
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/>.

December 2009

1–4 (NEW DATE) **Combinatorics: Analytical Methods in Combinatorics, Additive Number Theory and Computer Science**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Dec. 2008, p. 1452)

7–9 **SIAM Conference on Analysis of Partial Differential Equations (PD09)**, Hilton Miami Downtown, Miami, Florida. (Feb. 2009, p. 310)

7–11 **IMA Workshop: Microfluidics: Electrokinetic and Interfacial Phenomena**, Institute for Mathematics and its Applications (IMA), University of Minnesota, Minneapolis, Minnesota. (Apr. 2009, p. 525)

8–11 **Operators and Operator Algebras in Edinburgh**, University of Edinburgh, Scotland, U.K. (Nov. 2009, p. 1358)

*9–10 **National Conference on Discrete and Fuzzy Mathematics (NCDFM-2009)**, Karunya University, Coimbatore, Tamilnadu, India.

Description: Discrete Mathematics: Logic, Combinatorics, Lattice, Boolean Algebra, Modern Algebra, Graph Theory and Algorithms, Automata Theory, Number Theory, other related topics. Fuzzy Mathematics: Fuzzy Sets, Fuzzy Logic, Fuzzy Graphs, Fuzzy Decision Making and Management, Fuzzy Lattice, Fuzzy Automata, Fuzzy Topology, other fuzzy related topics.

Registration Fee: Academic Delegates- Rs. 500.

Important Dates: Full Manuscript: October 30, 2009. Intimation of Acceptance: November 16, 2009. Last date for Registration: November 25, 2009.

Information: <http://www.karunya.edu>.

9–12 **Advanced Course on Algebraic Cycles, Modular Forms, and Rational Points on Elliptic Curves**, Centre de Recerca Matemàtica (CRM), Bellaterra, Barcelona, Spain. (Sept. 2009, p. 1025)

10–19 **International Workshop on Harmonic Mappings and Hyperbolic Metrics**, Indian Institute of Technology Madras, Chennai-600036, India. (Nov. 2009, p. 1359)

14–18 **AMSI Workshop: New Directions in Geometric Group Theory**, The University of Queensland, Brisbane, Australia. (Aug. 2009, p. 863)

14–18 **Brownian motion and random matrices**, American Institute of Mathematics, Palo Alto, California. (May 2009, p. 659)

14–18 **Cycles and Special Values of L-series**, Centre de Recerca Matemàtica, UAB E-08193 Bellaterra, Barcelona, Spain. (Nov. 2009, p. 1359)

16–18 **The 4th Indian International Conference on Artificial Intelligence: (IICAI-09)**, Tumkur (near Bangalore), India. (Dec. 2008, p. 1452)

17–21 **The 14th Asian Technology Conference in Mathematics (ATCM 2009)**, Beijing Normal University, Beijing, China. (Apr. 2009, p. 525)

19–21 **International Conference on Current Trends in Mathematics**, Allahabad, Uttar Pradesh, India. (May 2009, p. 659)

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/>.

21–22 **Mathematical Sciences for Advancement of Science and Technology (MSAST 2009)**, IMBIC Hall, Salt Lake City, Kolkata, (Calcutta), West Bengal, India. (Aug. 2009, p. 863)

28–31 **Seventh International Triennial Calcutta Symposium on Probability and Statistics**, Department of Statistics, University of Calcutta, 35 Ballygunge Circular Road, Kolkata- 700019, West Bengal, India. (Aug. 2009, p. 863)

January 2010

3–10 **Groups, Representations and Number Theory NZIMA/NZMRI Summer Workshop**, Hanmer Springs, New Zealand. (Oct. 2009, p. 1147)

4–July 2 **Stochastic Partial Differential Equations**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Sept. 2009, p. 1025)

5–9 **New Directions in Financial Mathematics**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Aug. 2009, p. 863)

* 11–15 **WONAPDE 2010: Third Chilean Workshop on Numerical Analysis of Partial Differential Equations**, Universidad de Concepción, Concepción, Chile.

Aim: Of the workshop is to present recent developments in Numerical Analysis of Partial Differential Equations.

Topics: Finite Element Methods, Boundary Element Methods, Finite Volume Methods for Conservation Laws, Discontinuous Galerkin Methods, A Posteriori Error Estimation and Adaptivity, Computational Fluid Dynamics, Computational Structural Mechanics and Computational Methods in Electromagnetism.

Information: <http://www.ing-mat.udec.cl/wonapde2010/>.

* 11–16 **Rokhlin Memorial Conference**, St. Petersburg, Russia.

Information: <http://www.pdmi.ras.ru/EIMI/2010/tgd/>.

11–July 2 **Stochastic Processes in Communication Sciences**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Sept. 2009, p. 1025)

13–16 **Joint Mathematics Meetings**, San Francisco, California. (Sept. 2009, p. 1026)

* 16 **Algorithm Engineering and Experiments (ALENEX10)**, Austin, Texas.

Description: The aim of the ALENEX workshop is to provide a forum for presentation of original research in the implementation and experimental evaluation of algorithms and data structures. We invite submissions that present significant case studies in experimental analysis (such studies may tighten, extend, or otherwise improve current theoretical results) or in the implementation, testing, and evaluation of algorithms for realistic environments and scenarios, including specific applied areas (for example, databases, networks, operations research, computational biology and physics, computational geometry, and the World Wide Web) that present unique challenges in their underlying algorithmic problems. We also invite submissions that address methodological issues and standards in the context of empirical research on algorithms and data structures. The scientific program will include time for discussion and debate of topics in this rapidly evolving research area.

Information: <http://www.siam.org/meetings/alenex10/>.

* 16 **Analytic Algorithmics and Combinatorics (ANALCO10)**, Austin, Texas.

Description: The aim of the ANALCO workshop is to provide a forum for the presentation of original research in the analysis of algorithms and associated combinatorial structures. We invite both papers that study properties of fundamental combinatorial structures that arise in practical computational applications (such as permutations, trees, strings, tries, and graphs) and papers that address the precise analysis of algorithms for processing such structures, including: average-case

analysis; analysis of moments, extrema, and distributions; probabilistic analysis of randomized algorithms, and so on. Submissions that present significant new information about classic algorithms are welcome, as are new analyses of new algorithms that present unique analytic challenges. We also invite submissions that address tools and techniques for the analysis of algorithms and combinatorial structures, both mathematical and computational.

Information: <http://www.siam.org/meetings/analco10/>.

17–19 **ACM-SIAM Symposium on Discrete Algorithms (SODA10)**, Hyatt Regency Austin, Austin, Texas. (Apr. 2009, p. 525)

18–22 **Stochastic Models in Neuroscience**, CIRM, Marseille, France. (Oct. 2009, p. 1147)

* 21–22 **MSRI—Connections for Women: Homology Theories of Knots and Links**, Mathematical Sciences Research Institute, Berkeley, California.

Organizers: Elisenda Grigsby (Columbia), Olga Plamenevskaya (SUNY/Stonybrook), and Katrin Wehrheim (MIT).

Information: http://www.msri.org/calendar/workshops/WorkshopInfo/510/show_workshop.

24–26 **International Conference on Analysis and Applications (ICAA10)**, Sultan Qaboos University, Muscat, Oman. (May 2009, p. 659)

25–29 **III Internacional Conference on the Anthropological Theory of the Didactic**, The Vilar Rural Hotel, Sant Hilari Sacalm, Catalonia, Spain. (Sept. 2009, p. 1026)

25–29 **Metamaterials: Applications, Analysis and Modeling**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Jun./Jul. 2009, p. 769)

* 25–29 **MSRI—Introductory Workshop: Homology Theories of Knots and Links**, Mathematical Sciences Research Institute, Berkeley, California.

Organizers: Aaron Lauda (Columbia University), Robert Lipshitz (Columbia University), Dylan Thurston (Columbia University).

Information: http://www.msri.org/calendar/workshops/WorkshopInfo1/show_workshop.

25–30 **International School on Combinatorics “Pilar Pisón-Casares”**, Facultad de Matemáticas, Universidad de Sevilla, Spain. (Sept. 2009, p. 1026)

25–31 **KAWA—Komplex Analysis Winter School**, Institut Mathématiques de Toulouse, Toulouse, France. (Oct. 2009, p. 1147)

* 30 **MSRI—Bay Area Circle for Teachers Winter Workshop**, Mathematical Sciences Research Institute, Berkeley, California.

Organizer: Brandy Wieggers.

Information: http://www.msri.org/calendar/workshops/WorkshopInfo/546/show_workshop.

February 2010

2–4 **3rd Global Conference on Power Control and Optimization PCO 2010**, Courtyard Surfers Paradise Resort, Gold Coast, Queensland, Australia. (Sept. 2009, p. 1026)

8–11 **The International Symposium on Stochastic Models in Reliability Engineering, Life Sciences, and Operations Management**, Sami Shamoon College of Engineering, Bialik/Basel Sts., Beer Sheva, 84100, Israel. (May 2009, p. 659)

8–12 **Mathematical Problems, Models and Methods in Biomedical Imaging**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Jun./Jul. 2009, p. 770)

8–12 **PIA 2010 — The Arithmetic of Fundamental Groups**, Mathematics Center Heidelberg (MATCH), Heidelberg, Germany. (Sept. 2009, p. 1026)

18–19 **February Fourier Talks 2010**, Norbert Wiener Center, University of Maryland, College Park, Maryland. (Jun./Jul. 2009, p. 770)

* 20–21 **Palmetto Number Theory Series XII**, Clemson University, Clemson, South Carolina.

Description: The Palmetto Number Theory Series (PANTS) is a series of number theory meetings held at colleges and universities in South Carolina, the Palmetto State. The core members of the PANTS consortium are: Clemson University, University of South Carolina.

Goal: Of the PANTS meetings is to provide an opportunity for number theorists in South Carolina, and more generally, in the Southeast, to hear about recent research in all areas of number theory, pure and applied.

Plenary speakers for PANTS XII: Joseph Silverman (Brown University) and James Cogdell (The Ohio State University).

Information: <http://www.math.clemson.edu/~jimlb/PANTS/PANTS20092010/pants12.html>.

22–26 **IMA Workshop: Analysis and Computation of Incompressible Fluid Flow**, Institute for Mathematics and its Applications (IMA), University of Minnesota, Minneapolis, Minnesota. (Apr. 2009, p. 525)

22–26 **Statistical and Learning-Theoretic Challenges in Data Privacy**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Jun./Jul. 2009, p. 770)

* 24–26 **SIAM Conference on Parallel Processing and Scientific Computing (PP10)**, Seattle, Washington.

Description: The Society for Industrial and Applied Mathematics is proud to present the Fourteenth Conference on Parallel Processing for Scientific Computing. This series of conferences has played a key role in promoting parallel scientific computing, algorithms for parallel systems, and parallel numerical algorithms. The conference is unique in its emphasis on the intersection between high performance scientific computing and scalable algorithms, architectures, and software. The conference provides a forum for communication among the applied mathematics, computer science, and computational science and engineering communities.

Information: <http://www.siam.org/meetings/pp10/index.php>.

26–28 **Texas Geometry and Topology Conference**, Texas Christian University Fort Worth, TX. (Nov. 2009, p. 1359)

22–March 5 **Arithmetic Geometry for Function Fields of Positive Characteristic**, Centre de Recerca Matemàtica, UAB, E-08193 Bellaterra, Barcelona, Spain. (Nov. 2009, p. 1359)

24–26 **SIAM Conference on Parallel Processing and Scientific Computing (PP10)**, Hyatt Regency Seattle, Seattle, Washington. (Apr. 2009, p. 525)

March 2010

* 1–May 28 **Doc-Course IMUS**, IMUS, University of Sevilla, Sevilla, Spain.

Description: This is a post-graduate intensive school on “Constructive approximation, Optimization and Mathematical Modeling”, to be held in Sevilla, Spain, from March 1 to May 28, 2010, proposed as an activity of IMUS (the Institute of Mathematics of the University of Sevilla) and sponsored by the INGENIO-CONSOLIDER program through i-math. The program consists of five Research Units: constructive approximation and special functions; modeling, numerical analysis and scientific computing; control of systems governed by differential equations; mathematical programming and bifurcation analysis of dynamical systems. There will be five specific courses and a research seminar. The main objective is doing research work under the supervision and guidance of an assigned academic tutor. Eventually, the proposed research problems could become the starting point of research or a doctoral thesis.

Information: <http://institucional.us.es/doc-course-imus/>.

8–12 **AIM Workshop: Mock Modular Forms in Combinatorics and Arithmetic Geometry**, American Institute of Mathematics, Palo Alto, California. (Jun./Jul. 2009, p. 770)

8–12 **Workshop on Graphs and Arithmetic**, Centre de recherches mathématiques, Université de Montréal, Montréal, Canada. (Oct. 2009, p. 1148)

8–June 11 **Long Program: Model and Data Hierarchies for Simulating and Understanding Climate**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Apr. 2009, p. 526)

9–12 **Model and Data Hierarchies for Simulating and Understanding Climate: Tutorials**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, CA (Nov. 2009, p. 1359)

15–19 **Localization techniques in equivariant cohomology**, American Institute of Mathematics, Palo Alto, California. (May 2009, p. 659)

* 15–19 **MSRI—Research workshop: Homology Theories of Knots and Links**, Mathematical Sciences Research Institute, Berkeley, California. **Organizer:** Peter S. Ozsváth (Columbia University).

Information: http://www.msri.org/calendar/workshops/WorkshopInfo/512/show_workshop.

17–19 **IAENG International Conference on Operations Research 2010**, Regal Kowloon Hotel, Hong Kong, China. (Aug. 2009, p. 863)

17–26 **Second International School on Geometry and Physics. Geometric Langlands and Gauge Theory**, Centre de Recerca Matemàtica, UAB, E-08193 Bellaterra, Barcelona, Spain. (Nov. 2009, p. 1359)

18–20 **44th Spring Topology and Dynamics Conference 2010**, Mississippi State University, Starkville, Mississippi. (Sept. 2009, p. 1027)

* 18–20 **Workshop on Categorical Topology**, University of Azores, Ponta Delgada, Island of São Miguel, Azores, Portugal.

Description: The Workshop on Categorical Topology will be held at the Department of Mathematics, University of Azores, in honour of Eraldo Giuli, on the occasion of his 70th birthday.

Scientific Committee: Guillaume Brummer (Cape Town, South Africa), Maria Manuel Clementino (Coimbra, Portugal), Eva Colebunders (Brussels, Belgium), Walter Tholen (Toronto, Canada), Anna Tozzi (L’Aquila, Italy).

Information: <http://www.mat.uc.pt/~catop>.

18–21 **First International Conference on Mathematics and Statistics, AUS-ICMS ‘10**, American University of Sharjah (AUS), Sharjah, United Arab Emirates. (Jun./Jul. 2009, p. 770)

* 21–26 **MSRI—Symplectic and Contact Topology and Dynamics: Puzzles and Horizons**, Mathematical Sciences Research Institute, Berkeley, California.

Organizers: Paul Biran (Tel Aviv University), John Etnyre (Georgia Institute of Technology), Helmut Hofer (Courant Institute), Dusa McDuff (Barnard College), Leonid Polterovich (Tel Aviv University).

Information: http://www.msri.org/calendar/workshops/WorkshopInfo/475/show_workshop.

22–26 **Equation Hierarchies for Climate Modeling**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Sept. 2009, p. 1028)

27–28 **AMS Southeastern Section Meeting**, University of Kentucky, Lexington, Kentucky. (Sept. 2009, p. 1028)

29–April 2 **AIM Workshop: Computational optimization for tensor decompositions**, American Institute of Mathematics, Palo Alto, California. (Jun./Jul. 2009, p. 770)

30–April 1 **Second International Conference on Engineering Systems Management and Its Applications ICESMA2010**, American University of Sharjah, Sharjah, United Arab Emirates. (Oct. 2009, p. 1148)

April 2010

10–11 **AMS Central Section Meeting**, Macalester College, St. Paul, Minnesota. (Sept. 2009, p. 1028)

* 12–14 **SIAM Conference on Imaging Science (IS10)**, Chicago, Illinois.

Description: Current developments in the technology of imaging have led to an explosive growth in the interdisciplinary field of imaging science. With the advent of new devices capable of seeing objects and structures not previously imagined, the reach of science and medicine has been extended in a multitude of different ways. The impact of this technology has been to generate new challenges associated with the problems of formation, acquisition, compression, transmission, and analysis of images. By their very nature, these challenges cut across the disciplines of physics, engineering, mathematics, biology, medicine, and statistics. While the primary purpose of this conference is to focus on mathematical issues, the biomedical aspects of imaging will also play an important role.

Information: <http://www.siam.org/meetings/is10/>.

12-16 Climate Modeling: Numerical Hierarchies for Climate Modeling, Introduction for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Aug. 2009, p. 863)

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. (Nov. 2009, p. 1359)

12-16 IMA Workshop: Transport and Mixing in Complex and Turbulent Flows, Institute for Mathematics and its Applications (IMA), University of Minnesota, Minneapolis, Minnesota. (Apr. 2009, p. 526)

14-17 International Workshop on Multivariate Risks and Copulas, Mohamed Khider University of Biskra, Algeria. (Aug. 2009, p. 863)

14-18 International Conference on Fundamental Structures of Algebra in honor of the 70th birthday of Professor S. Erban Basarab, Faculty of Mathematics and Computer Science, Ovidius University, Constanta, Romania. (Nov. 2009, p. 1359)

15-17 35th Spring Lectures Series, 2010 "Minimal Surfaces and Mean Curvature Flow", University of Arkansas, Fayetteville, Arkansas. (Aug. 2009, p. 864)

17-18 AMS Western Section Meeting, University of New Mexico, Albuquerque, New Mexico. (Sept. 2009, p. 1028)

* **23-25 Midwest Algebra, Geometry and their Interactions Conference MAGIC'10**, University of Notre Dame, Notre Dame, Indiana.

Description: The conference continues a well established tradition of commutative algebra and algebraic geometry meetings in the Midwest, among which we single out MAGC97 at the University of Notre Dame in 1997, the first Bluegrass Algebra Conference at the University of Kentucky in 2003, the Lipman-Fest at Purdue University in 2004, MAGIC'05 at the University of Notre Dame in 2005, the Purdue-UIC Workshop at Purdue University in 2006, the Hartshorne's 70th birthday conference at the University of Illinois at Chicago in 2008, the second Bluegrass Algebra Conference at the University of Kentucky in 2009, and the Libgober's 60th birthday conference at the University of Illinois at Chicago in 2009. Young Mathematicians are especially encouraged to attend. There is a limited amount of funding. A registration page and further information will be shortly available at the meeting website.

Organizers: Nero Budur (Notre Dame), Alberto Corso (Kentucky), Juan Migliore (Notre Dame), Claudia Polini (Notre Dame).

Information: <http://www.ms.uky.edu/~pasi2009/MAGIC'10/>.

* **28-May 1 SIAM Conference on Data Mining (SDM10)**, Columbus, Ohio.

Description: Data mining is an important tool in science, engineering, industrial processes, healthcare, business, and medicine. The datasets in these fields are large, complex, and often noisy. Extracting knowledge requires the use of sophisticated, high-performance and principled analysis techniques and algorithms, based on sound theoretical and statistical foundations. These techniques in turn require powerful visualization technologies; implementations that must be carefully tuned for performance; software systems that are usable

by scientists, engineers, and physicians as well as researchers; and infrastructures that support them.

Information: <http://www.siam.org/meetings/sdm10/index.php>.

May 2010

3-7 Advanced Course on Foliations: Dynamics-Geometry-Topology, Centre de Recerca Matemàtica (CRM), Bellaterra, Barcelona, Spain. (Sept. 2009, p. 1028)

3-7 Simulation Hierarchies for Climate Modeling, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Sept. 2009, p. 1029)

* **10-14 MSRI—Symplectic Geometry, Noncommutative Geometry and Physics**, Mathematical Sciences Research Institute, Berkeley, California.

Organizers: Robert Dijkgraaf (Amsterdam), Toru Eguchi (Kyoto), Yakov Eliashberg (Stanford), Kenji Fukaya (Kyoto), Yoshiaki Maeda (Yokohama), Dusa McDuff (Stony Brook), Paul Seidel (Cambridge, MA), Alan Weinstein (Berkeley).

Information: http://www.msri.org/calendar/workshops/WorkshopInfo/548/show_workshop.

17-20 25th Annual Shanks Lecture and Conference: Optimal Configurations on the Sphere and Other Manifolds, Vanderbilt University, Nashville, Tennessee. (Sept. 2009, p. 1029)

17-21 AIM Workshop: Supercharacters and combinatorial Hopf algebras, American Institute of Mathematics, Palo Alto, CA. (Nov. 2009, p. 1359)

17-22 Frobenius splitting in algebraic geometry, commutative algebra, and representation theory, University of Michigan, Ann Arbor, MI. (Nov. 2009, p. 1359)

22-23 AMS Eastern Section Meeting, New Jersey Institute of Technology, Newark, New Jersey. (Sept. 2009, p. 1029)

23-26 SIAM Conference on Mathematical Aspects of Materials Science (MS10), Doubletree Hotel Philadelphia, Philadelphia, Pennsylvania. (Aug. 2009, p. 864)

* **23-29 Almost Complex Geometry and Foliations**, University of Lille-1, Villeneuve d'Ascq, France.

Invited speakers: Barraud J.-F. (University of Toulouse); Dinh T.-C. (University Paris-6); Duval J. (University Paris-11); Fornaess J.-E. (University of Michigan); Forstneric F. (University of Ljubljana); Gaussier H. (University of Grenoble); Henkin G. (University Paris-6); Kruglikov B. (University of Tromsø); Loray F. (University of Rennes-1); McKay B. (University College Cork); McQuillan M. (University of Glasgow); Nemirovski S. (Steklov Institute); Rosay J.-P. (University of Wisconsin-Madison); Shevchishin V. (University of Hamburg); Sikorav J.-C. (ENS Lyon); Tumanov A. (University of Illinois); Viterbo C. (Ecole Polytechnique, Paris).

Information: If you wish to participate in the Conference please send a confirmation e-mail to: sukhov@math.univ-lille1.fr. Visit: http://math.univ-lille1.fr/~ivachkov/conference2/index_acgf.html.

24-28 Applied Linear Algebra—in Honor of Hans Schneider, Department of Mathematics, Faculty of Science, Novi Sad, Serbia. (Aug. 2009, p. 864)

24-28 Data Hierarchies for Climate Modeling, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Sept. 2009, p. 1029)

25-28 8th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Dresden, Germany. (Jun./Jul. 2009, p. 770)

25-29 BALWOIS 2010: Fourth International Scientific Conference, Ohrid, Republic of Macedonia. (Jun./Jul. 2009, p. 771)

* 25–June 2 **The 14th Conference on Modern Group Analysis**, Storforsen Hotel, Vidsel (near Lulea, Sweden).

Description: The aim of MOGRAN-14 is to stimulate discussions of new ideas, mathematical methods and applications of group analysis to problems of nonlinear differential equations, difference equations and integro-differential equations in mathematical modeling.

Information: <http://www.sm.luth.se/~norbert/mogran-14.html/>.

26–28 **International Conference on Computational Mathematics (ICCM) 2010 Waorkshop on Advances in Numerical Partial Differential Equations**, Holiday Inn Tobu Narita 320-1 TOKKO, CHIBA NARITA, CHIBA, 286-0106 JAPAN. (Nov. 2009, p. 1360)

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. (Nov. 2009, p. 1360)

27–28 **From A=B to Z=60, A Conference in Honor of Doron Zeilberger's 60th Birthday**, Rutgers University, Piscataway, New Jersey. (Nov. 2009, p. 1360)

* 31–June 4 **Emerging Topics in Dynamical Systems and Partial Differential Equations**, Barcelona, Spain.

Description: This conference is devoted to fostering the interaction between the SIAM Activity Groups in Analysis of Partial Differential Equations (PDEs) and in Dynamical Systems and Applications (DS) with the Catalan and Spanish mathematical societies and RSME, SCM, and SEMA and the European applied mathematical community in general. The conference will put special emphasis in stimulating new promising research lines in PDEs and DS, encouraging bridges between academia and industry. Modelling, theoretical analysis, numerical analysis and simulation are the methodological core of these fields. Minisymposia and contributions in all these strategies are welcome, particularly those who use them in a unifying way.

Information: <http://www.siam.org/meetings/dspdes/index.php>.

June 2010

1–5 **IMA Workshop: Natural Locomotion in Fluids and on Surfaces: Swimming, Flying, and Sliding**, Institute for Mathematics and its Applications (IMA), University of Minnesota, Minneapolis, Minnesota. (Apr. 2009, p. 526)

2–5 **Number Theory and Representation Theory—A conference in honor of Dick Gross' 60th birthday**, Science Center, Harvard University, Cambridge, Massachusetts. (Jun./Jul. 2009, p. 771)

7–11 **AIM Workshop: Low dimensional structures in dynamical systems with variable time lags**, American Institute of Mathematics, Palo Alto, CA. (Nov. 2009, p. 1360)

* 8–9 **2010 Clay Research Conference**, Institut Henri Poincaré, Paris, France.

Description: The Clay Mathematics Institute will hold its annual Research Conference June 8 and 9, 2010, at the Institut Henri Poincaré in Paris.

Information: www.claymath.org.

10–12 **Geometric and Probabilistic Aspects of General Relativity**, University of Strasbourg, Strasbourg, France. (Oct. 2009, p. 1148)

13–18 **48th International Symposium on Functional Equations**, Batz-sur-Mer, France. (Nov. 2009, p. 1360)

* 14–17 **SIAM Conference on Discrete Mathematics (DM10)**, Austin, Texas.

Description: Discrete mathematics is a dynamic field in both theory and applications. Researchers in discrete mathematics have established important connections with mainstream areas of pure and applied mathematics, and as a consequence, research techniques and problems are drawn from a wide range of different fields, including algebra, topology, geometry, probability, analysis and logic. The pur-

pose of this conference is to highlight the major theoretical advances in the field, the development of new tools for discrete mathematics, and the most significant of the new applications of discrete mathematics to problems arising in industry and business. The conference also seeks to bring together participants from the many different environments where discrete mathematics is developed and applied.

Information: <http://www.siam.org/meetings/dm10/>.

16–23 **Budapest Semesters in Mathematics 25th Anniversary Reunion and Conference**, Budapest, Hungary. (Nov. 2009, p. 1360)

17–19 **Coimbra Meeting on 0-1 Matrix Theory and Related Topics**, Department of Mathematics, University of Coimbra, Portugal. (Jun./Jul. 2009, p. 771)

18–August 15 **Geometry, Topology, and Dynamics of Character Varieties**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Aug. 2009, p. 864)

21–26 **“Alexandru Myller” Mathematical Seminar Centennial Conference**, “Al. I. Cuza” University of Iași, Romania. (Jun./Jul. 2009, p. 771)

26–30 **2010 International Conference on Topology and its Applications**, Nafpaktos, Greece. (Jun./Jul. 2009, p. 771)

28–July 2 **The Józef Marcinkiewicz Centenary Conference (JM 100)**, A. Mickiewicz University, Faculty of Mathematics and Computer Science, Poznań, Poland. (Aug. 2009, p. 864)

* 28–July 3 **Teichmüller Theory and its Interactions in Mathematics and Physics**, Centre de Recerca Matemàtica, Bellaterra, Spain.

Description: This ESF-EMS-ERCOM Conference aims to highlight some of the most important advances in Teichmüller theory. This theory will be considered both from the geometric point of view (Thurston's theory and its ramifications) and from the analytic point of view (the Ahlfors-Bers theory and its ramifications). The relation with physics will also be emphasized.

Topics: Weil-Petersson geometry and other metric structures; mapping class groups and their representation theory; rigidity theory; infinite-dimensional Teichmüller spaces; relations with dynamical systems; relations with number theory and probability theory; invariants of 3- and 4-manifolds; moduli spaces of flat connections; cluster algebras and quantization. In addition to specialized talks, there will be several survey talks given by leading experts in the field. Young researchers are particularly encouraged to participate, and graduate students in the field are also welcome.

Information: <http://www.esf.org/conferences/10321>.

* 30–July 2 **The 2010 International Conference of Applied and Engineering Mathematics**, Imperial College, London, U.K.

Information: <http://www.iaeng.org/WCE2010/ICAEM2010.html>.

July 2010

5–9 **11th International Conference on p-adic Functional Analysis**, Université Blaise Pascal, Les Cezeaux, Aubiere, France. (Oct. 2009, p. 1148)

6–8 **Conference on Industrial and Applied Mathematics**, Bandung Institute of Technology, Bandung, Indonesia (Nov. 2009, p. 1360)

12–August 6 **Statistical Challenges Arising from Genome Sequencing**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Sept. 2009, p. 1030)

12–15 **SIAM Conference on the Life Sciences (LS10)**, The David L. Lawrence Convention Center, Pittsburgh, Pennsylvania. (Apr. 2009, p. 526)

12–16 **2010 SIAM Annual Meeting (AN10)**, The David L. Lawrence Convention Center, Pittsburgh, Pennsylvania. (Apr. 2009, p. 526)

19–August 13 **Gyrokinetics in Laboratory and Astrophysical Plasmas**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Sept. 2009, p. 1031)

* 25–31 **The XXI School of Algebra**, Brasília, Brazil.

Description: The XXI School of Algebra, the 21st edition of the biannual Brazilian meeting of Algebraists, will take place at the University of Brasília, from July 25 to 31, 2010.

Information: <http://www.algebra.unb.br>.

* 26–30 **Analysis on Graphs and its Applications**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom.

Description: This is a follow-up workshop for the 2007 Newton Institute's 6 months program with the same title. As the 2007 program, the workshop will concentrate on three major intertwined areas: Analysis on Discrete Graphs (Discrete Geometric Analysis), Analysis on Fractals, and Analysis on Quantum Graphs, as well as their applications to various areas of mathematics, sciences, and engineering.

Organizing Committee: B. M. Brown (Cardiff, UK), P. Exner (Czech Academy of Sciences), P. Kuchment (Texas A&M), and T. Sunada (Meiji University, Japan).

Information: <http://www.newton.ac.uk/programmes/AGA/agaw06.html>.

26–30 **6th International Conference on Lévy Processes: Theory and Applications**, Technical University of Dresden, Dresden, Germany. (Apr. 2009, p. 526)

26–August 6 **Winter School on Topics in Noncommutative Geometry**, Departamento de Matemática, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina. (Apr. 2009, p. 526)

August 2010

* 2–6 **AIM Workshop: Differentiable structures on finite sets**, American Institute of Mathematics, Palo Alto, California.

Description: This workshop, sponsored by AIM and the NSF, will focus on recent activity in the study of Lipschitz structures on finite sets. In particular, the workshop will address the question of whether there is a reasonable notion of structures on a finite set involving higher degrees of smoothness.

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

2–6 **Formal Power Series and Algebraic Combinatorics 2010**, San Francisco State University, San Francisco, CA, USA. (Nov. 2009, p. 1360)

* 2–13 **Third Hands-On Research in Complex Systems School**, University of Buea, Buea, Cameroon.

Description: This two-week-long school will provide an interactive experience with hands-on research involving tabletop experiments with real-time computer data acquisition and associated computational modeling. This school is mainly aimed at providing hands-on tools in Complexity Science to Africans.

Information: http://cdsagenda5.ictp.it/full_display.php?email=0&ida=a09184.

* 4–7 **JAIRO CHARRIS SEMINAR 2010: Algebraic Aspects of Darboux Transformations, Quantum Integrable Systems and Supersymmetric Quantum Mechanics**, Universidad Sergio Arboleda, Sede Rodrigo Noguera Laborde, Santa Marta, Colombia.

Description: JAIRO CHARRIS SEMINAR (JCHS) is an IMA annual meeting which is dedicated to Jairo Antonio Charris Castañeda (in memoriam). The thematic for JCHS 2010 is Algebraic Aspects of Darboux Transformations, Quantum Integrable Systems and Supersymmetric Quantum Mechanics (see <http://ima.usergioarboleda.edu.co/SJCH/JCHS2010.htm>).

Scientific committee: Peter Olver, Alexander Turbiner, Niki Kamran, Mikhail Plyushchay, Alberto Grünbaum and Federico Finkel

Deadline: To submit abstracts for talks (50 minutes) and posters is: May 3, 2010. Abstracts (in tex format) should be sent to Primitivo B. Acosta-Humanez (email: primi@ima.usergioarboleda.edu.co),

David Blazquez-Sanz (email: david@ima.usergioarboleda.edu.co) or seminario.charris@gmail.com.

Financial assistance: Is available to assist graduate students with travel costs and/or local expenses (see <http://ima.usergioarboleda.edu.co/SJCH/JCHS.htm>).

Information: <http://ima.usergioarboleda.edu.co/SJCH/JCHS2010.htm>.

8–11 **Functional Analysis and Operator theory**, Indian Statistical Institute, Bangalore, India. (Aug. 2009, p. 864)

* 11–14 **The Fourth International Conference on Neural, Parallel & Scientific Computations**, ICNPSC-4, Department of Mathematics, Morehouse College, Atlanta, Georgia.

General Topics: Analytical and Computational methods on all aspects of Neural, Parallel, and Scientific Computing.

Deadlines: Submission of article (on or before): April 15, 2010.

Conference Coordinator: M. Sambandham, ICNPSC4, Department of Mathematics Morehouse College, Atlanta, GA 30314; phone: (404) 215-2614, fax: (404) 572-3645.

Information: <http://www.dynamicpublishers.com/icnpssc4.htm>.

11–December 22 **Mathematical and Statistical Approaches to Climate Modelling and Prediction**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Sept. 2009, p. 1031)

12–15 **International Conference on Recent Trends in Graph Theory and Combinatorics, ICRTGC-2010**, Cochin, India. (Jun./Jul. 2009, p. 771)

* 13–17 **ICM Satellite Conference on Probability and Stochastic Processes**, Indian Statistical Institute, Bangalore, India.

Description: The International Congress of Mathematicians (ICM) meeting for the year 2010 is scheduled to be held in India at Hyderabad in August. As part of this, a satellite conference is being organized on Probability and Stochastic Processes. The satellite conference will be held in Bangalore, from August 13 to August 17, 2010, in the campus of the Indian Statistical Institute, Bangalore Centre.

Plenary Speakers: S. R. S. Varadhan, Alain-Sol Sznitman, Erwin Bolthausen, Andrea Montanari, Alison Etheridge, Louis Chen, Maury Bramson, Gabor Lugosi.

Topics for Invited Lectures: Are invited for presentation in the following areas: Stochastic Networks, Random Media, Concentration Inequalities, SLE, Random Matrices, SPDE, Rough Path Analysis, Polymer Models, Malliavin Calculus. In addition to the above there will be contributed sessions in all areas of Probability and Stochastic Processes. Speakers can submit titles and abstracts for the same along with the registration process.

Information: <http://www.isibang.ac.in/~statmath/icmprobsat/>.

14–17 **Satellite Conference of ICM 2010 on Mathematics in Science and Technology**, India Habitat Centre, Lodhi Road, New-Delhi, India. (Nov. 2009, p. 1360)

16–19 **SIAM Conference on Nonlinear Waves and Coherent Structures (NW10)**, Sheraton Society Hill Hotel, Philadelphia, Pennsylvania. (Nov. 2009, p. 1361)

16–December 17 **MSRI Future Scientific Programs: Inverse Problems and Applications**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2009, p. 864)

16–December 17 **MSRI Future Scientific Programs: Random Matrix Theory, Interacting Particle Systems and Integrable Systems**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2009, p. 864)

16–December 22 **Partial Differential Equations in Kinetic Theories**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Sept. 2009, p. 1031)

* 19–20 **MSRI—Connections for Women: Inverse Problems and Applications**, Mathematical Sciences Research Institute, Berkeley, California.

Organizers: Tanya Christiansen (University of Missouri, Columbia), Alison Malcolm (MIT), Shari Moskow (Drexel), Chrysoula Tsogka (University of Crete), Gunther Uhlmann (University of Washington, chair).

Information: http://www.msri.org/calendar/workshops/WorkshopInfo/513/show_workshop.

20–25 **Third International Conference on Boundary Value Problems, Integral Equations and Related Problems**, Beijing and Baoding, Hebei, China. (Aug. 2009, p. 864)

* 23–27 **MSRI—Introductory Workshop on Inverse Problems and Applications**, Mathematical Sciences Research Institute, Berkeley, California.

Organizers: Margaret Cheney (RPI), Michael Vogelius (Rutgers), Gunther Uhlmann (chair) (University of Washington), Maciej Zworski (Univ. Calif., Berkeley).

Information: http://www.msri.org/calendar/workshops/WorkshopInfo/514/show_workshop.

23–27 **International Workshop on Geodesics**, Chern Institute of Mathematics, Nankai University, Tianjin, China. (Jun./Jul. 2009, p. 771)

31–September 4 **Permanents and modeling probability distributions**, American Institute of Mathematics, Palo Alto, California. (Jun./Jul. 2009, p. 771)

September 2010

7–10 **First International Workshop on Differential and Integral Equations with Applications in Biology and Medicine**, Aegean University, Karlovassi, Samos island, Greece. (Oct. 2009, p. 1148)

11–17 **NAFSA 9—The 9th International School on Nonlinear Analysis, Function Spaces and Applications**, Trest Castle, Czech Republic. (Oct. 2009, p. 1148)

* 13–17 **Random Matrix Theory and Its Applications I**, Mathematical Sciences Research Institute, Berkeley, California.

Organizers: Jinho Baik (University of Michigan), Percy Deift (Courant Institute of Mathematical Sciences), Alexander Its (IUPUI), Pierre van Moerbeke (Universite Catholique de Louvain and Brandeis University), Craig A. Tracy (UC Davis).

Information: http://www.msri.org/calendar/workshops/WorkshopInfo/508/show_workshop.

13–December 17 **Modern Trends in Optimization and Its Application**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, CA. (Nov. 2009, p. 1361)

* 20–21 **MSRI—Connections for Women: An Introduction to Random Matrices**, Mathematical Sciences Research Institute, Berkeley, California.

Organizers: Estelle Basor (American Institute of Mathematics, Palo Alto), Alice Guionnet (ENS, Lyon), Irina Nenciu (UIC, Chicago).

Information: http://www.msri.org/calendar/workshops/WorkshopInfo/509/show_workshop.

* 20–24 **10th International Conference on Parametric Optimization and Related Topics (paraoptX)**, Karlsruhe Institute of Technology, Karlsruhe, Germany.

Description: Parametric optimization is a part of mathematical programming and has emerged as an exciting research area in theory, numerics and applications. It investigates the properties of solutions to optimization problems under data perturbations or uncertainty. Many relations to other disciplines of operations research, like stochastic programming, complementarity problems, mixed-integer problems, model-building, numerical methods, multi-objective optimization and optimal control, originate from these properties. paraoptX welcomes papers as well as proposals for special sessions on any area in parametric optimization or related topics. We hope that the conference

will continue to help link researchers and practitioners from different areas of mathematical programming from around the world.

Information: <http://www.ior.kit.edu/paraoptX.php>.

20–October 1 **Berlin Mathematical School Summer School 2010 on Discretization in Geometry and Dynamics**, Technische Universität Berlin, Germany. (Oct. 2009, p. 1148)

October 2010

2–3 **AMS Eastern Section Meeting**, Syracuse University, Syracuse, New York. (Sept. 2009, p. 1032)

9–10 **AMS Western Section Meeting**, University of California, Los Angeles, California. (Sept. 2009, p. 1032)

26–29 **SIAM Conference on Applied Linear Algebra (LA09)**, Embassy Suites Hotel, Monterey Bay-Seaside, California. (Sept. 2009, p. 1032)

29–31 **AMS Central Section Meeting**, Notre Dame University, Notre Dame, Indiana. (Sept. 2009, p. 1032)

November 2010

6–7 **AMS Southeastern Section Meeting**, University of Richmond, Richmond, Virginia. (Sept. 2009, p. 1032)

* 8–12 **MSRI—Inverse Problems: Theory and Applications**, Mathematical Sciences Research Institute, Berkeley, California.

Organizers: Liliana Borcea (Rice), Carlos Kenig (Univ. Chicago), Maarten de Hoop (Purdue), Peter Kuchment (Texas A&M), Lassi Paivarinta (Univ. Helsinki), Gunther Uhlmann (Univ. Washington)

Information: http://www.msri.org/calendar/workshops/WorkshopInfo/540/show_workshop.

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

* 6–10 **MSRI—Random Matrix Theory and its Applications II**, Mathematical Sciences Research Institute, Berkeley, California.

Organizers: Alexei Borodin (Caltech), Percy Deift (Courant Institute of Mathematical Sciences), Alice Guionnet (ENS, Lyon), Kenneth McLaughlin (University of Arizona), and Craig A. Tracy (UC Davis).

Information: http://www.msri.org/calendar/workshops/WorkshopInfo/517/show_workshop.