten\*, J. Wahl\*, J. A. Wisniewski.

**Information:** <http://www.escet.urjc.es/satellite/>.

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

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

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

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

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

**Information:** For further information and queries, please contact the conference secretariat: email: [gesta@vilma.upc.edu](mailto:gesta@vilma.upc.edu); <http://www.ma1.upc.edu/gesta>.

\* 31–September 2 **Geometry and Topology of Low Dimensional Manifolds**, Burgo de Osma, Spain.

**Description:** A satellite conference to ICM 2006, Madrid, Spain.

**Plenary Speakers:** Michel Boileau (Univ. Paul Sabatier, Toulouse); Cameron Gordon (Univ. of Texas, Austin); William Harvey (Kings College, Univ. of London); Gareth A. Jones (Univ. of Southampton); Louis H. Kauffman (Univ. of Illinois, Chicago); Alexander Mednykh (Sobolev Inst. of Math., Novosibirsk); Hugh Morton (Univ. of Liverpool); Sergei Natanzon (Independent Univ. of Moscow); Jozef Przytycki (The George Washington Univ., Washington DC); Jürgen Wolfart (Univ. of Frankfurt).

**Information:** <http://www.mai.liu.se/LowDim>.

## September 2006

\* 1–4 **SCRA 2006-FIM XIII, Thirteenth International Conference of Forum for Interdisciplinary Mathematics**, New University of Lisbon–Tomar Polytechnic Institute, Lisbon, Portugal.

**Theme:** Interdisciplinary Mathematical and Statistical Techniques.

**Speakers:** C. R. Rao (Penn State), Barry Arnold (University of California, USA), Carlos Brauman (Evora, Portugal), Tadeusz Calinsky (Poznan, Poland), Angela Dean (Ohio State, USA), Malay Ghosh (Florida, USA), Ivete Gomez (Lisbon, Portugal), Benjamin Kedem (Maryland, USA), and John Stufken (Georgia, USA).

**Information:** Contact: Sat Gupta ([sngupta@uncg.edu](mailto:sngupta@uncg.edu)), Carlos Coelho ([cmac@fct.unl.pt](mailto:cmac@fct.unl.pt)) or Satya Mishra ([mishra@jaguar1.usouthal.edu](mailto:mishra@jaguar1.usouthal.edu)); <http://scra2006.southalabama.edu/>.

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

\* 4–6 **Optimal Discrete Structures and Algorithms (ODSA 2006)**, University of Rostock, Rostock, Germany.

**Information:** <http://www.math.uni-rostock.de/odsa/>.

\* 8–12 **1st Dolomites Workshop on Constructive Approximation and Applications: Dedicated to Walter Gautschi for his 50 years of professional activity**, Alba di Canazei, Trento, Italy.

**Topics:** Approximation by Multivariate Polynomials (Interpolation, Orthogonal Polynomials,...), Approximation by Radial Basis Functions and other Meshfree Methods, Cubature Methods, Computational Tools, Applications to Scientific Computing, Applications to Numerical Modelling in Engineering and Finance.

**Speakers:** Bojanov B. (Sofia, BG), Bos L. (Calgary, CA), Bozzini M. (Milan, I), Brezinski C. (Lille, F), Buhmann M. (Giessen, D), Fasshauer G. (Chicago, IL, USA), Iske A. (Hamburg, D), Levesley J. (Leicester, UK), Montefusco L. (Bologna, I), Sauer T. (Giessen, D), Schaback R. (Goettingen, D), Sloan I. (Sydney, AU), Wendland H. (Dresden, D), Xu Y. (Eugene, OR)

**Registration:** Since the meeting is limited to at most 80 participants, people interested in participating in this workshop are invited to pre-register.

**Information:** <http://www.sci.univr.it/~dwcaa06>.

\* 11–15 **Complexity of mappings in CR geometry**, AIM Research Conference Center, Palo Alto, California.

**Topics:** Study mappings in CR geometry. Participants will focus on a quite specific part of this general subject, namely the relationship between the complexity of a CR mapping and the complexity of the CR structures on the domain and target manifolds.

**Goals:** To determine the fundamental notions of CR complexity and to prove sharp results about these notions; to organize CR complexity theory into a broad framework that will be useful in CR geometry and also apply to other parts of mathematics; to bring active senior researchers and young mathematicians together to work in a focused manner that will forge interactions and guide future research.

**Organizers:** Peter Ebenfelt and John P. D'Angelo.

**Sponsors:** AIM and the NSF.

**Deadline:** June 11, 2006.

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

\* 15–19 **International Conference of Numerical Analysis and Applied Mathematics 2006 (ICNAAM 2006)**, Hotel Belvedere Imperial, Hersonnisos, Crete, Greece.

**Aim:** To bring together leading scientists of the International Numerical & Applied Mathematics community and to attract original research papers of very high quality.

**Topics:** The topics to be covered include (but are not limited to): All the research areas of Numerical Analysis and Computational Mathematics and all the research areas of Applied Mathematics: (see <http://www.icnaam.org/topics.htm>).

**Scientific committee:** G. Vanden Berghe, Belgium; S.C. Brenner, USA; J. R. Cash, UK; R. Cools, Belgium; A. Cuyt, Belgium; B. Fischer, Germany; R. W. Freund, USA; I. Gladwell, USA; B. Hendrickson, USA; W. F. Mitchell, USA; G. Psihoyios, UK; T. E. Simos, Greece; W. Sproessig, Germany; Ch. Tsitouras, Greece; G. Alistair Watson, UK.  
**Invited Speakers:** Peter R. Graves-Morris, University of Bradford, UK; Gene H. Golub, Fletcher Jones Professor of Computer Science, Stanford University, USA; Bernhard Beckermann, Université des Sciences et Technologies de Lille, France; Gerard L. G. Sleijpen,

Utrecht University, The Netherlands; Mourad E. H. Ismail, University of Central Florida, USA; Ronald Hoppe, University of Augsburg, Germany, University of Houston, USA; Guido Vanden Berghe, Universiteit Gent, Belgium; Yang Chen, Imperial College London, UK and Center for Combinatorics, Nankai University, P. R. China; Vladislav V. Kravchenko, Instituto Politecnico Nacional, Mexico.

**Information:** Secretary ICNAAM; email: [icnaam@uop.gr](mailto:icnaam@uop.gr), 10 Konitsis Street, Amfitea-Paleon Faliron, GR-175 64, Athens, Greece; fax: +30210 94 20 091 or + 302710 237 397.

\*25-26 **Conference on Mathematics and its Applications**, The University of the West Indies, St. Augustine, Trinidad.

**Organizing Committee:** B. Bhatt (chairman), [bbhatt@fsa.uwi.tt](mailto:bbhatt@fsa.uwi.tt), D. Owen, [dowen@carib-link.net](mailto:dowen@carib-link.net), G. Shrivastava, [shriv@eng.uwi.tt](mailto:shriv@eng.uwi.tt), C. Ward, [cward@fsa.uwi.tt](mailto:cward@fsa.uwi.tt), R. Dow, [rdow@eng.uwi.tt](mailto:rdow@eng.uwi.tt), L. M. Pinto Pereira, [lexelyp@gmail.com](mailto:lexelyp@gmail.com).

**Invited Speakers:** T. J. Pedley (Cambridge, UK), J. C. R. Hunt (LIMS & UCL, UK), K. R. Sreenivasan (ICTP, Italy), L. Moseley (UWI, CaveHill).

**Conference Themes:** Medicine, Environment, Information Processing, Biology, Epidemiology, Petroleum Engineering, Hydrology, Meteorology & Seismic Phenomena, Physiological flows, General.

**Important Deadlines:** Due date for abstracts: March 31, 2006; Acceptance Notification: April 30, 2006; Full paper: July 31, 2006; Registration fees: July 31, 2006.

**Information:** Instructions and how to participate and more at: <http://sta.uwi.edu/conferences/cmaia/>; email: [cmaia@fsa.uwi.tt](mailto:cmaia@fsa.uwi.tt).

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## October 2006

\*4-6 **Second Announcement: International Conference on Multi-field Problems**, Universität Stuttgart, Stuttgart, Germany.

**Topics:** Numerical analysis and efficient algorithms, Volume coupling in suspensions and porous media, Surface coupled problems, Material modeling and multiscale problems.

**Plenary Speakers:** F. Baaijens (Eindhoven); M. Celia (Princeton); J. Delfs (Braunschweig); P. Deuflhard (Berlin); R. Klein (Berlin); T. Laursen (Durham); M. Ortiz (Pasadena); A. Quarteroni (Lau-sanne/Milano).

**Deadlines:** Each participant is invited to give a contributed talk. Prospective speakers are asked to submit a one-page abstract by April 15, 2006. Deadline for conference early registration is May 31, 2006.

**Information:** For up-to-date information on the conference and online-registration, please visit the web-site: <http://www.icmp.uni-stuttgart.de>.

\*23-27 **Spectra of families of matrices described by graphs, digraphs, and sign patterns**, AIM Research Conference Center, Palo Alto, California.

**Aim:** During the workshop we hope to resolve the  $2n$ -conjecture and develop new approaches to the minimum rank problem that will lead to significant progress in the future. We hope to get a clearer picture of how energy depends on graph structure, and in particular, to understand the structure of graphs with maximal or minimal energy.

**Topics:** This workshop, sponsored by AIM and the NSF, will bring together people interested in combinatorial matrix theory and spectral graph theory for investigation of the following problems: The  $2n$ -conjecture for spectrally arbitrary sign patterns. Determination of the minimum rank of symmetric matrices described by a graph. The energy of graphs.

**Organizers:** Leslie Hogben, Richard Brualdi, and Bryan Shader.

**Deadline:** July 23, 2006.

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

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## November 2006

\*8-10 **Policy and Practice in Mathematics and Science Teaching and Learning in the Elementary Grades**, American University of

Beirut, Beirut, Lebanon.

**Goals:** The major goals of the International Symposium are: (a) to share innovative, unique and creative solutions for enacting reform in the areas of elementary mathematics and science teacher preparation and development, school organization, policy, and classroom practices; (b) to document and widely disseminate ideas presented at the symposium; (c) to initiate new and creative solutions to endemic problems; and (d) to initiate discussion of a grant proposal to enact and study the enactment in International House School settings of some of the innovative ideas presented in the Symposium.

**Deadlines:** Proposals are sought in the following areas: Teacher preparation and ongoing development, Policy initiatives, School organization, Classroom practices. Completed proposals are due no later than May 15, 2006.

**Information:** email: [arogerson@inetia.pl](mailto:arogerson@inetia.pl).

\*8-12 **Policy and Practice in Mathematics and Science Teaching and Learning in the Elementary Grades**, Beirut, Lebanon.

**Organizers:** Marj Henningsen and Madeleine Long, in cooperation with our project.

**Information:** email: [arogerson@inetia.pl](mailto:arogerson@inetia.pl).

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

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## September 2007

\*7-13 **9th International Conference of The Mathematics Education into the 21st Century Project**, Charlotte, North Carolina.

**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@vsg.edu.au](mailto:arogerson@vsg.edu.au).

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## September 2008

\*12-18 **Models in Developing Mathematics Education**, Dresden University of Applied Sciences, Dresden, Germany.

**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](mailto:arogerson@inetia.pl).

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## December 2008

\*9-18 **Models in Developing Mathematics Education**, Dresden, Germany.

**Description:** Just to alert you to the dates of our 10th Project Conference.

**Organizer:** Ludwig Paditz (chairman).

**Information:** email: [arogerson@vsg.edu.au](mailto:arogerson@vsg.edu.au).