
Mathematics Calendar

Please submit conference information for the Mathematics Calendar through the Mathematics Calendar submission form at <http://www.ams.org/cgi-bin/mathcal-submit.pl>.

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

November 2009

* 4–5 **Symposium on interdisciplinary approaches to calcium and secretory dynamics in cells: Mathematical models and experiments**, Universidad de Cantabria, Santander (Spain).

Description: The principal aim of the symposium is to promote the exchange of ideas among researchers, experimentalists and theoreticians, interested in the field of calcium and secretory dynamics in cells. Our goal is to cover secretory cell prototypes with very different time scales: from pancreatic cells (alpha, beta), as example of slow secretory cells, to presynaptic terminals. Our idea is, on one hand, to show similarities and differences regarding the basic mechanisms responsible of triggering secretion in these cells; on the other hand, we plan to analyse the framework of the mathematical models describing these cellular processes.

Information: <http://www.camath.unican.es/>.

* 23–27 **Progress in Dynamics**, Institut Henri Poincaré, Paris, France.

Description: The conference will emphasize specific problems in dynamical systems, smooth ergodic theory, and related topics, including differential geometry, group theory and number theory, that have seen much progress, but where significant problems vital to the field remain open. Specific examples are the Katok entropy rigidity conjecture for geodesic flows of negatively curved manifolds, the Boltzmann ergodic hypothesis, Liouvillean phenomena, the construction of metrics with ergodic geodesic flow, smooth rigidity of actions of abelian groups of higher rank. The conference will provide

a venue for established scholars to interact not only with each other, but also with the junior scholars who will play an essential role now and in the years to come. Limited support for participants is expected to be available. Recent recipients of doctoral degrees, women, and members of traditionally underrepresented groups are particularly encouraged to apply.

Information: http://www.math.psu.edu/katok_s/AK65/home.html.

December 2009

* 8–11 **Operators and Operator Algebras in Edinburgh**, University of Edinburgh, Scotland, U.K.

Confirmed speakers: C. Anantharaman-Delaroche (Orleans), W. Arendt (Ulm), E. Berkson (Illinois Champaign-Urbana), O. Blasco (Valencia), G. Brown (Royal Institution of Australia), M.-J. Carro (Universitat de Barcelona), E. Christensen (Copenhagen), M. Cowling (Birmingham), A. M. Davie (Edinburgh), U. Haagerup (Odense), M. Junge (Illinois Champaign-Urbana), N. Kalton (Columbia, Missouri), N. Ozawa (Tokyo and UCLA), J. Parcet (CSIC & UA Madrid), J. Peterson (Vanderbilt), G. Pisier (Texas A&M and Paris VI), W. Ricker (KU Eichstaett), R. Smith (Texas A&M), J.-L. Torrea (UA Madrid), S. Vaes (KU Leuven), A. Volberg (Michigan State), S. White (Glasgow).

Honorary Organisers: Alastair Gillespie and Allan. M. Sinclair.

Organisers: Tony Carbery, Ian Doust, Sandra Pott, Stuart White and Jim Wright

Information: <http://www.maths.gla.ac.uk/~saw/ooae/>.

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/>.

* 10-19 **International Workshop on Harmonic Mappings and Hyperbolic Metrics**, Indian Institute of Technology Madras, Chennai-600036, India

Description: The workshop aims to foster international cooperation in the area of Harmonic Mappings and Hyperbolic Metrics, and to motivate further interaction among Indian researchers with a wide range of function theorists from various other countries. The primary emphasis of the workshop will be on promoting collaborative research work involving all the potential participants. In the workshop the theme Harmonic Mappings and Hyperbolic Metrics will be introduced to participants through a series of lectures on this topic by globally renowned experts. There will be limited paper presentation sessions by participants and the accepted original papers will be considered for possible publication in the forthcoming volume of the *Journal of Analysis*.

Information: Visit: <http://sites.google.com/site/iwhmhm09>.

* 14-18 **Cycles and Special Values of L-series**, Centre de Recerca Matemàtica, UAB E-08193 Bellaterra, Barcelona, Spain.

Description: An interrelated web of conjectures, due, in rough chronological order, to Birch-Swinnerton-Dyer, Tate, Bloch-Beilinson, and Bloch-Kato, connects the arithmetic properties of algebraic cycles (taken modulo some relation, such as rational or algebraic equivalence) with the analytic properties of associated L-functions. The varieties for which we have the most explicit information are those that can be related to automorphic forms: Shimura varieties and their relatives. Studying these examples and exploiting their rich underlying structure has led to a fruitful interaction between arithmetic algebraic geometry and representation theory whose intensity shows no sign of abating.

Information: <http://www.crm.cat/Activitats/Activitats/2009-2010/wklseries/web-wklseries/default.htm>.

February 2010

* 26-28 **Texas Geometry and Topology Conference**, Texas Christian University, Fort Worth, TX.

Description: The Texas Geometry and Topology Conference (TGTC) has run twice a year since its inception in 1989. It currently rotates among six Texas universities, each conference featuring a broad array of internationally acclaimed speakers. More general details on the TGTC and its history can be found at <http://www.math.tamu.edu/~tgtc/archive/>. For details concerning the Spring 2010 conference, please visit our web site at <http://faculty.tcu.edu/epark/TGTC>.

* 22-March 5 **Arithmetic Geometry for Function Fields of Positive Characteristic**, Centre de Recerca Matemàtica, UAB, E-08193 Bellaterra, Barcelona, Spain.

Scientific Committee: Francesc Bars (Universitat Autònoma de Barcelona), Gebhard Böckle (Universität Duisburg-Essen), David Burns (King's College London), David Goss (Ohio State University at Columbus), Ignazio Longhi (National Taiwan University), Fabien Trihan (University of Nottingham), Xavier Xarles (Universitat Autònoma de Barcelona), Douglas Ulmer (University of Arizona).

Speakers: 1) Gebhard Böckle Universitaet Duisburg-Essen, Germany; 2) Douglas Ulmer University of Arizona, USA.

Information: <http://www.crm.cat/Activitats/Activitats/2009-2010/acarithff/web-acarithff/default.asp>.

March 2010

* 9-12 **Model and Data Hierarchies for Simulating and Understanding Climate: Tutorials**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, CA

Organizing Committee: Amy Braverman (Jet Propulsion Laboratory), Rupert Klein (Freie Universität Berlin, Mathematics), Bjorn Stevens (Max-Planck-Institut für Meteorologie).

Overview: Tutorials provide an introduction to the problems and concepts from mathematics, physics, atmospheric sciences, computer science, and other disciplines. The goal is to familiarize participants with

the techniques, and to create a common language among researchers coming from different fields. The tutorials cover: Equation Hierarchies, Numerical Hierarchies, Simulation Hierarchies, Data Hierarchies.

Application/Registration: An application and registration form is available at <http://www.ipam.ucla.edu/programs/cltut>. Applications received by Jan. 11, 2010, 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.

* 17-26 **Second International School on Geometry and Physics. Geometric Langlands and Gauge Theory**, Centre de Recerca Matemàtica, UAB, E-08193 Bellaterra, Barcelona, Spain.

Description: The geometric Langlands correspondence lies at the core of one of the most significant current interactions between geometry and physics, integrating far-reaching discoveries and conjectures originating in physics, geometry, representation theory and arithmetic. This advanced school is designed to deliver training on this interdisciplinary topic. It is targeted at graduate students, postdocs and researchers working in geometry and physics at an international level.

Information: <http://www.crm.cat/Activitats/Activitats/2009-2010/aclanglands/web-aclanglands/>.

April 2010

* 12-16 **Computer Security and Cryptography**, Centre de recherches mathématiques, Université de Montréal, Pavillon André-Aisenstadt, 2920, Chemin de la tour, room 5357, Montréal (Québec) H3T 1J4, Canada.

Description: Among the exciting new directions in cryptography that this one-week workshop will attempt to touch upon are the following: proliferating hardness assumptions and protocols in pairing-based cryptography; provable security and the random oracle model in theory and practice; design and selection of new cryptographic hash functions; new security models for deterministic encryption and searchable encryption; new number theoretic constructs in cryptography such as expander graphs, lattice-based systems, elliptic divisibility sequences, etc.; the trade-off between security and privacy in emerging applications such as cloud storage; new applications of pairings to areas such as e-cash and Attribute Based Encryption.

Information: http://www.crm.umontreal.ca/Crypto10/index_e.php.

* 14-18 **International Conference on Fundamental Structures of Algebra in honor of the 70th birthday of Professor Șerban Basarab**, Faculty of Mathematics and Computer Science, Ovidius University, Constanta, Romania.

Description: The Faculty of Mathematics and Computer Science from Ovidius University, Constantza, in cooperation with the Institute of Mathematics of the Romanian Academy (Bucharest) and the Romanian Mathematical Society will organize an International Conference on Fundamental Structures of Algebra to honor the 70th birthday of Professor Șerban Basarab, from the Romanian Institute of Mathematics. There will be talks from Thursday, April 15, through Saturday, April 17. Accommodation expenses will be covered by the local organizers for the invited speakers. We intend to have proceedings of the conference as well which will be published in our journal *Analele Științifice ale Universității Ovidius, Seria Matematica* (<http://www.anstuocmath.ro/>). For Registration please send an e-mail to Viviana Ene (vivian_ro@yahoo.com).

Last date for registration: March 10, 2010.

Conference fee: will be announced.

Information: <http://www.univ-ovidius.ro/math/conference/70/index.htm>.

May 2010

* 17-21 **AIM Workshop: Supercharacters and combinatorial Hopf algebras**, American Institute of Mathematics, Palo Alto, CA.

Description: This workshop, sponsored by AIM and the NSF, will bring together experts in the emerging area of supercharacter theory and experts in Hopf algebras.

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

- * 17-22 **Frobenius splitting in algebraic geometry, commutative algebra, and representation theory**, University of Michigan, Ann Arbor, MI.

Description: The goal of this conference is to bring together researchers working with different aspects of Frobenius splittings and their applications, and to facilitate communication and interaction between them. We plan to have a number of survey talks, introducing the various points of view on Frobenius splitting, followed by research talks. Most of the talks will be suitable for graduate students and young researchers.

Information: <http://sites.google.com/site/frobeniussplitting/>.

- * 26-28 **International Conference on Computational Mathematics (ICCM) 2010 Workshop on Advances in Numerical Partial Differential Equations**, Holiday Inn Tobu Narita 320-1 TOKKO, CHIBA NARITA, CHIBA, 286-0106 JAPAN.

Description: International Conference on Computational Mathematics (ICCM), 2010 Workshop on Advances on Numerical PDEs May 26-28, 2010, Holiday Inn Tobu Narita, Tokyo, Japan

Organizer: Dr. Mohammad Siddique, Fayetteville State University, NC, USA. <http://faculty.uncfsu.edu/msiddiqu>.

Keynote Speakers: 1. Professor Chi-Wang Shu, Brown University, USA 2. Professor A. Q. M. Khaliq, Middle Tennessee State University, USA 3. Professor Vinod Arya, Fayetteville State University, USA 4. Professor Weizhu Bao, National University of Singapore, Singapore.

Information: <http://www.waset.org/conferences/2010/tokyo/iccm/>.

- * 26-28 **Workshop in ICCM 2010 on Advances in Numerical Partial Differential Equations (NPDEs)**, Holiday Inn Tobu Narita 320-1 TOKKO, CHIBA NARITA, CHIBA, 286-0106 JAPAN.

Organizer: Dr. Mohammad Siddique, Department of Mathematics and Computer Science, Fayetteville State University, 1200 Murchison Road, Fayetteville, NC. 28301, USA

Information: msiddiqu@uncfsu.edu <http://faculty.uncfsu.edu/msiddiqu>.

For details please visit: 1. <http://www.waset.org/conferences/2010/tokyo/iccm/>; 2. <http://www.waset.org/conferences/2010/tokyo/iccm/npdes.pdf>.

- * 27-28 **From A=B to Z=60, A Conference in Honor of Doron Zeilberger's 60th Birthday**, Rutgers University, Piscataway, New Jersey.

Description: On the occasion of Doron Zeilberger's 60th birthday we will honor his extraordinary research accomplishments and longstanding influence in mathematics. This international conference will be co-hosted by the Mathematics Department and the DIMACS Center at Rutgers University. In keeping with the breadth of Zeilberger's work, there will be speakers from a wide variety of fields that have been influenced and continue to be impacted by the power of his methods; to wit, Enumerative Combinatorics, Algebraic Combinatorics, and Algorithmic Proof Theory. We anticipate an exciting gathering of former and current students, collaborators, colleagues, and friends.

Information: <http://math.rutgers.edu/events/Z60/>.

June 2010

- * 7-11 **AIM Workshop: Low-dimensional structures in dynamical systems with variable time lags**, American Institute of Mathematics, Palo Alto, CA.

Description: This workshop, sponsored by AIM and the NSF, will focus on low-(Hausdorff) dimensional structures in differential delay equations with state dependent time lags.

Information: <http://www.aimath.org/ARCC/workshops/variabletimelag.html>.

- * 13-18 **48th International Symposium on Functional Equations**, Batz-sur-Mer, France.

Topics: Functional equations and inequalities, mean values, functional equations on algebraic structures, Hyers-Ulam stability, regularity properties of solutions, conditional functional equations, functional-differential equations, iteration theory; applications of the above, in particular to the natural, social, and behavioral sciences.

Local Organizer: Nicole Brillouët-Belluot, Département d'Informatique et de Mathématiques, Ecole Centrale de Nantes, 1 rue de la Noë, B.P. 92101, 44 321 Nantes-Cedex 3, France.

Information: nicole.belluot@ec-nantes.fr.

Scientific Committee: J. Aczél (Honorary Chair; Waterloo, ON, Canada), W. Benz (Honorary Member, Hamburg, Germany), Z. Darczy (Honorary Member, Debrecen, Hungary), R. Ger (Chair; Katowice, Poland), Zs. Pales (Debrecen, Hungary), J. Rätz (Bern, Switzerland), L. Reich (Graz, Austria), and A. Sklar (Chicago, IL, USA).

Information: Participation at these annual meetings is by invitation only. Those wishing to be invited to this or one of the following meetings send details of their interest and, preferably, publications (paper copies) and/or manuscripts with their postal and e-mail address to: Roman Ger, Institute of Mathematics, Silesian University, Bankowa 14, PL-40-007 Katowice, Poland (romanger@us.edu.pl) before December 15, 2009.

- * 16-23 **Budapest Semesters in Mathematics 25th Anniversary Reunion and Conference**, Budapest, Hungary.

Description: In celebration of its twenty-fifth year, Budapest Semesters in Mathematics will host a gala reunion and mathematics conference in Budapest for BSM alumni, mathematicians who wrote letters of recommendation for them, and those people who have supported the program over the past quarter century.

Information: <http://www.bsmath.hu/>.

July 2010

- * 6-8 **Conference on Industrial and Applied Mathematics**, Bandung Institute of Technology, Bandung, Indonesia

Description: The conference is focused on the areas mostly covered in industrial and applied mathematics, such as Financial Mathematics, Optimization, Applied Probability, Control Theory and Its Application, Biological, Physical Modeling and Application of Mathematics in Sciences, Fluid Dynamics, Numerical Methods and Scientific Computing.

Information: <http://www.math.itb.ac.id/>.

August 2010

- * 2-6 **Formal Power Series and Algebraic Combinatorics 2010**, San Francisco State University, San Francisco, CA, USA.

Description: The 22nd International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC'10) will take place at San Francisco State University, August 2-6, 2010. Topics include all aspects of combinatorics and its connections with other areas of mathematics, physics, computer science, and biology. The conference will feature invited lectures, contributed presentations, a poster session, and software demonstrations. As usual, there will be no parallel sessions. The official languages of the conference are English, French, and Spanish. For more information, please visit:

Information: <http://math.sfsu.edu/fpsac>.

- * 14-17 **Satellite Conference of ICM 2010 on Mathematics in Science and Technology**, India Habitat Centre, Lodhi Road, New-Delhi, India.

Description: The conference will focus on emerging areas of mathematics applied to solve problems of Science and Technology. Representatives of 30 societies of the world which are members of the ICIAM have consented to attend and interact with the participants of the conference. This provides an ample opportunity for young scientists and engineers to meet and discuss with world-class experts.

Information: <http://www.siam-india.org>, www.icm2010.co.cc.

- * 16-19 **SIAM Conference on Nonlinear Waves and Coherent Structures (NW10)**, Sheraton Society Hill Hotel, Philadelphia, Pennsylvania.
Description: This conference is sponsored by the SIAM Activity Group on Nonlinear Waves and Coherent Structures.
Information: <http://www.siam.org/meetings/nw10/>.

September 2010

- * 13-December 17 **Modern Trends in Optimization and Its Application**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, CA.
Organizing Committee: Stephen Boyd (Stanford), Emmanuel Candes (Stanford), Masakazu Kojima (Tokyo Institute of Technology), Monique Laurent (CWI), Arkadi Nemirovski (Georgia Tech), Yuri Nesterov (Université Catholique de Louvain), Bernd Sturmfels (UC Berkeley), Michael Todd (Cornell), Lieven Vandenbergh (UCLA).
Overview: Developments in convex optimization problem, robust optimization, algorithms and more have expanded the scale and complexity of optimization problems, and are leading to a wider adoption of optimization techniques in many science and engineering fields. This program will focus on the development and application of these trends.
Application: An application form is available at: <http://www.ipam.ucla.edu/programs/op2010>. Applications for individual workshops will be posted on individual workshop home pages. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM's mission and we welcome their applications.

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.

December 2010

- * 29-31 **ICCAM 2010: "International Conference on Computational and Applied Mathematics", Symposium Partial Differential Equations: Modeling, Analysis and Numerical Methods**, First Hotel Bangkok, 2 Soi Somprasong 1, Petchaburi Road, Tanonphayathai, Rajthavee, Bangkok 10400 Thailand.
Description: The International Conference on Computational and Applied Mathematics aims to bring together academic scientists, leading engineers, industry researchers and scholar students to exchange and share their experiences and research results about all aspects of Computational and Applied Mathematics, and discuss the practical challenges encountered and the solutions adopted. SYMPOSIUM PARTIAL DIFFERENTIAL EQUATIONS (PDEs): MODELING, ANALYSIS AND NUMERICAL METHODS
Organizer: Dr. Mohammad Siddique, Department of Mathematics and Computer Science, Fayetteville State University, 1200 Murchison Road, Fayetteville, NC. 28301, USA. e-mail: msiddiqu@uncfsu.edu; <http://faculty.uncfsu.edu/msiddiqu>.
Important Dates Paper submission: August 31, 2010. Notification of acceptance: September 30, 2010.
Final paper submission & authors' registration: October 31, 2010
Conference Dates: December 29-31, 2010.
Information: <http://www.waset.org/conferences/2010/bangkok/iccam/>.




The Fields Institute
invites applications and nominations
for the position of Deputy Director,
effective July 1, 2010.


A brief letter of application or nomination
and a CV should be sent to:

Edward Bierstone, Director
The Fields Institute
222 College Street, 2nd floor
Toronto, Ontario, Canada M5T 3J1

Deputy Director Search Committee
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