
Mathematics Calendar

January 2009

* 5–February 6 **Progress in Stein’s Method**, Institute for Mathematical Sciences National University of Singapore, Singapore.

Description: In view of the breadth and diversity of these and other recent advances, the time is now ripe to hold a further program, with the aim of bringing together the people actively involved in the area, and of cementing and further promoting the development of the field. In addition to the general scientific aim, program is also designed to develop research in Stein’s method in Southeast Asia, where there is a growing interest in the method. It also aims, by way of a series of tutorial lectures, to encourage more young mathematicians to undertake research in the field.

Information: <http://www.ims.nus.edu.sg/Programs/stein09/index.htm>; email: imscec@nus.edu.sg.

* 25–30 **“First Winter School at IMDEA on PDE’s and Inequalities”**, IMDEA Matematicas, C-IX, UAM, Campus Cantoblanco, (28049) Madrid, Spain.

Description: A Winter School on PDEs and Inequalities with Courses by Almut Burchard (Toronto); Frank Duzaar (Erlangen); Nicola Fusco (Naples). Invited lectures and short talks.

Information: For more information and registration; visit: <http://www.dimat.unipv.it/~pratelli/pde2009>; <http://mate.dm.uba.ar/~jrossi/pde2009>; or you may contact: xemailpde2009@imdea.org.

February 2009

* 19–20 **Ph.D.’s in Logic**, Department of Pure Mathematics and Computer Algebra, Ghent University, Building S22, Krijgslaan 281, 9000 Gent, Belgium.

Description: The aim of the colloquium is to bring together young researchers in the field of logic. During these two days there will be 6 tutorials in total, 3 about mathematical and 3 about philosophical logic. In addition, Ph.D. students and postdocs in mathematical or philosophical logic are invited to give a presentation. In combination with the planned social activity this will hopefully lead to a better overview of the current research in logic and even joint work. Of course, everyone is invited to attend the tutorials and contributed talks! Tutorials in mathematical logic: Raf Cluckers (K.U. Leuven), Benedikt Löwe (University of Amsterdam), Françoise Point (Mons-Hainaut University). Tutorials in philosophical logic: Reinhard Muskens (Tilburg University), Karl-Georg Niebergall (HU Berlin), Jean Paul Van Bendegem (Vrije Universiteit Brussel).

Information: <http://www.phdsinlogic.ugent.be>.

March 2009

* 22–28 **Talbot Workshop 2009: Fukaya Categories**, Nags Head, North Carolina.

Description: Workshop focused on the construction of the Fukaya category associated to a symplectic manifold and the geometric structure it encodes. Specifically, topics developed will include A-infinity categories, Lagrangian Floer (co)-homology and its obstructions, the Fukaya and derived Fukaya categories, and applications to questions in symplectic geometry and the Homological Mirror Symmetry conjecture. Discussions will have an expository character and will be aimed at graduate students and junior faculty interested in this area.

Information: <http://math.mit.edu/talbot>; email: gwilliam@math.northwestern.edu.

* 25–26 **Illinois Number Theory Celebration**, University of Illinois at Urbana-Champaign, Urbana, Illinois.

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 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. 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/>.

Description: This meeting will celebrate the 90th birthday of Paul Bateman and the 70th birthday of Bruce Berndt. Speakers include: George Andrews, Richard Askey, Heng-Huat Chan, Youn-Seo Choi, Brian Conrey, Ron Evans, Marvin Knopp, Hugh Montgomery, Wolfgang Schmidt, Robert Vaughan, and Ae Ja Yee. A banquet honoring Bruce and Paul will be held the evening of March 25, and the evening of March 26 will be dedicated to the memory of Paul Erdos, with reminiscences of Erdos at Illinois and a showing of the film "N is a Number".

Information: <http://www.math.uiuc.edu/intc2009/>;

April 2009

* 2-4 **International Conference on Multimedia Computing and Systems (ICMCS'09)**, Polydisciplinary Faculty of Ouarzazate, Morocco.

Description: ICMCS'09 is organized with the objective of bringing together researchers, developers, and practitioners from academia and industry working in all facets of multimedia, content authoring, processor technology, and systems design.

Information: <http://www.icmcs09.org>; email: bouzahir@ensa-agadir.ac.ma.

* 6-9 **BMC 2009/IMS This is a joint meeting of the 61st British Mathematical Colloquium and the 22nd annual meeting of the Irish Mathematical Society**, National University of Ireland, Galway, Ireland.

Description: This is the annual forum in the UK at which leading mathematicians present their work to a general mathematical audience. The 2009 BMC is being held for the first time outside the UK, in Galway, Ireland!

Plenary Speakers: David Eisenbud (Berkeley), Ben Green (Cambridge), Ron Graham (San Diego), Rostislav Grigorchuk (Texas A&M) and Frances Kirwan (Oxford), together with twelve Morning Speakers. A Public Lecture will be held by Tom Koerner (Cambridge). There will be a Special Session on Computational Algebra led by Eamonn O'Brien (Auckland) and Goetz Pfeiffer (Galway) and a Special Session on Analysis led by David Preiss (Warwick), Sean Dineen (Dublin) and Ray Ryan (Galway). There will be opportunities to present talks at various splinter groups.

Information: <http://www.maths.nuigalway.ie/bmc2009/>; email: James.Ward@nuigalway.ie.

* 19-May 2 **Spring School on Fluid Mechanics and Geophysics of Environmental Hazards**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Description: This School is intended to focus on fluid mechanical aspects, and is aimed at students who have already graduated in mathematics, physics or engineering, and who wish to undertake research in this broad area. It is intended to bring students rapidly to current research frontiers in the fluid mechanics of environmental hazards. The School will start with introductory and motivational lectures on the fundamentals of geophysical fluid dynamics, and on geophysical hazard and risk in atmosphere and ocean contexts, and will then focus on four specific environmental hazards: typhoons and tropical cyclones; monsoons and flooding; tsunamis; pollution of atmosphere, ocean and the urban environment.

Information: <http://ims.nus.edu.sg/Programs/09fluidss/index.htm>; email: imscec@nus.edu.sg.

* 28-30 **CMIS2009 5th Contact Mechanics International Symposium**, Technical University of Crete, Chania, Crete, Greece.

Description: Previous contact mechanics symposia of this series have been organized in Lausanne, Switzerland, 1992, Carry Le Rouet, France, 1994, Praia da Consolacao, Portugal, 2001 and Hannover, Germany 2006.

Information: <http://www.cmis2009.tuc.gr>; email: gestavr@dpem.tuc.gr.

May 2009

* 27-30 **17th biennial conference of the Association of Christians in the Mathematical Sciences**, Wheaton College, Wheaton, Illinois.

Main speaker: David Bressoud (Macalester College) is the main speaker and will present two talks.

Other invited speakers: James Sellers (Penn State University) and James Bradley (John Templeton Foundation).

Abstracts: Of contributed papers will be accepted for consideration until January 31, 2009.

Organizer: Terry Perciante (Terry.Perciante@wheaton.edu).

Information: <http://www.acmsonline.org>; email: Robert.L.Brabenec@wheaton.edu.

June 2009

* 1-3 **Second Global Conference on Power Control and Optimization (PCO-2009)**, Bali, Indonesia.

Description: The main objective of PCO-09 is to provide a platform for researchers, engineers, practitioners and academicians as well as industrial professionals to present their research results and development activities. This conference, as part of discussing the results, ensures to provide opportunities for delegates to exchange new innovative ideas and application experiences face to face, and to provide a platform where possible entrepreneurs can think of new ventures, or generate research contacts and find global partners for future collaboration.

Deadlines: Paper Submission: 01/02/09. Formal acceptance: (letter with peer review) 01/03/09. Camera Ready Paper: 04/15/09. For paper submission via e-mail: icpco.20@gmail.com. All correspondence should be addressed to the conference secretariat: Chairman Professor Dr. Nader Barsoum, Malaysia; Conference Secretary Pandian Vasant, Malaysia; email: icpco.20@gmail.com; <http://www.engedu2.net>.

* 1-5 **Geometry & Topology at Muenster 2009**, University of Muenster, Muenster, Germany.

Description: The conference will represent a wide variety of topics of current interest in the topology of manifolds, homotopy theory, geometric group theory, low-dimensional topology, symplectic geometry, and non-commutative geometry.

Organizers: Wolfgang Lück (Münster), Ian Hambleton (McMaster), Erik Pedersen (Copenhagen).

Information: <http://www.math.ku.dk/~erik/muenster/>; email: hambleton@mcmaster.ca.

* 1-28 **Statistical Genomics**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Description: The new era of genomic studies has created great opportunities and also posed enormous challenges. To face up the challenges in synergy, it is of great interest to gather together prominent geneticists, statistical geneticists and the like to exchange their views and ideas on the ongoing and future development of genomic studies. The program will provide a platform for them to argue, to debate, and to interact with each other. The program will also provide an opportunity for young researchers and graduate students to learn directly from the authorities of the field and to get inspired for their further research. The program will consist of two workshops, one on Gene Mapping and the other on Genomic Profiling, and a graduate summer school.

Information: <http://ims.nus.edu.sg/Programs/genomics09/index.htm>.

* 8-11 **25th Nordic and 1st British-Nordic congress of Mathematicians**, University of Oslo, Oslo, Norway.

Description: This is a general mathematical congress arranged by the mathematical societies of Denmark, Finland, Iceland, Norway and Sweden as well as London Mathematical Society and Edinburgh Mathematical Society.

Speakers: There will be 11 main speakers at the congress each giving 50 minutes talks in the morning sessions. In addition there will be 7 parallel special sessions each afternoon. The main speakers and the programs of the special sessions are announced here: <http://www.math.uio.no/2009/scientific/>. Also mathematicians outside Britain and the Nordic countries are welcome to attend

Information: <http://www.math.uio.no/2009/>; email: brat-teli@math.uio.no.

* 8-19 **Recent Developments in Dynamic Equations on Time Scales**, University of Wyoming, Laramie, Wyoming.

Description: We will be concerned with a so-called dynamic equation on a time scale (a time scale is just a closed subset of the real numbers). If the time scale is the set of real numbers, then the dynamic equation is a differential equation, while if the time scale is the integers, then the dynamic equation is a difference equation. Hence our

study will be a unification and generalization of these two areas of mathematics. No previous knowledge of time scales will be assumed, but we will particularly be interested in new developments and applications of this area of research. Anyone interested in either differential equations or difference equations will be interested in this 2009 Rocky Mountain Mathematics Consortium Conference.

Speakers: Martin Bohner, Missouri University of Science and Technology, Allan Peterson, University of Nebraska-Lincoln, Chris Ahrendt, University of Nebraska-Lincoln

Sponsors: Rocky Mountain Mathematics Consortium. IMA and NSF Funding possible.

Deadline: For applications/abstracts of talks: April 1, 2009.

Information: A. Duane Porter; adporter@uwoyo.edu, Department of Mathematics, University of Wyoming, Laramie, WY 82071. For information about Laramie, <http://www.laramie.org/>.

* 21-27 **2nd Mile High Conference on Nonassociative Mathematics**, University of Denver, Denver, Colorado.

Description: This is an international conference on loops, quasigroups, latin squares, nonassociative algebras, applications of non-associative algebras to physics, and other aspects of nonassociative mathematics.

Main Speakers: Murray Bremner (University of Saskatchewan, Canada); Diane Donovan (University of Queensland, Australia); Richard M. Green (University of Colorado, USA); Ling Long (Iowa State University, USA); Shahn Majid (Queen Mary, UK); Gabor P. Nagy (University of Szeged, Hungary); J. D. Phillips (Wabash College, USA); Ivan Shestakov (University of Sao Paulo, Brazil).

Program and Organizing Committee: Piroska Csorgo (Eotvos Lorand University); Kenneth W. Johnson (Penn State Abington); Michael K. Kinyon (University of Denver); G. Eric Moorhouse (University of Wyoming); Jonathan D. H. Smith (Iowa State University); Petr Vojtechovsky (University of Denver).

Information: Contact: milehigh@math.du.edu; <http://www.math.du.edu/milehigh/>.

* 23-26 **The 33rd Summer Symposium in Real Analysis**, Southeastern Oklahoma State University, Durant, Oklahoma.

Description: This conference, jointly sponsored by the host institutions and the Real Analysis Exchange has been held annually since 1978, twice in 1982, and is considered to be the premier conference of its type by members of the real analysis community.

Main Speakers: This years main speakers include Udayan Darji (University of Louisville), Steve Jackson (North Texas University) and Marton Elekes (Eotvos Lorand University, Budapest).

Information: <http://www.stolaf.edu/people/analysis>; email: humke@stolaf.edu.

* 28-July 25 **UA VIGRE: Arizona Summer Program 2009**, University of Arizona, Tucson, Arizona.

Description: The 2009 Arizona Summer Program will be an exciting 4-week research experience for undergraduates in Computational Photonics. There will be a number of lectures given by experts covering computational, mathematical, physical and engineering aspects of the subject accompanied by hands-on computational research experience. Our aim is to expose the role of mathematics in the emerging field of nano-optics, and to provide qualified undergraduates with research experience that promotes learning skills necessary for success in graduate school and in industrial R&D environments. Students will work on their projects related to the ongoing research at the Arizona Center for Mathematical Sciences (Prof. J.V. Moloney, Director, see <http://www.acms.arizona.edu>), and R&D division of the Raytheon Corporation (Dr. P. Kano, senior scientist) in the area of Computational Photonics.

Information: <http://math.arizona.edu/~brio/Class/Summer09Info.html>; email: brio@math.arizona.edu.

July 2009

* 1-August 31 **Mathematical Theory and Numerical Methods for Computational Materials Simulation and Design**, Institute for Mathematical Sciences, National University of Singapore, Singapore,

Description: This two-month program will provide a forum for experts from interdisciplinary fields to discuss the various issues and challenges facing the community. It will bring leading international applied and pure mathematicians, physicists, materials scientists and

computational scientists together to review, develop and promote interdisciplinary researches on problems at the interface between mathematics and materials sciences. It will provide a forum to highlight the progress in a broad range of topics, within a coherent theme and with greater emphasis on the mathematical theory and numerical methods for computational materials simulation and design. The program activities will consist of two workshops, a summer school, public lectures, working seminars and collaborative research.

Information: <http://ims.nus.edu.sg/Programs/09mattheory/index.htm>; email: imscec@nus.edu.sg.

* 6-11 **Conference on Algebraic Topology CAT'09**, University of Warsaw, Warsaw, Poland.

Description: CAT'09 will be the seventh in a series of quadrennial conferences on algebraic topology organized in Poland since 1985. The aim of the conference is to bring together mathematicians working in different areas of algebraic and geometric topology. The conference will be devoted to a wide spectrum of research in the areas of homotopy theory, topology of manifolds, geometric group theory and homotopy in algebraic geometry. The program will emphasize applications and connections between various fields and is intended to promote exchanges of ideas among mathematicians working in different areas related to algebraic topology.

Information: <http://www.mimuw.edu.pl/~cat09/>; email: cat09@mimuw.edu.pl.

* 13-16 **MULTICONF-09**, Orlando, Florida.

Description: The 2009 Multi Conference in Computer Science, Information Technology and Control systems and Computational Science and Computer Engineering (MULTICONF-09) will be held July 13-16 2009. We invite draft paper submissions. The event consists of ten different international conferences. We invite draft paper submissions. The event consists of ten different international conferences.

Information: For more details please visit: <http://www.PromoteResearch.org>; email: jeedward@yahoo.com.

* 13-17 **Permutation Patterns 2009**, Dipartimento di Sistemi e Informatica, Università di Firenze, Firenze, Italy.

Description: The topic of the conference is the study of patterns in permutations and words. Conference themes include (but are not limited to) enumeration questions, excluded pattern questions, study of the involvement order, algorithms for computing with permutation patterns, applications and generalizations of permutation patterns, and others.

Information: <http://www.dsi.unifi.it/~PP2009/>; email: ferrari@dsi.unifi.it.

* 13-18 **7th International ISAAC Congress**, Imperial College, London, United Kingdom.

Description: The ISAAC congress is a major international conference in analysis, its applications and computation. The primary goal of the congress is to bring together mathematicians working in these fields to discuss the latest progress in the area. The congress will consist of around 20 sessions devoted to different subjects in real, complex, harmonic, spectral and stochastic analysis, linear and non-linear partial differential equations of different types and their computational and applicational aspects. The International Society for Analysis, its Applications and Computation (ISAAC) has been organising the International ISAAC Congress biannually since 1997. The previous congresses took place in the USA (Delaware 1997), Japan (Fukuoka 1999), Germany (Berlin 2001), Canada (Toronto 2003), Italy (Catania 2005) and Turkey (Ankara 2007).

Information: <http://www.isaac2009.org>; email: j.wirth@imperial.ac.uk.

* 20-31 **2009 ESSLII Student Session**, Bordeaux, France.

Description: The 2009 ESSLII Student Session will take place from July 20 to July 31 in Bordeaux, France, as part of the annual European Summer School in logic, language, and computation. We hereby invite paper submissions from students in the areas of logic and computation, logic and language, and language and computation for presentation in the oral session or in the poster session. All submissions will be reviewed by three experts in the field, and those selected for presentation will be published in the proceedings. The Student Session is an excellent venue to present work in progress, and also to gain experience presenting one's research to a wide audience. As in previous years, Springer is offering 500 Euro in textbooks for the best

paper award, and 250 Euro in textbooks to each of two runners-up. The deadline for submission is February 1, 2009. For more details, please see the full call for papers: <http://www.stanford.edu/~icard/esslli/call>.

Information: <http://www.stanford.edu/~icard/esslli/>; email: icard@stanford.edu.

August 2009

* 3–8 **XVI International Congress on Mathematical Physics (ICMP09)**, Clarion Congress Hotel Prague, Prague, Czech Republic.

Description: Following the tradition formed over several decades, the triennial congresses of the International Association of Mathematical Physics are the largest mathematical-physics conventions. The ICMP09 will be a major event: New results in the field and future challenges will be discussed, illustrating the richness and vitality of this branch of science. Registration will be open from the beginning of 2009. We hope that you will be able to attend and contribute to the success of the meeting. Please indicate your interest by pre-registering on the conference web-site at <http://www.icmp09.com/indication-of-interest>. A Young Researcher Symposium will be held from July 31–August 1, 2009.

Information: <http://www.icmp09.com>.

* 10–14 **Topological complexity of random sets**, American Institute of Mathematics, Palo Alto, California.

Description: This workshop, sponsored by AIM and the NSF, will be devoted to the developing field of random maps between manifolds and their geometric properties.

Information: <http://www.aimath.org/ARCC/workshops/randomsets.html>; email: ebasor@aimath.org.

* 12–14 **18th USENIX Security Symposium**, Le Centre Sheraton Hotel Montreal, 1201 Boulevard Rene-Levesque, West Montreal, Quebec H3B 2L7 Canada.

Description: The USENIX Security Symposium brings together researchers, practitioners, system administrators, system programmers, and others interested in the latest advances in the security of computer systems and networks.

Information: <http://www.usenix.org/events/sec09/>.

* 27–29 **Ukrainian Mathematical Congress 2009 (Dedicated to the Centennial of Nikolai N. Bogoliubov)**, Institute of Mathematics of NASU, Kiev (Kyiv), Ukraine.

Sessions: Algebra and Number Theory; Dynamical Systems; Differential Equations and Nonlinear Oscillations; Complex Analysis and Potential Theory; Mathematical Physics; Statistical Mechanics and Quantum Field Theory; Functional Analysis; Numerical Mathematics and Mathematical Problems of Mechanics; Probability Theory and Mathematical Statistics; Approximation Theory and Harmonic Analysis; Topology and Geometry; Applied Mathematical Problems.

Information: <http://www.imath.kiev.ua/~congress2009/en/>; email: congress2009@imath.kiev.ua.

* 30–September 4 **Algebraic Groups and Invariant Theory**, Centro Stefano Franscini, Ascona, Switzerland.

Description: The main focus is on recent developments in the theory of semisimple algebraic groups and their Lie algebras.

Topics: W-algebras, invariants of subalgebras, nilpotent orbits, geometric representation theory.

Short courses: V. Ginzburg, A. Joseph, A. Premet.

Organizing Committee: K. Baur (ETH Zurich), A. Premet (Manchester), D. Testerman (EPFL Lausanne)

Plenary speakers to include: Donkin, Duflo, Fauquant-Millet, Kac, Kleshchev, Kostant, Kraft, Littellmann, McNinch, Serre, Vilonen, Wallach.

Financial support: Some financial support is available for young participants and eastern European participants.

Information: <http://www.math.ethz.ch/~baur/AGIT/>; email: donna.testerman@epfl.ch.

September 2009

* 4–9 **2nd Dolomites Workshop on Constructive Approximation and Applications (DWCAA09)**, Alba di Canazei, Trento, Italy.

Description: DWCAA09 proposes 8 main invited lectures, 4 sessions of contributed talks and a poster session.

Keynote speakers: C. de Boer (Madison, USA); N. Dyn (Tel-Aviv, IL); G. Meurant (Paris, F); R. Schaback (Goettingen, D); I.H. Sloan (Sydney, AU); N. Trefethen (Oxford, UK); H. Wendland (Brighton, UK); Y. Xu (Eugene OR, USA).

Information: <http://www.math.unipd.it/~dwcaa09>; email: marcov@math.unipd.it.

* 8–December 11 **Long Program: Combinatorics: Methods and Applications in Mathematics and Computer Science**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California.

Overview: Combinatorics studies discrete objects and their properties. This program will focus specifically on several major research topics in modern Discrete Mathematics and puts an emphasis on the exchange of ideas, approaches and techniques between various areas of Discrete Mathematics and Computer Science and on the identification of new tools from other areas of mathematics which can be used to solve combinatorial problems.

Organizing Committee: Noga Alon, Gil Kalai, Janos Pach, Vera Sos, Angelika Steger, Benjamin Sudakov, Terence Tao.

Application/Registration: An application and registration form is available at <http://www.ipam.ucla.edu/programs/cma2009>. Applications received by July 27, 2009 will receive fullest consideration. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM's mission and we welcome their applications. You may also register and attend without IPAM funding.

Information: <http://www.ipam.ucla.edu/programs/cma2009/>; email: sbeggs@ipam.ucla.edu.

* 9–16 **Combinatorics: Methods and Applications in Mathematics and Computer Science, Tutorials**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California.

Overview: Tutorials provide an introduction to several major research topics in modern discrete mathematics, including probabilistic methods, extremal problems for graphs and set systems, Ramsey theory, additive number theory, combinatorial geometry, discrete harmonic analysis and more.

Goal: The goal is to familiarize the prospective participants with the techniques which were developed in Combinatorics in the last few decades. Registration for tutorials is free.

Organizing Committee: Noga Alon, Gil Kalai, Janos Pach, Vera Sos, Angelika Steger, Benjamin Sudakov, Terence Tao.

Application/Registration: An application and registration form is available at <http://www.ipam.ucla.edu/programs/cmatut>. Applications received by July 29, 2009 will receive fullest consideration. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM's mission and we welcome their applications. You may also simply register and attend without IPAM funding.

* 10–12 **Quantum topology and Chern-Simons theory**, Institut de Recherche Mathématique Avancée, Université de Strasbourg, 7 rue René Descartes, Strasbourg, France.

Description: The meeting is No. 84 in the series "Encounter Between Mathematicians and Theoretical Physicists". The focus is on quantum topology and Chern-Simons theory. There will be survey lectures and specialized talks.

Invited speakers: A. Alekseev (Geneva), J. E. Andersen (Aarhus), F. Costantino (Strasbourg), V. Fock (Strasbourg), S. Garoufalidis (Georgia Tech), R. Kashaev (Genève), G. Masbaum (Paris 7), K. Noui (Tours), N. Reshetikhin (Amsterdam), B. Schroers (Edinburgh), Teschner (Hamburg), G. Thompson (Trieste).

Organization and information: Gwenaél Massuyeau and Athanase Papadopoulos; email: massuyeau@math.u-strasbg.fr; papadopoulos@math.u-strasbg.fr.

Information: <http://www-irma.u-strasbg.fr/article744.html>; email: papadopoulos@math.u-strasbg.fr.

November 2009

* 1–December 31 **Financial Mathematics**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Description: This program will be focusing on, but not limited to, the following three areas: 1) the pricing and hedging of environmental and energy-related financial derivatives; 2) risk and robust optimization; 3) optimal stopping and singular stochastic control problems in finance.

–Save the Date–

CLAY RESEARCH Conference

May 4–5, 2009

Cambridge, MA

(venue to be announced)

The Clay Mathematics Institute’s annual conference featuring eight lectures on recent research developments and presentation of the Clay Research Awards.

Confirmed speakers

Heisuke Hironaka
Dinakar Ramakrishnan
Kannan Soundararajan

To preview lecture videos and program information from previous conferences and the full 2009 program (tba), see

www.claymath.org/researchconference

These areas form the substance of 3 workshops in the two-month long program. The workshops are intended for researchers working in the specific areas to congregate, cross-pollinate ideas, exchange knowledge, and together advance the mathematical frontiers in publishing and disseminating rigorous pieces of scholastic work.

Information: <http://ims.nus.edu.sg/Programs/financialm09/index.htm>; email: imscec@nus.edu.sg.

*2–6 **Combinatorics: Topics in Graphs and Hypergraphs**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California.

Overview: The workshop will focus on several research directions in modern graph and hypergraph theory including Ramsey theory, extremal problems for graphs and hypergraphs and in particular Turan-type questions, extremal set theory and its applications to information theory, computer science and coding theory, algebraic methods in extremal combinatorics, Szemerédi’s regularity lemma for graphs and hypergraphs and its application to number theory and property testing.

Organizing Committee: Penny Haxell, Dhruv Mubayi, Vera Sos, Benjamin Sudakov, Jacques Verstraete

Application/Registration: An application and registration form is available at: <http://www.ipam.ucla.edu/programs/cmaws3/>. Applications received by Sept. 21, 2009 will receive fullest consideration. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM’s mission and we welcome their applications. You may also register and attend without IPAM funding.

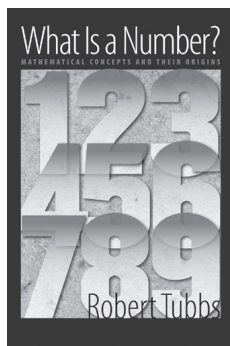
Information: <http://www.ipam.ucla.edu/programs/cmaws3/>; email: sbeggs@ipam.ucla.edu.

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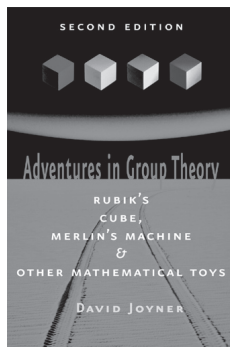
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AMERICAN MATHEMATICAL SOCIETY



2009 Spring AMS Sectional Meetings

March 27–29, 2009 (Friday–Sunday)
University of Illinois at Urbana-Champaign, Urbana, IL
(2009 Spring Central Section Meeting)

April 4–5, 2009 (Saturday–Sunday)
North Carolina State University, Raleigh, NC
(2009 Spring Southeastern Section Meeting)

April 25–26, 2009 (Saturday–Sunday)
Worcester Polytechnic Institute, Worcester, MA
(2009 Spring Eastern Section Meeting)

April 25–26, 2009 (Saturday–Sunday)
San Francisco State University, San Francisco, CA
(2009 Spring Western Section Meeting)