
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/>.

March 2009

* 2–6 **IMA Workshop: Coherence, control, and dissipation**, Institute for Mathematics and its Applications (IMA), University of Minnesota Minneapolis, Minnesota.

Description: This workshop will focus on the interplay between mathematical and physical aspects on the three complementary subjects of quantum coherence, control, and dissipative dynamics, with a special emphasis on the dynamics of time-dependent systems driven by external electromagnetic fields and interacting with a medium. These fields have benefited from many ideas and techniques coming from the mathematical and engineering worlds, and have many applications to chemistry and physics.

Information: <http://www.ima.umn.edu/2008-2009/W3.2-6.09/>.

2–6 **SIAM Conference on Computational Science and Engineering (CSE09)**, Miami Hilton Downtown, Miami, Florida. (Feb. 2009, p. 307)

6–8 **2nd Bluegrass Algebra Conference**, University of Kentucky, Lexington, Kentucky. (Feb. 2009, p. 307)

7–11 **The Spring Topology and Dynamics Conference and the Ulam Centennial Conference**, University of Florida, Gainesville, Florida. (Feb. 2009, p. 308)

9–June 12 **Quantum and Kinetic Transport: Analysis, Computations, and New Applications**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Apr. 2008, p. 526)

10–13 **IPAM/Quantum and Kinetic Transport Equations: Tutorials**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Dec. 2008, p. 1447)

14 **Statistical Methods for Complex Data: A conference in honor of the 60th birthday of Raymond J. Carroll**, Texas A&M University, Department of Statistics, College Station, Texas. (Sept. 2008, p. 1030)

15–17 **Frontier Probability Days 2009**, University of Utah, Salt Lake City, Utah. (Dec. 2008, p. 1447)

15–20 **ALGORITMY 2009 Conference on Scientific Computing**, Hotel Permon, Podbanske, High Tatra Mountains, Slovak Republic. (Jun./Jul. 2008, p. 741)

15–21 **Spring School on Index Theory, Lie Groupoids and Boundary Value Problems**, University of Regensburg, Germany. (Feb. 2009, p. 308)

* 16–20 **Entropy and the Quantum**, University of Arizona, Tucson, Arizona.

Description: This school aims at introducing junior mathematicians to analytic inequalities and several of their applications. It will consist of four main lectures: “Quantum Physics from Zero” by Jan Wehr (University of Arizona); “Trace Inequalities and Quantum Entropy” by Eric Carlen (Rutgers University); “Quantum Entropy in Condensed Matter and Information Theory” by Bruno Nachtergaele (University of California, Davis); “Inequalities for Schroedinger Operators and Applications” by Robert Seiringer (Princeton University). In addition, many participants will contribute research talks.

Information: <http://www.ueltschi.org/AZschool/>.

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/>.

18–20 **IAENG International Conference on Scientific Computing ICSC 2009**, Regal Kowloon Hotel, Kowloon, Hong Kong. (Aug. 2008, p. 871)

20–22 **Southern Regional Algebra Conference 2009**, University of South Alabama, Mobile, Alabama. (Feb. 2009, p. 308)

20–23 **Cincinnati Symposium on Probability Theory and Applications 2009**, University of Cincinnati, Cincinnati, Ohio. (Feb. 2009, p. 308)

22–26 **SETIT 2009: The Fifth International Conference Sciences of Electronic, Technologies of Information and Telecommunications**, Hammamet, Tunisia. (Nov. 2008, p. 1319)

22–28 **Talbot Workshop 2009: Fukaya Categories**, Nags Head, North Carolina. (Jan. 2009, p. 70)

* 23–26 **IMA Hot Topics Workshop: Higher Order Geometric Evolution Equations: Theory and Applications from Microfluidics to Image Understanding**, Institute for Mathematics and its Applications (IMA), University of Minnesota, Minneapolis, Minnesota.

Description: This workshop will bring together analysts, numerical analysts, and domain scientists in the challenging area of research.
Information: <http://www.ima.umn.edu/2008-2009/SW3.23-26.09/>.

23–27 **Combinatorial, Enumerative and Toric Geometry**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2008, p. 871)

* 24–26 **Workshop on CR and Sasakian Geometry**, University of Luxembourg, Luxembourg.

Description: Recent developments in the theory of Cauchy-Riemann and Sasakian manifolds, and related topics.
Information: <http://math.uni.lu/CRSasaki>.

25–26 **Illinois Number Theory Celebration**, University of Illinois at Urbana-Champaign, Urbana, Illinois. (Jan. 2009, p. 70)

27 **Illinois/Missouri Applied Harmonic Analysis Seminar**, University of Illinois, Urbana, Illinois. (Feb. 2009, p. 308)

27–28 **35th Annual New York State Regional Graduate Mathematics Conference**, Syracuse University, Syracuse, New York. (Dec. 2008, p. 1447)

27–29 **AMS Central Section Meeting**, University of Illinois at Urbana-Champaign, Urbana, Illinois. (Aug. 2008, p. 871)

27–29 **GSCC09: Fifth Annual Graduate Student Combinatorics Conference**, University of Kentucky, Lexington, Kentucky. (Oct. 2008, p. 1134)

* 27–30 **The Fifth International Conference on Number Theory and Smarandache Notions**, Shangluo College, Shangluo, Shaanxi, People's Republic of China.

Description: This conference is organized by the Mathematics Institute of Northwest University and Shangluo College. Papers on number theory and Smarandache notions should be sent to the organizer by March 15, 2009.

30–April 3 **Quantum and Kinetic Transport: Computational Kinetic Transport and Hybrid Methods**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Dec. 2008, p. 1447)

April 2009

* 1–3 **100 Years of Queueing — The Erlang Centennial**, Technical University of Denmark, Copenhagen.

Description: In 1909 A.K. Erlang published the paper “The theory of probabilities and telephone conversations” (Nyt Tidsskrift for Matematik B, Vol. 20, pp. 33–39), which may be considered to be the first publication in queueing theory. To celebrate the centennial of queueing theory, a conference “100 years of queueing — The Erlang Centennial” will be organized in Copenhagen, on April 1–3, 2009. The number of participants is restricted. The journal *Queueing Systems* will devote a special issue to the papers that will be presented. The editors of the special issue are Søren Asmussen and Onno Boxma. There will be invited talks by Francois Baccelli, Sem Borst, Serguei Foss, Peter Glynn, Frank Kelly, John Kingman, Sean Meyn, Peter Taylor, Ward Whitt.

Information: <http://www.erlang100.dk>.

* 1–4 **Harmonic Analysis & Partial Differential Equations**, Marrakech, Morocco.

Mini-Courses: M. Englis (Czech Republic), V. V. Kisil (England), T. Koorwinder (Netherlands), T. Nomura (Japan).

Conferences: A. Boussejra (Morocco), S. Echterhoff (Germany), Y. Hantout (France), A. Intissar (France), M. Kolountzakis (Greece), K. Koufany (France), E. Ouhabaz (France), M. Sifi (Tunisia), K. Stempak (Poland), A. Zinoun (France).

Information: email: ahgsmaroc@gmail.com; <http://groups.google.com/group/ahgsMorocco>.

* 2–4 **Career Options for Women in Mathematical Sciences**, University of Minnesota Institute for Mathematics and its Applications, Twin Cities Campus, Minneapolis, Minnesota.

Description: This workshop aims to familiarize women in the mathematical sciences with professional opportunities in industry and government labs and to help them thrive in these fields. The audience is graduate students and Ph.D.'s in the early stages of their post-graduate careers. Researchers at any stage of their careers will also find it valuable. Speakers, panelists, and discussion leaders are women in research and management positions in industry and government labs as well as women in academia who have strong ties with industry. Participants are encouraged to present a poster on their research. Sponsored by the Institute of Mathematics and its Applications (IMA) at the University of Minnesota and the Association for Women in Mathematics (AWM).

Information: For more information and a tentative schedule, visit: <http://www.ima.umn.edu/2008-2009/SW4.2-4.09> or contact Cheri Shakiban at Shakiban@ima.umn.edu. The IMA's mission is to foster interdisciplinary research to address important problems arising in science, technology, and society.

2–4 **International Conference on Multimedia Computing and Systems (ICMCS'09)**, Polydisciplinary Faculty of Ouarzazate, Morocco. (Jan. 2009, p. 71)

4–5 **AMS Southeastern Section Meeting**, North Carolina State University, Raleigh, North Carolina. (Aug. 2008, p. 871)

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. (Jan. 2009, p. 71)

6–10 **The 3D Euler and 2D surface quasi-geostrophic equations**, American Institute of Mathematics, Palo Alto, California. (May 2008, p. 636)

* 14–17 **3rd International Workshop on Elementary Operators and their Applications (EOP2009)**, Queen's University Belfast, Belfast, Northern Ireland.

Description: The third international workshop on elementary operators and applications will be held in the Pure Mathematics Research Centre of Queen's University, Belfast, between April 14–17, 2009, as a satellite to the BMC2009, which is held jointly with the annual meeting of the Irish Mathematical Society at NUI Galway in the week before Easter. The workshop is organised by Dr. Martin Mathieu and supported by the London Mathematical Society and the Irish Mathematical Society.

Information: All information, including the list of invited speakers, can be found on the conference website: <http://elop2009.awardspace.co.uk/>; email: elop2009@qub.ac.uk.

15–17 **Quantum and Kinetic Transport: The Boltzmann Equation — DiPerna-Lions Plus 20 Years**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Dec. 2008, p. 1447)

* 16 **NSV-II: Second International Workshop on Numerical Software Verification. Verification of Cyber-Physical Software Systems**, Parc Hotel 55, San Francisco, California.

Description: The focus of the workshop for 2009 will be on the verification of software for Cyber-Physical Systems (CPS). CPS refers to the class of systems that integrate physical systems with computational and communication systems. Examples of CPS range from small scale systems, such as implanted medical devices or autonomous robots, to medium scale, such as automobiles and aircrafts, to large scale

systems, for example, a power grid. A key component of every CPS is the underlying software that controls a system or a system of systems. Numerical and logical errors in the software can have catastrophic results on the physical system. Many well-known CPS failures have been attributed to the existence of numerical errors and bugs in the software. NSV-II aims to initiate and catalyze work along such research directions by bringing together people from the hybrid systems, control and software verification communities. A secondary goal will be to create a benchmark problems library.

Information: <http://theory.stanford.edu/~srirams/nsv2/>.

16–18 **New Results on the Discrepancy Function, and Related Results, University of Arkansas Spring Lecture Series**, University of Arkansas, Fayetteville, Arkansas. (Dec. 2008, p. 1448)

17–18 **2009 Barrett Lectures**, University of Tennessee, Knoxville, Tennessee. (Feb. 2009, p. 308)

19–25 **Spring School on Variational Analysis and its Applications**, Paseky nad Jizerou, Czech Republic. (Feb. 2009, p. 308)

19–May 2 **Spring School on Fluid Mechanics and Geophysics of Environmental Hazards**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Jan. 2009, p. 71)

20–22 **Geometry and Physics: Atiyah80**, Edinburgh, Scotland, United Kingdom. (Dec. 2008, p. 1448)

23–25 **Twelfth New Mexico Analysis Seminar**, University of New Mexico, Albuquerque, New Mexico. (Feb. 2009, p. 308)

25–26 **AMS Eastern Section Meeting**, Worcester Polytechnic Institute, Worcester, Massachusetts. (Aug. 2008, p. 871)

25–26 **AMS Western Section Meeting**, San Francisco State University, San Francisco, California. (Aug. 2008, p. 872)

27–May 1 **Combinatorial Challenges in Toric Varieties**, American Institute of Mathematics, Palo Alto, California. (Jun./Jul. 2008, p. 741)

27–May 1 **Quantum and Kinetic Transport: Flows and Networks in Complex Media**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Dec. 2008, p. 1448)

28–30 **CMIS2009 5th Contact Mechanics International Symposium**, Technical University of Crete, Chania, Crete, Greece. (Jan. 2009, p. 71)

30–May 2 **SIAM International Conference on Data Mining**, John Ascuaga's Nugget, Sparks, Nevada. (Dec. 2008, p. 1448)

May 2009

* 1–3 **3rd Annual Graduate Student Probability Conference**, UNC-Chapel Hill, Chapel Hill, North Carolina.

Description: This conference is co-hosted by the Statistics and Operations Research Department at UNC-Chapel Hill and the Mathematics Department at Duke University. It provides graduate students and post-docs from across the country with the opportunity to speak on an area of interest within probability. Participants will have the opportunity to deliver and attend talks on a variety of topics within probability. With an audience composed primarily of students, the friendly and informal atmosphere fosters constructive discussions and promotes innovative research. In addition to the student talks, there will be keynote speaker addresses delivered by Professors David Aldous (UC-Berkeley), Russell Lyons (Indiana University) and Daniel Stroock (MIT).

Information: <http://www.unc.edu/~crbaek/gscp>.

1–June 20 **INdAM Intensive Period “Geometric Properties of Non-linear Local and Nonlocal Problems”**, Department of Mathematics “F. Brioschi”, Politecnico di Milano, Milan, Italy; Department of Mathematics “F. Casorati”, University of Pavia, Pavia, Italy. (Dec. 2008, p. 1448)

* 2–July 30 **Geometric Flows and Geometric Operators**, Center “Ennio De Giorgi”, Pisa, Italy.

Description: Intensive research period at the Ennio De Giorgi Center in Pisa about “Geometric Flows and Geometric Operators” in May/June/July 2009. The main program will consist of a series of lectures delivered by Mauro Carfora, Klaus Ecker, Matthew Gursky, Andrea Mal-

chioldi, Jeff Viaclovsky and a couple of meetings: “Geometric Flows in Mathematical and Theoretical Physics” 22/25 of June 2009 and “GFO in Pisa” –June 29/July 3, 2009. Moreover, we plan to organize during all the trimester daily seminars given by the participants. For more detailed info and abstracts, the website of the trimester is: <http://cvgmt.sns.it/GFO>. If you are interested in participating, please register there. Financial support is available for young students. Interested people must fill the form at the link above BEFORE February 15, 2009. There is a mailing list for participants or interested people to get up-to-date info on the trimester. To be put on or removed from the list, see: <http://cvgmt.sns.it/gfopisa>.

Information: <http://cvgmt.sns.it/GFO>

* 4–8 **Combinatorics, Randomization, Algorithms and Probability**, Centre de recherches mathématiques, Montréal, Québec.

Description: The ties between combinatorics and probability run so deep that for many deep and interesting problems, it is nonsensical to try to assign one category or the other. The subject of this workshop is these sorts of problems, many of which in fact come from the theoretical computer science and statistical physics communities. Most of the speakers straddle two or several of these areas in their research. We expect the workshop to both expose participants to cutting edge research in combinatorics and probability, and, importantly, to lead to fruitful discussions and the opening of new avenues of research.

Information: <http://www.crm.umontreal.ca/CARP09/index.php>.

* 4–8 **IMA Special Workshop: MOLCAS**, Institute for Mathematics and its Applications (IMA), University of Minnesota, Minneapolis, Minnesota.

Description: This 5-day workshop is an hands-on training on MOLCAS, a quantum chemistry software package. MOLCAS is a research tool for scientists, and was developed by the Lund quantum chemistry group. The basic philosophy behind MOLCAS is to develop methods that will allow an accurate ab initio treatment of very general electronic structure in small molecules in both ground and excited states, to more versatile procedures applied to systems of large size. The workshop is aimed at users and potential users of the MOLCAS suite. The workshop will consist of 8 hours of lectures and 17 hours of practical sessions. Participants are encouraged to bring their own problems to solve. Researchers interested in using MOLCAS as a platform to implement their own software are also welcome.

Information: <http://www.ima.umn.edu/2008-2009/SW5.4-8.09/>.

4–8 **Stochastic and Deterministic Spatial Modeling in Population Dynamics**, American Institute of Mathematics, Palo Alto, California. (Oct. 2008, p. 1134)

7–9 **8th Mississippi State: UAB Conference on Differential Equations and Computational Simulations**, Mississippi State University, Mississippi State, Mississippi. (Nov. 2008, p. 1319)

* 8–9 **Irish Geometry Conference**, University College Cork, Cork, Ireland.

Description: The annual meeting of Irish algebraic and differential geometers and geometric topologists and allied researchers.

Information: <http://euclid.ucc.ie/pages/staff/Mckay/conferences/irish-geometry-2009/>.

* 8–10 **Workshop on “Connections in Geometry and Physics 2009”**, Perimeter Institute for Theoretical Physics, Waterloo, Ontario, Canada.

Description: The workshop aims to gather together researchers, from Canada and around the world, who work at the interface between geometry and physics. A secondary objective is to further increase Canada’s presence and visibility in geometry within the wider international mathematical community, and to serve as an opportunity for geometers in the region with common interests to meet. This in particular influences the choice to focus the workshop on three main research areas: elliptic and parabolic equations in geometry, geometry and topology of moduli spaces, and structures in symplectic geometry.

Information: <http://www.math.uwaterloo.ca/~gap/>

10-15 **ICMI Study 19: Proof and Proving in Mathematics Education**, Taipei, Taiwan. (May 2008, p. 636)

* 11-13 **2009 IEEE International Conference on Technologies for Homeland Security**, The Westin Waltham Boston, 70 Third Avenue, Waltham, Massachusetts.

Description: With technical assistance from the U.S. DHS S&T Directorate, U.S. DHS DNDO, and the U.S. DOE NNSA; the ninth annual IEEE Conference on Technologies for Homeland Security HST'09, will focus on novel and innovative technologies, which address the most pressing national security problems. The conference will bring together innovators from leading universities, research laboratories, Homeland Security Centers of Excellence, small businesses, system integrators, and the end user community and provide a forum to discuss ideas, concepts, and experimental results.

Information: <http://www.ieeehomelandsecurityconference.org/>.

11-13 **TQC 2009: The 4th Workshop on Theory of Quantum Computation, Communication, and Cryptography**, University of Waterloo, Waterloo, Ontario, Canada. (Dec. 2008, p. 1448)

11-15 **Workshop and Advanced Course on Deterministic and Stochastic Modelling in Computational Neuroscience and other Biological Topics**, Barcelona, Spain. (Nov. 2008, p. 1319)

12-14 **7th International Symposium on Hysteresis Modeling and Micromagnetics (HMM-2009)**, Gaithersburg, Maryland. (Nov. 2008, p. 1319)

12-16 (NEW DATE) **First Buea International Conference on the Mathematical Sciences**, University of Buea, Cameroon. (Mar. 2008, p. 408)

* 13-15 **The 2nd International Conference on Nonlinear Analysis and Optimization**, University of Isfahan, Isfahan, Iran.

Description: The main aim of this conference is to gather researchers on nonlinear analysis and optimization, stimulate scientific information on nonlinear analysis and optimization, and to discuss recent advances in theoretical and applicable aspects of these areas. The conference also seeks to strengthen ties with the international community and enable participants to benefit from an exchange of results and experience with their colleagues from other countries.

Scientific and Organizing Committee: M. Chinaie, M. Fakhar, N. Hadjisavvas, H. Harsij, J. E. Martinez-Legaz, S. Nobakhtian, M. Pouryayevali, A. Rejali, M. Rezaei, J. Zafarani.

Tentative list of Main Speakers: F. Flores-Bazan, N. Hadjisavvas, L. J. Lin, N. Mahdavi-Amiri, J. E. Martinez-Legaz, P. Pardalos, M. Thera, X. Q. Yang, J. C. Yao.

Information: <http://www.sci.ui.ac.ir/~naop2009>; email: nhad@aegean.gr.

17-21 **SIAM Conference on Applications of Dynamical Systems (DS09)**, Snowbird Ski and Summer Resort, Snowbird, Utah. (Oct. 2008, p. 1134)

17-22 **Topology, C*-Algebras, and String Duality - an NSF/CBMS Regional Conference in the Mathematical Sciences**, Texas Christian University, Fort Worth, Texas. (Jun./Jul. 2008, p. 742)

* 18-21 **Mathematical Modeling in the Medical Sciences, in conjunction with the 24th Annual Shanks Lecture**, Department of Mathematics, Vanderbilt University, Nashville, Tennessee.

Description: Biomathematics encompasses the application of mathematical methods to the study of living organisms. Mathematics plays an essential role in understanding of biological systems on many different scales both size and time. For example, we can model biological processes at various scales: (1) molecular, sub-cellular, cellular, tissue, organism and population; and (2) milliseconds, seconds, minutes, hours, days and years. Mathematics has a rich history as a tool for biologists. More recently, mathematics has found applications in the medical sciences, both in the basic sciences of medicine and in patient care. The 24th Shanks Conference is a forum for all areas of biomathematics, but speakers have been invited from the special interest areas: Models of cancer growth; models of epidemics and infection; models of physiologic systems and clinical practice; and medical imaging. The featured Shanks Lecturer is Nicola Bellomo of Politecnico Torino.

Information: <http://www.math.vanderbilt.edu/~shanks2009>.

18-22 **Quantum and Kinetic Transport: Asymptotic Methods for Dissipative Particle Systems**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Dec. 2008, p. 1448)

18-22 **SAMPTA'09 (Sampling Theory and Applications)**, Centre International de Rencontres Mathématiques (CIRM), Luminy campus, Marseille, France. (Dec. 2008, p. 1448)

* 18-22 **Workshop on Topological Field Theories**, Northwestern University, Evanston, Illinois.

Description: This workshop is intended primarily for graduate students and others preceding a conference on Topological Field Theory and related geometry, topology, and category theory to be held at Northwestern University during the week of Memorial Day (May 25-29, 2009). The workshop will be run by David Ben-Zvi, Jacob Lurie, and Bertrand Toen. The organizers are Kevin Costello, Ezra Getzler, and Paul Goerss. Both the conference and the workshop will be supported by the National Science Foundation and Northwestern University. If you are interested in support, please notify the organizers by February 20, 2009.

Information: <http://www.math.northwestern.edu/~pgoerss/tftemphasis/>.

18-23 **Workshop on Interacting Stochastic Particle Systems**, Centre de recherches mathématiques, Université de Montréal, Montréal, Québec, Canada. (Jan. 2008, p. 78)

25-29 **6th European Conference on Elliptic and Parabolic Problems**, Hotel Serapo, Gaeta, Italy. (Oct. 2008, p. 1134)

25-29 **14th International Conference on Gambling & Risk Taking**, Harrah's Lake Tahoe, Stateline, Nevada. (Oct. 2008, p. 1134)

* **Conference on Topological Field Theory**, Northwestern University, Evanston, Illinois.

Description: This is a conference on Topological Field Theory and related geometry, topology, and category theory. There will be a workshop intended primarily for graduate students and others new to the field during the preceding week. The speaker list is on the conference web site and will be updated there. The organizers are Kevin Costello, Ezra Getzler, and Paul Goerss. Both the conference and the workshop will be supported by the National Science Foundation and Northwestern University. If you'd like support, please contact the organizers by February 20, 2009. Priority will go to those who respond early.

Information: <http://www.math.northwestern.edu/~pgoerss/tftemphasis/>; email: tftconference@math.northwestern.edu.

25-29 **Indam School on symmetry for elliptic PDEs (30 years after a conjecture of De Giorgi and related problems)**, Istituto Nazionale di Alta Matematica, Università di Roma La Sapienza, Rome, Italy. (Feb. 2009, p. 309)

* 26-29 **Fourth Symposium on Analysis and PDEs**, Purdue University, West Lafayette, Indiana.

Description: The symposium will be held on the occasion of the 55th birthday of Nicola Garofalo in recognition of his scientific achievements and his dedication to the mathematical community. It will bring together some of the world's most prominent specialists in the general areas of Partial Differential Equations, Harmonic Analysis, and Geometric PDEs. One of the purposes of the symposium is to introduce prospective and young researchers to a larger mathematical community and help them to establish professional connections with key figures in their areas of interest. Furthermore, the symposium will provide an opportunity to summarize some of the most recent progress in the field, exchange ideas towards the solution of open questions, and formulate new problems and avenues of research.

Information: <http://www.math.purdue.edu/~danielli/symposium09/Home.html>.

27-30 **17th biennial conference of the Association of Christians in the Mathematical Sciences**, Wheaton College, Wheaton, Illinois. (Jan. 2009, p. 71)

* 27-30 **Dynamical trends in Analysis**, Royal Institute of Technology, Stockholm, Sweden.

Description: This conference will focus on dynamical methods and ideas in analysis. Several world-leading experts will represent various aspects of the interaction between these subjects.

Information: <http://www.math.kth.se/dynamicstrends/>.

27–June 1 **The International Conference “Infinite Dimensional Analysis and Topology”**, Yaremche, Ivano-Frankivsk, Ukraine. (May 2008, p. 636)

31–June 6 **Spring School on Analysis: Function Spaces, Inequalities and Interpolation**, Paseky nad Jizerou, Czech Republic. (Feb. 2009, p. 309)

June 2009

1–3 **Second Global Conference on Power Control and Optimization (PCO-2009)**, Bali, Indonesia. (Jan. 2009, p. 71)

1–5 **2nd Chaotic Modeling and Simulation International Conference (CHAOS2009)**, MAICH Conference Center, Chania, Crete, Greece. (Dec. 2008, p. 1449)

1–5 **Fifth Summer School in Analysis and Applied Mathematics**, Department of Mathematics, Sapienza, Università di Roma, Rome, Italy. (Feb. 2009, p. 309)

1–5 **Geometry & Topology at Muenster 2009**, University of Muenster, Muenster, Germany. (Jan. 2009, p. 71)

1–28 **Statistical Genomics**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Jan. 2009, p. 71)

3–5 **Conference on Character Theory of Finite Groups in honor of Martin Isaacs**, Universitat de Valencia, Spain. (Sept. 2008, p. 1031)

3–15 **Interactions Between Hyperbolic Geometry, Quantum Topology and Number Theory Workshop**, Columbia University, New York, New York. (Oct. 2008, p. 1134)

8–11 **25th Nordic and 1st British-Nordic Congress of Mathematicians**, University of Oslo, Oslo, Norway. (Jan. 2009, p. 71)

8–11 **MAMERN09: 3rd International Conference on Approximation Methods and Numerical Modeling in Environment and Natural Resources**, University of Pau, Pau, France. (Dec. 2008, p. 1449)

8–11 **The 2nd International Conference on Mathematical Modelling and Computation and The 5th East Asia SIAM Conference**, Universiti Brunei Darussalam, Bandar Seri Begawan, Brunei. (Feb. 2009, p. 309)

8–12 **Computational Methods and Function Theory 2009**, Bilkent University, Ankara, Turkey. (Jun./Jul. 2008, p. 742)

* 8–12 **Geometrie Algebrique en Liberte**, Lorents Center, Leiden, Netherlands.

Description: GAeL, Geometrie Algebrique en Liberte, is a conference organized by and for researchers in algebraic geometry at the beginning of their scientific career. The conference gives Ph.D. students and post-docs the opportunity to lecture, often for the first time, in front of an international audience. In addition, selected international experts deliver mini-courses on topics at the cutting-edge of important new developments in algebraic geometry.

Information: <http://www.lorentzcenter.nl/lc/web/2009/326/description.php?wsid=326>.

8–13 **Workshop on Disordered Systems: Spin Glasses**, Centre de recherches mathématiques, Université de Montréal, Montréal, Québec, Canada. (Jan. 2008, p. 78)

8–19 **Geometry and Arithmetic around Galois Theory**, Galatasaray University, Istanbul, Turkey. (Dec. 2008, p. 1449)

8–19 **Recent Developments in Dynamic Equations on Time Scales**, University of Wyoming, Laramie, Wyoming. (Jan. 2009, p. 71)

* 9–13 **International Conference on Nielsen Theory and Related Topics**, St. John's, Newfoundland, Canada.

Description: Nielsen theory is the part of topological fixed point theory that employs techniques of algebraic topology to determine lower bounds on the number of fixed points of all maps in a homotopy class. Related topics include coincidence and periodic point theories. Nielsen theory has close interactions with nonlinear analysis, dynamics and geometric group theory. This conference continues a series extend-

ing back 30 years in which researchers bring each other up to date on recent developments and establish working relationships for future research projects. This conference immediately follows the meeting of the Canadian Mathematical Society that will be held in St. John's.

Organizing Committee: Philip Heath (chair), Robert F. Brown, Evelyn Hart, Edward Keppelmann.

Information: email: keppelma@unr.edu.

11–13 **Representation Theory**, Institut de Recherche Mathématique Avancée, Université de Strasbourg, 7 rue René Descartes, Strasbourg, France. (Dec. 2008, p. 1449)

* 13–17 **Symposium on Biomathematics and Ecology Research and Education**, Izmir University of Economics, Izmir, Turkey.

Description: BERE-2009 aims to bring together mathematicians, statisticians and bio-scientists who apply mathematical modeling techniques in solving their biological or life-sciences problems. With this symposium we also aim to support the initiation of connections between university researchers and bio-sciences related institutes. In addition to plenary speakers, contributions from participants in parallel sessions will constitute the main part of the conference.

Information: <http://www.biomath.ilstu.edu/beres> or <http://dm.ieu.edu.tr/konferans/beres/>; email: oakman@ilstu.edu or unal.ufuktepe@ieu.edu.tr.

14–20 **47th International Symposium on Functional Equations**, Gargnano, Italy. (Dec. 2008, p. 1449)

14–27 **ESI workshop on large cardinals and descriptive set theory**, Esi, Vienna, Austria. (Oct. 2008, p. 1134)

15–18 **The 5th International Conference “Dynamical Systems and Applications”**, “Ovidius” University of Constantza, Constantza, Romania. (Nov. 2008, p. 1319)

15–18 **SIAM Conference on Mathematical & Computational Issues in the Geosciences**, Leipziger Kubus Conference Center, Helmholtz - Centre for Environmental Research - UFZ, Leipzig, Germany. (Dec. 2008, p. 1449)

15–19 **Conference on Harmonic Analysis, Geometric Measure Theory and Quasiconformal Mappings**, Barcelona, Spain. (Nov. 2008, p. 1319)

* 15–19 **The analytic theory of automorphic forms (at the 65th birthday of Roelof Bruggeman)**, Woudschoten, The Netherlands.

Preliminary list of speakers: E. M. Baruch, K. Bringmann, R. Bruggeman, G. Chinta, N. Diamantis, O. Imamoglu*, H. Iwaniec*, M. Kaneko, E. Kowalski, W. Li, A. Mellit, R. Miatello, Y. Motohashi*, A. Reznikov, M. Risager, P. Sarnak*, A. Venkatesh*, N. Wallach*, D. Zagier, S. Zwegers (*=to be announced).

Organizers: Frits Beukers, Gunther Cornelissen (Utrecht University, The Netherlands).

Location: Woudschoten is a beautiful estate in the forests near Utrecht in The Netherlands.

Information: <http://www.math.uu.nl/rb65.html>.

15–19 **Waves 2009: The 9th International Conference on Mathematical and Numerical Aspects of Waves Propagation**, Pau, France. (Jun./Jul. 2008, p. 742)

15–July 3 **Summer School and Conference in Geometric Representation Theory and Extended Affine Lie Algebras**, University of Ottawa, Ottawa, Ontario, Canada. (Feb. 2009, p. 309)

16–22 **Sixth International Workshop on Optimal Codes and Related Topics: OC 2009**, Varna, Bulgaria. (Feb. 2009, p. 309)

18–19 **2nd IMA International Conference on Mathematics in Sport**, University of Groningen, The Netherlands. (Oct. 2008, p. 1134)

* 19–22 **International Conference on Asymptotic Analysis and Infinite-dimensional Dynamical Systems**, City University of Hong Kong, Hong Kong, China.

Description: In recent years, there have been great advances and developments in asymptotics including the study of exponential asymptotics and the Riemann-Hilbert approach, and of localized reaction diffusion equation with metastable behavior. Meanwhile, there has also existed significant progress in the theory of infinite-dimensional dynamical systems with many new results being obtained and various new applications being found. Such a fast advancing feature requires

mathematicians in the related areas to update and refresh their knowledge and to keep good pace with the development. The purpose of this conference is to bring together top researchers in these two areas to expose their recent new results, to exchange their new ideas, to explore new methods and new applications, to discuss future directions of research, and to initiate possible research collaborations.

Information: <http://www6.cityu.edu.hk/rcms/ICAIDS2009/>.

21–27 **Eighth International Conference Symmetry in Nonlinear Mathematical Physics**, Institute of Mathematics, National Academy of Sciences of Ukraine, Kyiv (Kiev), Ukraine. (Nov. 2008, p. 1319)

21–27 **2nd Mile High Conference on Nonassociative Mathematics**, University of Denver, Denver, Colorado. (Jan. 2009, p. 72)

22–26 (NEW DATE) **5th Asian Mathematical Conference (AMC 2009)**, Penang /Kulalumpur, Malaysia. (Jun./Jul. 2008, p. 742)

22–26 **The 10th European Congress of Stereology and Image Analysis**, University of Milan, 20133 Milan, Italy. (Oct. 2008, p. 1135)

22–27 **3rd Nordic EWM Summer School for Ph.D. Students in Mathematics**, University of Turku, Turku, Finland. (Feb. 2009, p. 309)

22–27 **First Conference “Application of Mathematics in Technical and Natural Sciences” (AMiTaNS’09)**, Resort of Sozopol, Bulgaria. (Feb. 2009, p. 309)

22–July 3 **Automorphic forms and L-functions, computational aspects**, CRM, Montreal, Canada. (Feb. 2009, p. 309)

* 22–July 4 **Renormalization, graph polynomials, Hopf algebras and relations with motives (summer school). Algebraic geometry and algebra related to renormalization (workshop)**, CIMAT, Guanajuato, Mexico.

Description: The aim of the school is to familiarize participants with Feynman-graphs and renormalization theory; explain those parts of Hopf algebras relevant to physics; explain how periods of integrals can be understood from the perspective of Hodge theory; introduce motives and their connection with graph polynomials. It will be followed by a workshop where the specialists explain the recent state of the art.

Information: <http://www-fourier.ujf-grenoble.fr/~peters/CIMAT/CIMAT3.html>.

* 23–26 **The 9th Central European Conference on Cryptography (CECC09)**, Trebic, Czech Republic.

Description: The conference CECC09 is the next in the series of Central European Conferences on Cryptography, a series which has become a traditional meeting of people interested in all areas of cryptography. The CECC series is organized every year since the year 2000 in one of the Central European countries — Austria, Czech Republic, Hungary, Slovak Republic, and Poland. The aim of the conference is to bring together researchers in all aspects of foundations of cryptography, and related areas, theoretical or applied (e.g., encryption schemes, signature schemes, general cryptographic protocols, design of cryptographic systems, key management, computational difficulty, one-way functions, zero-knowledge proofs, pseudorandomness, information assurance, security in information systems, coding theory etc.).

Information: <http://conf.fme.vutbr.cz/cecc09/>.

23–26 **The 33rd Summer Symposium in Real Analysis**, Southeastern Oklahoma State University, Durant, Oklahoma. (Jan. 2009, p. 72)

25–27 **Current Geometry: The X Edition of the International Conference on Problems and Trends of Contemporary Geometry**, Palazzo Serra di Cassano, Via Monte di Dio, 80132 Naples, Italy. (Feb. 2009, p. 309)

* 28–July 2 **20th International Workshop on Combinatorial Algorithms**, Novy Hradec, Czech Republic.

Topics: Algorithms and Data Structures, Applications, Combinatorial Enumeration, Combinatorial Optimization, Complexity Theory, Computational Biology, Databases, Decompositions and Combinatorial Designs, Discrete and Computational Geometry, Graph Theory and Combinatorics.

Information: <http://graphs.vsb.cz/iwoca2009/>.

* 28–July 4 **XXVIII Workshop on Geometric Methods in Physics**, Bialowieza, Poland (Organized by the University of Bialystok).

A short description: It is an annual international conference organized by the Department of Mathematical Physics of the University of Bialystok since 1981, and takes place in the heart of the Bialowieza forest, one of the largest remaining parts of the primeval forest in Europe. The program consists of invited plenary lectures, often of a review nature, and more specialized shorter talks.

Plenary speakers: Daniel Beltita (Bucharest) Pierre Beliaevsky (Louvain), Victor Buchstaber (Moscow/Manchester), Alberto Cattaneo (Zurich), Boris Dubrovin (Trieste), Christian Duval (Marseille), Vladimir Fock (Aarhus), Franco Magri (Milano), Giuseppe Marmo (Napoli), Jouko Michelsson (Stockholm), Alexander Odesski (St. Catharines, Ontario), Vasilisa Shramchenko (Sherbrooke), Sergei Tabachnikov (Pennsylvania).

Organizers: A. Odziejewicz, chairman; T. Golinski, secretary; S. T. Ali (Montreal); A. Dobrogowska, P. Kielanowski (Bialystok/Mexico City), M. Schlichenmaier (Luxembourg), A. Tereszkiewicz, Th. Voronov (Manchester).

Information: <http://wgmp.uwb.edu.pl/index.html>. Contact person: Dr Theodore Voronov, email: theodore.voronov@manchester.ac.uk.

28–July 18 **IAS/Park City Mathematics Institute (PCMI) 2009 Summer Session: Arithmetic of L-functions**, Park City, Utah. (Sept. 2008, p. 1032)

28–July 25 **UA VIGRE: Arizona Summer Program 2009**, University of Arizona, Tucson, Arizona. (Jan. 2009, p. 72)

29–July 1 **1st Rapid Modelling Conference**, Neuchâtel, Switzerland. (Dec. 2008, p. 1450)

July 2009

1–3 **International Conference of Applied and Engineering Mathematics 2009**, Imperial College London, London, United Kingdom. (Oct. 2008, p. 1135)

1–August 31 **Mathematical Theory and Numerical Methods for Computational Materials Simulation and Design**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Jan. 2009, p. 72)

5–10 **22nd British Combinatorial Conference**, University of St. Andrews, Fife, Scotland. (Dec. 2008, p. 1450)

6–8 **SIAM Conference on Control and Its Applications**, Sheraton Denver Hotel, Denver, Colorado. (Dec. 2008, p. 1450)

6–10 **2009 SIAM Annual Meeting (AN09)**, Sheraton Denver Hotel, Denver, Colorado. (Feb. 2009, p. 309)

6–10 **26th Journées Arithmétiques**, Université de Saint-Etienne, Saint-Etienne, France. (Jun./Jul. 2008, p. 742)

6–10 **First PRIMA Pacific Rim Congress of Mathematicians**, University of New South Wales, Sydney, Australia. (Jun./Jul. 2008, p. 742)

6–10 **Journées de Géométrie Arithmétique de Rennes**, Institut de Recherche Mathématique de Rennes, Université de Rennes 1, Rennes, France. (Sept. 2008, p. 1032)

* 6–10 **Workshop on equivariant Gromov-Witten theory and symplectic vortices**, CIRM, Luminy, France.

Description: The focus of the workshop will be on the development of equivariant Gromov-Witten theory, including the study of moduli spaces of maps to quotient stacks by reductive groups, and from the symplectic point of view, moduli spaces of symplectic vortices. The workshop is organized around this specific direction, with an aim to bring together researchers in algebraic and symplectic geometry who have had no previous interaction. On the other hand, the workshop will promote discussion of the interaction of holomorphic maps, gauge theory, and group actions more broadly.

Information: <http://www.math.rutgers.edu/~ctw/Luminy/index.html>.

6–11 **Conference on Algebraic Topology CAT’09**, University of Warsaw, Warsaw, Poland. (Jan. 2009, p. 72)

6–11 **International Conference on Semigroups and Related Topics**, Faculty of Sciences of the University of Porto, Porto, Portugal. (Nov. 2008, p. 1319)

*6–11 **International Conference on Topology and its Applications, ICTA 2009**, Hacettepe University, Ankara, Turkey.

Description: The aim of this conference is to bring together experts and young researchers in the field of topology from Turkey and abroad.

Topics: Asymmetric topology, symmetric topology, point-free, constructive or categorical aspects, topology on lattices and applications.

Information: <http://www.icta.hacettepe.edu.tr>.

*9–13 **The 3rd International Workshop on Matrix Analysis and Applications**, Hangzhou (Lin'An), China.

Description: To be held at Hangzhou (Lin'An) under the auspices of Zhejiang Forestry University, Zhejiang Province, China. The purpose of this conference is to stimulate research, providing an opportunity for researchers to present their newest results and to meet for informal discussions. The previous meetings of the workshop series have taken place in Beijing (China) and Fort Lauderdale (USA). The <http://www.math.technion.ac.il/iic/ela/index.html> Electronic Journal of Linear Algebra (ELA) will devote a special issue to the conference, and abstracts of the talks will be published by World Academic Press.

Keynote Speaker: Chi-Kwong Li, Ferguson Professor of Mathematics at The College of William and Mary, USA.

Sponsor: This meeting is sponsored by the National Natural Science Foundation of China and Zhejiang Forestry University, and is endorsed by the International Linear Algebra Society (ILAS).

Organizers: Chairs of the organizing committee are Changqing Xu (Zhejiang Forestry University, China, cqxurichard@163.com); Guanghui Xu (Zhejiang Forestry University, China) and Fuzhen Zhang (Nova Southeastern University, Ft Lauderdale, USA, zhang@nova.edu).

Information: For more information and updates, visit <http://www.nova.edu/~zhang/09MatrixWorkshop.html>.

13–16 **MULTICONF-09**, Orlando, Florida. (Jan. 2009, p. 72)

13–17 **9th International Conference on Finite Fields and Applications**, University College Dublin, Dublin, Ireland. (Jun./Jul. 2008, p. 742)

13–17 **Permutation Patterns 2009**, Dipartimento di Sistemi e Informatica, Università di Firenze, Firenze, Italy. (Jan. 2009, p. 72)

13–18 **7th International ISAAC Congress**, Imperial College, London, United Kingdom. (Jan. 2009, p. 72)

14–24 **The 19th International Conference on Banach algebras**, Beledewo, Poland. (Oct. 2008, p. 1135)

16–31 **XII Diffiety School — on Geometry of Partial differential Equations and Secondary Calculus**, Santo Stefano del Sole, Avellino, Italy. (Feb. 2009, p. 309)

20–24 **21st International Conference on Formal Power Series & Algebraic Combinatorics**, Research Institute for Symbolic Computation, Hagenberg, Austria. (Dec. 2008, p. 1450)

20–24 **AIP (Applied Inverse Problems)**, Vienna, Austria. (Nov. 2008, p. 1319)

20–24 **Equadiff 12**, Brno, Czech Republic. (Aug. 2008, p. 872)

20–31 **2009 ESSLII Student Session**, Bordeaux, France. (Jan. 2009, p. 72)

20–December 18 **Non-Abelian Fundamental Groups in Arithmetic Geometry**, Isaac Newton Institute for Mathematical Sciences, Cambridge, England. (Aug. 2008, p. 872)

27–30 **The Society for Mathematical Biology Annual Meeting**, University of British Columbia, Vancouver, Canada. (Nov. 2008, p. 1319)

27–31 **33rd Conference on Stochastic Processes and their Applications**, Berlin, Germany. (May 2008, p. 636)

29–July 24 **The Cardiac Physiome Project**, Isaac Newton Institute for Mathematical Sciences, Cambridge, England. (Aug. 2008, p. 872)

31–August 2 **3rd Jairo Charris Seminar—Symmetries of differential and difference equations**, Universidad Sergio Arboleda, Bogotá, Colombia. (Feb. 2009, p. 310)

August 2009

*3–5 **SNC2009: The 3rd International Workshop on Symbolic-Numeric Computation**, Hotel “CO-OP INN Kyoto”, Kyoto, Japan.

Description: The program of SNC 2009 will include invited presentations, contributed research papers, and posters.

Topics: Specific topics include, but are not limited to: Hybrid symbolic-numeric algorithms, approximate polynomial GCD and factorization, symbolic-numeric methods for solving polynomial systems, resultants and structured matrices for symbolic-numeric computation, differential equations for symbolic-numeric computation, symbolic-numeric methods for geometric computation, symbolic-numeric algorithms in algebraic geometry, symbolic-numeric algorithms for nonlinear optimization, numeric computation of characteristic sets and Groebner bases, implementation of symbolic-numeric algorithms, approximate algebraic algorithms, applications of symbolic-numeric computation.

Information: <http://www.snc2009.cs.ehime-u.jp>.

3–8 **XVI International Congress on Mathematical Physics (ICMP09)**, Clarion Congress Hotel Prague, Prague, Czech Republic. (Jan. 2009, p. 73)

3–14 **Pan-American Advanced Studies Institute (PASI): In Commutative Algebra and its connections to Geometry**, Olinda, Brazil. (Feb. 2009, p. 310)

10–12 **Continuing Statistics Education Workshop**, Statistics Online Computational Resource (SOCR), University of California, Los Angeles, California. (Dec. 2008, p. 1450)

10–12 **Workshop on Technology-Enhanced Probability and Statistics Education Using SOCR Resources**, Statistics Online Computational Resource (SOCR), University of California, Los Angeles, California. (Dec. 2008, p. 1451)

10–14 **Topological complexity of random sets**, American Institute of Mathematics, Palo Alto, California. (Jan. 2009, p. 73)

12–14 **18th USENIX Security Symposium**, Le Centre Sheraton Hotel Montreal, 1201 Boulevard Rene-Levesque, West Montreal, Quebec H3B 2L7 Canada. (Jan. 2009, p. 73)

12–December 18 **Dynamics of Discs and Planets**, Isaac Newton Institute for Mathematical Sciences, Cambridge, England. (Aug. 2008, p. 872)

17 **Symplectic and Contact Geometry and Topology**, Mathematical Sciences Research Institute, Berkeley, California. (Sept. 2008, p. 1033)

17–21 **International Conference on Complex Analysis and Related Topics**, University of Turku, Turku, Finland. (Feb. 2009, p. 310)

17–21 **Modular forms on noncongruence groups**, American Institute of Mathematics, Palo Alto, California. (Aug. 2008, p. 872)

17–December 18 **Tropical Geometry**, Mathematical Sciences Research Institute, Berkeley, California. (Sept. 2008, p. 1033)

24–28 **Relative trace formula and periods of automorphic forms**, American Institute of Mathematics, Palo Alto, California. (Sept. 2008, p. 1033)

27–29 **Ukrainian Mathematical Congress 2009 (Dedicated to the Centennial of Nikolai N. Bogoliubov)**, Institute of Mathematics of NASU, Kiev (Kyiv), Ukraine. (Jan. 2009, p. 73)

30–September 4 **Algebraic Groups and Invariant Theory**, Centro Stefano Franscini, Ascona, Switzerland. (Jan. 2009, p. 73)

September 2009

2–4 **Workshop in nonlinear elliptic PDEs**, Université Libre de Bruxelles, Brussels, Belgium. (Feb. 2009, p. 310)

4–9 **2nd Dolomites Workshop on Constructive Approximation and Applications (DWCAA09)**, Alba di Canazei, Trento, Italy. (Jan. 2009, p. 73)

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. (Jan. 2009, p. 73)

9-16 **Combinatorics: Methods and Applications in Mathematics and Computer Science, Tutorials**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Jan. 2009, p. 73)

10-12 **Quantum topology and Chern-Simons theory**, Institut de Recherche Mathématique Avancée, Université de Strasbourg, 7 rue René Descartes, Strasbourg, France. (Jan. 2009, p. 73)

11-17 (NEW DATE) **Models in Developing Mathematics Education**, Dresden University of Applied Sciences, Dresden, Germany. (Apr. 2007, p. 498)

15-18 **Bogolyubov Kyiv Conference: "Modern Problems of Theoretical and Mathematical Physics"**, Bogolyubov Institute for Theoretical Physics, Kyiv, Ukraine. (Nov. 2008, p. 1319)

October 2009

5-8 **2009 SIAM/ACM Joint Conference on Geometric Design and Solid & Physical Modeling**, Hilton San Francisco Financial District, San Francisco, California. (Dec. 2008, p. 1451)

5-9 **Combinatorics: Probabilistic Techniques and Applications**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Dec. 2008, p. 1451)

9-11 **SIAM Conference on Mathematics for Industry: Challenges and Frontiers (MI09)**, Hilton San Francisco Financial District, San Francisco, California. (Feb. 2009, p. 310)

12-16 **Algebra, Geometry, and Mathematical Physics**, The Bedlewo Mathematical Research and Conference Center, Bedlewo, Poland. (Dec. 2008, p. 1451)

14-16 **The 9th Conference Shell Structures Theory and Applications**, Neptun Hotel, Hel Peninsula, Baltic Sea, Jurata, Poland. (Dec. 2008, p. 1451)

16-18 **AMS Central Section Meeting**, Baylor University, Waco, Texas. (Aug. 2008, p. 872)

19-23 **Combinatorics: Combinatorial Geometry**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Dec. 2008, p. 1451)

19-23 **Higher Reidemeister Torsion**, American Institute of Mathematics, Palo Alto, California. (Dec. 2008, p. 1451)

* 20-22 **International Conference in Modeling Health Advances 2009**, UC Berkeley, San Francisco Bay Area, California.

Description: A host of new diseases, like HIV/AIDS, BSE, Avian Flu, West Nile Virus and others have appeared on the scene during the last twenty-five years and undoubtedly, more will come in the coming years. To tackle these illnesses, the cooperation of modelers, mathematicians, statisticians, computer scientists, and others, and of researchers from the medical community is absolutely essential. Modeling is important because it gives important insight into the method of treatment. In the case of HIV/AIDS, for example, mathematical modeling indicated that a combination of both protease inhibitors and reverse transcriptase inhibitors would be far more effective than any one of these two drugs. The purpose of this conference is to bring all the people working in the area of epidemiology under one roof and encourage mutual interaction.

Information: <http://www.iaeng.org/WCECS2009/ICMHA2009.html>; email: publication@iaeng.org.

24-25 **AMS Eastern Section Meeting**, Pennsylvania State University, University Park, Pennsylvania. (Aug. 2008, p. 872)

30-November 1 **AMS Southeastern Section Meeting**, Florida Atlantic University, Boca Raton, Florida. (Aug. 2008, p. 872)

November 2009

* 1-6 **23rd Large Installation System Administration Conference (LISA '09)**, Baltimore Marriott Waterfront, 700 Aliceanna Street, Baltimore, Maryland.

Description: Over 1,000 system administrators of all specialties and levels of expertise meet at LISA to exchange ideas, sharpen old skills, learn new techniques, debate current issues, and meet colleagues, vendors, and friends. Talks, presentations, posters, WiPs, and BoFs address a wide range of administration specialties, including system,

network, storage, and security administration on a variety of platforms including Linux, BSD, Solaris, and OS X.

Information: <http://usenix.org/events/lisa09/>.

1-December 31 **Financial Mathematics**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Jan. 2009, p. 73)

2-6 **Combinatorics: Topics in Graphs and Hypergraphs**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Jan. 2009, p. 74)

7-8 **AMS Western Section Meeting**, University of California, Riverside, California. (Aug. 2008, p. 872)

16-20 **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)

29-December 4 **Southern Right Delta ($\Sigma\Delta$ '09) Conference on the Teaching and Learning of Undergraduate Mathematics and Statistics**, Gordon's Bay, Western Cape, South Africa. (Feb. 2009, p. 310)

December 2009

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

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

July 2010

* 26-August 6 **Winter School on Topics in Noncommutative Geometry**, Departamento de Matematica, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina.

Description: The school will cover different topics in non-commutative geometry and its connections with other areas of mathematics and physics, such as operator index theory, strings, representations, operator algebras, and K-Theory. As of December 2008, the following people have agreed in principle to come and give a course: Henrique Bursztyn, Joachim Cuntz, Pavel Etingof, Victor Ginzburg, Victor Kac, Max Karoubi, Henri Moscovici, Holger Reich, Nicolai Reshetikhin, Marc Rieffel, Jonathan Rosenberg, Georges Skandalis, Boris Tsygan.

Organizers: G. Cortiñas, M. Farinati, J. A. Guccione, J. J. Guccione, M. Graña.

Scientific Committee: G. Cortiñas, J. Cuntz, B. Tsygan.

Information: <http://cms.dm.uba.ar/Members/gcorti/workgroup.GNC/3EILS>.