
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/>.

May 2008

* 2–5 **The 46th Cornell Topology Festival**, Cornell University, Ithaca, New York.

Description: This year's festival includes a concentration of talks in symplectic topology and geometry. There will be two introductory workshops and a panel discussion.

Information: Financial support is available. Young researchers are especially encouraged to apply. For registration and further details see the festival web page: <http://www.math.cornell.edu/~festival/>; email: dls37@cornell.edu;

* 5–14 **The Sixth Annual Spring Institute on Noncommutative Geometry and Operator Algebras**, Vanderbilt University, Nashville, Tennessee.

Description: The Sixth Annual Spring Institute on Noncommutative Geometry and Operator Algebras is a spring school and international conference. Several mini-courses on a variety of topics from noncommutative geometry, operator algebras and related areas will be given by leading experts.

Topic: The topic of this year's conference/school is KK-Theory of Operator Algebras and Noncommutative Geometry. Students and postdocs are especially encouraged to attend. Mini-courses by: Alain Connes, Nigel Higson, Ralf Meyer, Mikael Rordam, Georges Skandalis and other. Organizers: Dietmar Bisch, Alain Connes (Director of the Sixth Annual Spring Institute), Bruce Hughes, Gennadi Kasparov and Guoliang Yu (all at Vanderbilt University).

Information: dietmar.bisch@vanderbilt.edu; <http://www.math.vanderbilt.edu/~ncgoa08/>.

* 8–10 **International Conference on Inverse Scattering Problems Honoring David Colton and Rainer Kress**, Sestri Levante, Genova, Italy.

Description: The organization of this conference is in recognition of the international leadership and outstanding scientific achievements of David Colton and Rainer Kress in the area of inverse scattering problems. This event is open to participants interested in inverse scattering problems and applications.

Information: email: cakoni@math.udel.edu; <http://www-rocq.inria.fr/~haddar/ckconf/>.

* 19–23 **6th Seminar on Stochastic Analysis, Random Fields and Applications**, Centro Stefano Franscini, Ascona, Switzerland.

Topics: Stochastics and climatology; stochastic partial differential equations; random fields; stochastic analysis and finance; energy, climate and finance.

Among the speakers: R. Carmona (Princeton), J. Duan (Illinois), D. Filipovic (Munich), H. Geman (ESSEC and London), P. Imkeller (Berlin), A. Kyprianou (Bath), A. J. Majda (New York), B. Maslowski (Prague), J. C. Mattingly (Duke), S. Sircar (Princeton), A. N. Shiryaev (Moscow), A. Stuart (Warwick), J. Wörner (Göttingen), Y. Xiao (Michigan).

Information: email: dozzi@iecn.u-nancy.fr; <http://www.math.univ-paris13.fr/~russo/ASCONA08/Ascona08.html>.

* 21–24 **Sixth Annual Workshop on Combinatorial and Additive Number Theory (CANT 2008)**, CUNY Graduate Center, 365 Fifth Avenue, New York, New York

Description: This is the sixth in a series of annual workshops

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

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

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

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

sponsored by the New York Number Theory Seminar on problems in combinatorial and additive number theory and related parts of mathematics. Program information will be posted on the conference website: <http://www.NewYorkNumberTheory.com>. Mathematicians who wish to speak at the meeting should submit a title and abstract by email to: melvyn.nathanson@lehman.cuny.edu. It is expected that there will be some financial support, especially for graduate students and young faculty. For more information please contact melvyn.nathanson@lehman.cuny.edu.

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

*26–31 **Stochastic Phenomena**, Babes-Bolyai University, Cluj-Napoca, Romania.

Description: The Second Transylvanian Summer School and Workshop proposes to offer a discussion and meeting platform for researchers from various fields of sciences interested in the complex interdisciplinary field of stochastic phenomena. We are expecting scientists and students from the fields of mathematics, physics, informatics, biology, chemistry, electric engineering, sociology, geography and economics, working in problems that would fit the general theme of the conference.

Information: email: zneda@phys.ubbcluj.ro; <http://summerschools.ro>.

June 2008

*8–14 **Reconnect Conference 2008**, DyDAn Center, Rutgers University, Piscataway, New Jersey.

Description: About the Reconnect Conference: The DyDAn Summer Reconnect Conferences will expose faculty teaching undergraduates to the role of the mathematical sciences in homeland security by introducing them to a current research topic that will be relevant for classroom presentation. The conferences also offer researchers in government or industry the opportunity to learn about recent techniques in emerging application areas relevant to homeland security. Topics will be presented in a week-long series of lectures and activities led by an expert in the field. Participants will be involved in both research activities and in writing materials useful in the classroom or to share with their colleagues, with the possibility of ultimately preparing these materials for publication in either our Technical Report or our Educational Modules Series.

Speaker: Nina Fefferman, Rutgers University, fefferman@Math.Princeton.EDU.

Organizer: Fred S. Roberts, Rutgers University (froberts@dimacs.rutgers.edu).

Registration Fees: Academic participants: Lodging and meals will be provided through DHS funding. Limited funds are expected to be available for travel awards. There are no registration fees. Applicants from government and for-profit corporations are asked to provide their own travel and lodging, plus registration fees* (that cover all meals from Sunday dinner to Saturday lunch) as follows:

◦ Government Lab participants: \$350. ◦ Corporate participants: \$500.

* Funds may be available to waive part or all of the registration fee and/or partially support travel and lodging. Who May Apply? Anyone may apply.

Application Deadline: Extended to March 3, 2008.

Information: <http://dydan.rutgers.edu/Education/reconnect/2008/>. Or, contact the Reconnect Program Coordinator, at reconnect@dimacs.rutgers.edu; tel: (732) 445-4304.

*9–13 **Educational Week on Noncommutative Integration**, Leiden University, Leiden, Netherlands.

Description: During this educational week the main lecturers Fyodor Sukochev (Flinders University, Adelaide) and Ben de Pagter (TU Delft) will cover several aspects of noncommutative integration associated with von Neumann algebras, as well as some applications of this theory. The intended audience consists of advanced master

students, Ph.D.-students, postdocs and other people interested in this field.

Participation and Funding: Participation is free. We are trying to obtain funds for limited travel support for participants from outside the Netherlands.

Information: email: mdejeu@math.leidenuniv.nl; http://www.math.leidenuniv.nl/~mdejeu/NoncomIntWeek_2008.

*9–20 **Symmetry and Integrability of Difference Equations**, Université de Montréal, Québec, Canada.

Description: The field of symmetries and integrability of difference equations is a very dynamical one in which great progress has been made over the last 15 years or so. The key methods that have been developed in this area are based either on the inverse spectral approach or on the application of geometric and group theoretical techniques.

Topics: Specifically the topics to be covered are the following: (1) Discrete integrable and isomonodromic systems; (2) Discrete Painlevé equations; (3) Singularity confinement, algebraic entropy and Nevanlinna theory; (4) Discrete differential geometry; (5) Special functions as solutions of difference or q-difference equations; (6) Integrability, symmetry and numerical methods; (7) Lie symmetries of difference systems; (8) Integrable chains. The most relevant applications of this field of scientific activity are to coding theory, image reconstruction and processing and visual tracking, starting from discrete and usually sparse data.

Information: email: Benhima@crm.umontreal.ca; <http://www.dms.umontreal.ca/~sms/>.

*14–28 **International Summer School on Modelling and Optimization in Micro- and Nano-Electronics - MOMINE'08**, Conference Centre Baia Samuele, Ragusa, Sicily, Italy.

Description: Modelling week: Advanced Modelling Methods for the Design of Electronic Circuits and Devices, June 14–21, 2008. Optimization Week: Advanced Optimization Methods and Algorithms for the Design of Electronic Circuits and Devices June 21–28, 2008. There will be several seminars complementing the topics treated in the course.

Deadline for Early Registration: March 31, 2008.

Information: For any questions please send email to momine08@dmi.unict.it; <http://www.dmi.unict.it/~momine08/>.

*15–22 **ESF-MSHE-PAN Conference on Operator Theory, Analysis and Mathematical Physics**, Mathematical Research and Conference Center, Bédlewo, Poland.

Description: First Call for Applications: ESF Conference, in partnership with MSHE and the Institute of Mathematics on operator theory, analysis and mathematical physics.

Scope: Random and quasi-periodic differential operators, orthogonal polynomials, Jacobi and CMV matrices, and quantum graphs. In particular spectral properties of operators from various domains of mathematical physics.

Chairs: Jan Janas, Polish Academy of Sciences; Pavel Kurasov, Lund Institute of Technology; Ari Laptev, Royal Institute of Technology; Serguei Naboko, St. Petersburg State University.

Deadline: Closing date for applications and abstract submission: March 30, 2008.

Information: Application: Scientific programme and application form are accessible on-line through <http://www.esf.org/conferences/08279>. For further information contact: Anne Blondeel-Oman (ablondeel@esf.org).

*16–20 **15th Conference of the International Linear Algebra Society**, Westin Resort and Spa, Cancun, Mexico.

Description: The conference deals with all themes related to Linear Algebra; theory, applications, numerical aspects, and education. The program includes 14 plenary talks, 8 mini-symposia, and contributed talks. The conference proceedings will appear as a special issue of Linear Algebra and its Applications.

Information: email: verde@star.izt.uam.mx; <http://star.izt.uam.mx/ILAS08>.

* **23–27 Differential Equations and Applications to Mathematical Biology**, Le Havre, France.

Goal: The goal of this meeting is to bring together international experts working either on theoretical aspects of differential equations or on applications to mathematical biology.

Scientific Committee: Henri Berestycki (EHESS, France), Shui-Nee Chow (Georgia Tech, USA), Norman Dancer (University of Sydney, Australia), Karl Hadeler (University of Tuebingen, Germany), Vitaly Volpert (University of Lyon 1, France), Hans-Otto Walther (University of Giessen, Germany).

Plenary Speakers: Danielle Hilhorst, University of Orsay, France; Kening Lu, Brigham Young University, USA; Peter Polacik, University of Minnesota, USA; Genevieve Raugel, University of Orsay, France; Yasuhiro Takeuchi, Shizuoka University, Japan; Glenn Webb, Vanderbilt University, USA; Gail Wolkowicz, McMaster University, Canada; Jianhong Wu, York University, Canada; Dongmei Xiao, Shanghai Jiaotong University, China; Yingfei Yi, Georgia Tech, USA.

Organizing Committee: Pierre Magal, pierre.magal@univ-ehavre.fr; Shigui Ruan, ruan@math.miami.edu; Huaiping Zhu, huaiping@mathstat.yorku.ca.

Information: Further information about the conference can be found at <http://litis.univ-lehavre.fr/MathBioConf/>.

* **24–26 Current Geometry, the IX Edition of the International Conference on problems and trends of contemporary geometry**, Hotel Oriente, Via Luigi Serio 10, 80069 Vico Equense, Naples, Italy.

Description: The power of synthesis of Geometry, which led in the past to the formulation of “grand unification theories”, has got an essential role nowadays, especially because of the growing fragmentation of knowledge due to scientific progress. In order to avoid too a big dispersion, geometers need a constant dialogue. Therefore, a stable experience of personal meetings, apart from telematic interchanges, cannot be renounced. Current Geometry was born to allow a periodic update about actual progresses in Geometry (and its applications) on the international scene.

Information: email: cdiopietr@unisa.it; <http://school.diffiety.org/page82/page82.html>.

* **30–July 5 International Conference in Algebraic Geometry**, IMAR Bucharest, Romania.

Invited Speakers: I. Bauer (Bayreuth), L. Badescu (Genova), A. Caldararu (Madison-Wisconsin), F. Catanese (Bayreuth), C. Ciliberto (Rome), A. Dimca (Nice), J.-M. Drezet (Paris), G. Farkas (Berlin), H. Flenner (Bochum), K. Hulek (Hannover), H. Lange (Erlangen), A. Lanteri (Milan), M. Lehn (Mainz), L. Maxim (New York), M. Mella (Ferrara), M. Mustata (Ann Arbor), G. Ottaviani (Florence), S. Papadima (Bucharest), G. Pareschi (Rome), M. Popa (Chicago), K. Ranestad (Oslo), F. Russo (Recife-Pernambuco), F.-O. Schreyer (Saarbruecken), G. Trautmann (Kaiserslautern), C. Voisin (Paris).

Organizing Committee: C. Anghel (IMAR), M. Aprodu (IMAR), V. Brinzanescu (IMAR), N. Manolache (IMAR).

Information: email: Marian.Aprodu@imar.ro; <http://www.imar.ro/%7Eaprodu/ag2008/ag2008.html>.

July 2008

* **7–10 International Conference on Artificial Intelligence and Pattern Recognition (AIPR-08)**, Orlando, Florida.

Description: We invite draft paper submissions.

Deadline: The deadline for submissions: February 19, 2008.

Information: The conference will be held at the same time and place where several other major events are taking place. The website contains more details: <http://www.promoterresearch.org/>; email: jeedward@gmail.com.

* **7–10 International Conference on Automation, Robotics and Control Systems (ARCS-08)**, Orlando, Florida.

Description: We invite draft paper submissions.

Deadline: The deadline for submissions: February 19, 2008.

Information: The conference will be held at the same time and place where several other major events are taking place. The website contains more details: <http://www.promoterresearch.org/>; email: jeedward@gmail.com.

* **7–10 International Conference on Bioinformatics, Computational Biology, Genomics and Chemoinformatics (BCBGC-08)**, Orlando, Florida.

Description: We invite draft paper submissions.

Deadline: The deadline for submissions: February 19, 2008.

Information: The conference will be held at the same time and place where several other major events are taking place. The website contains more details: <http://www.promoterresearch.org/>; email: jeedward@gmail.com.

* **7–10 International Conference on Enterprise Information Systems and Web Technologies (EISWT-08)**, Orlando, Florida.

Description: We invite draft paper submissions.

Deadline: The deadline for submissions: February 19, 2008.

Information: The conference will be held at the same time and place where several other major events are taking place. The website contains more details: <http://www.promoterresearch.org/>; email: jeedward@gmail.com.

* **7–10 International Conference on High Performance Computing, Networking and Communication Systems (HPCNCS-08)**, Orlando, Florida.

Description: We invite draft paper submissions.

Deadline: The deadline for submissions: February 19, 2008.

Information: The conference will be held at the same time and place where several other major events are taking place. The website contains more details: <http://www.promoterresearch.org/>; email: jeedward@gmail.com.

* **7–10 International Conference on Software Engineering Theory and Practice (SETP-08)**, Orlando, Florida.

Description: We invite draft paper submissions.

Deadline: The deadline for submissions: February 19, 2008.

Information: The conference will be held at the same time and place where several other major events are taking place. The website contains more details: <http://www.promoterresearch.org/>; email: jeedward@gmail.com.

* **7–10 International Conference on Theoretical and Mathematical Foundations of Computer Science (TMFCS-08)**, Orlando, Florida.

Description: We invite draft paper submissions.

Deadline: The deadline for submissions: February 19, 2008.

Information: The conference will be held at the same time and place where several other major events are taking place. The website contains more details: <http://www.promoterresearch.org/>; email: jeedward@gmail.com.

* **7–10 The Tenth International Conference on Integral Methods in Science and Engineering**, University of Cantabria, Santander, Spain.

Description: The IMSE conferences offer opportunities to scientists from around the world to present their most recent work and exchange ideas on a powerful class of methodologies extensively used for solving mathematical models of physical phenomena and processes. Participation is open to all scientists and engineers whose work makes use of analytic and numerical methods, integral equations, ordinary and partial differential equations, asymptotic and perturbation methods, boundary integral techniques, conservation laws, hybrid approaches, vortex methods, signal processing and image analysis.

Aim: To promote new research tools and procedures that help link mathematics, applied sciences and technology. As the tenth in a successful series of conferences, IMSE2008 will provide an

international forum for communicating recent advances and an opportunity for direct information exchange between delegates from both academia and industry.

Information: email: meperez@unican.es; <http://www.imse08.unican.es>.

*7-11 **International Conference on Vertex Operator Algebras and Related Areas on the occasion of Geoffrey Mason 60th's Birthday**, Department of Mathematics, Illinois State University, Normal, Illinois.

Aim: To present some of the new developments in vertex operator algebras and related areas. The main aspects of this conference are connections and interactions of vertex operator algebras with physics, Hopf algebras, Infinite dimensional Lie algebras, group theory and number theory. A major part of the conference will focus on bringing leaders in the fields together with students, postdoctoral fellows and young academics in a stimulating, engaging and mentoring environment. This conference will provide opportunities for mathematicians and physicists in the areas to discuss the recent developments in the fields and the direction of future research. Graduate students and young researchers will gain better perspectives of what is going on and what the important problems are in these areas.

Organizers: Gaywalee Yamskulna(ISU), Maarten Bergvelt (UIUC), Wenhua Zhao (ISU).

Deadline: June 1, 2008.

Information: <http://www.math.ilstu.edu/voa>.

*10-11 **Symposium in honor of Kiyosi Itô: Stochastic Analysis and Its impact in Mathematics and Science**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Description: The objective of the symposium is to gather together leading mathematicians and scientists to deliver expository lectures on Itô's work and the historical development of stochastic analysis, and their influence and impact in various branches of mathematics and science. It will be aimed at specialists as well as mathematicians and scientists in general.

Organizers: Jointly organized with Research Institute for Mathematical Sciences, Kyoto.

Organizing Committee: Co-Chairs Hans Föllmer (Humboldt-University of Berlin), Masatoshi Fukushima (Osaka University); Members Edwin Perkins (University of British Columbia), Yoichiro Takahashi (Research Institute for Mathematical Sciences, Kyoto).

Partial List of Invited Speakers: Alain Bensoussan, University of Texas at Dallas; Donald Dawson, Carleton University; Masatoshi Fukushima, Osaka University; Shigeo Kusuoka, University of Tokyo; Pierre-Louis Lions, Collège de France; Terry Lyons, University of Oxford; Shinzo Watanabe, Kyoto University; Marc Yor, Université Paris VI.

Information: email: imscec@nus.edu.sg; <http://www.ims.nus.edu.sg/Programs/kiyosi08/index.htm>.

*17-August 1 **XI Edition of the Italian Diffiety School**, Santo Stefano del Sole (Avellino), Italy.

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

Information: <http://school.diffiety.org/page3/page0/page64/page64.html>; email: cdipietr@unisa.it.

*18-20 **International Conference on Power Control and Optimization**, Chiang Mai Plaza Hotel, 92 Sridonchai Road, Chiang Mai 50100, Thailand.

Description: It is our great pleasure to announce the first event of the International Conference on Power Control and Optimization (PCO-08) organized by Department of Electrical Engineering, Chiang Mai University, Thailand and Curtin University of Technology, Malaysia. The vision of PCO-08 is to bring today's highly inspiring and precision innovative research and resource development for tomorrow's industry in power and control. It has the mission to highlight innovative research and development of academics and industrial experts in the area of power control and its optimization techniques, and to provide a forum to disseminate the results to all industrial sectors in power quality, automation, business, finance, economics and management. The main objective of PCO-08 is to provide a platform for researchers, engineers, practitioners and academicians as well as industrial professionals to present their research results and development activities.

Information: Contacts: Nader Barsoum and Pandian M. Vasant; email: icpco.20@gmail.com and mnb3@hotmail.com; tel: 601 6354154 & 6085443821. For further information, please visit: <http://www.engedu2.net>; email: vasantglobal@gmail.com;

*21-23 **19th Postgraduate Combinatorial Conference**, Centre for Discrete Mathematics and its Applications (DIMAP), University of Warwick, Coventry, CV4 7AL, United Kingdom.

Description: The Postgraduate Combinatorial Conference is aimed at research students in all areas of combinatorics and discrete mathematics who are currently working on their Ph.D.

Organizer: The conference is organized under the auspices of the British Combinatorial Committee and the Centre for Discrete Mathematics and its Applications (DIMAP).

Sponsors: Include the London Mathematical Society and the Open University.

Information: <http://go.warwick.ac.uk/pcc2008>; email: pcc2008@dcs.warwick.ac.uk.

*21-August 8 **Summer Course on Multiscale Modeling and Analysis**, University of Texas at Austin, Austin, Texas.

Description: This is a three-week program on multiscale modeling and analysis for advanced undergraduate and 1st year graduate students. This program will contain 5-6 short courses, each consisting of 4-6 one-hour lectures. The lectures will be complemented by problem sessions in the afternoons conducted by senior graduate students. The prerequisites of the course are advanced calculus and linear algebra. Some familiarity with numerical analysis and computer programming will be helpful.

Information: email: lexing@math.utexas.edu; <http://www.math.utexas.edu/rtg/course.html>.

*28-September 21 **Mathematical Horizons for Quantum Physics**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Description: The Programme will consist of four overlapping three-week sessions, each devoted to a selected topic.

Organizing Committee: Co-chairs: Berthold Georg Englert (National University of Singapore), Kwek Leong Chuan (Nanyang Technological University). Secretary: Junuzuki (National University of Singapore). Overall Programme Coordinator: Huzihiro Araki (University of Kyoto).

Information: email: imscec@nus.edu.sg; <http://www.ims.nus.edu.sg/Programs/mhq08/index.htm>.

August 2008

*1-3 **Jairo Charris Seminar in Algebra and Analysis 2008: SJCH 2008**, Universidad Sergio Arboleda, Bogotá, Colombia.

Description: This seminar is dedicated to Jairo Antonio Charris Castañeda (in memoriam) and in this occasion is devoted to

orthogonal polynomials, complex variables and their applications, emphasizing his scientific legacy.

Information: email: primitivo.acosta@upc.edu; <http://www-ma2.upc.edu/primi/sjch2008.htm>.

- * 14–19 **International Conference on Complex Analysis and Related Topics (The Xlth Romanian-Finnish Seminar)**, University of Alba Iulia, Romania.

Topics: The following sections will be included: 1. Analytic functions of one complex variable; 1A. Univalence, 1B. Other subjects; 2. Quasiconformal mappings and Teichmüller spaces; 3. Several complex variables; 4. Potential theory; 5. Functional analytical methods in complex analysis.

Description: The organizers are the Institute of Mathematics “Simion Stoilow” of the Romanian Academy; University of Alba Iulia; University of Pitesti; University of Bucharest; and the Faculty of Mathematics and Informatics of the “Babes-Bolyai” University of Cluj-Napoca, in cooperation with the Universities of Helsinki, Joensuu, and Jyväskylä from Finland.

Information: <http://www.imar.ro/~purice/conferences/index.html>; email: lucian.beznea@imar.ro.

- * 24–27 **39th Annual Iranian Mathematics Conference (AIMC39)**, Department of Mathematics, Shahid Bahonar University of Kerman, Kerman, Iran.

Description: The 39th AIMC will be held at Shahid Bahonar University of Kerman Under the auspices of Iranian Mathematical Society in Kerman (a beautiful and historical city), during 24-27 August, 2008. This conference includes invited speakers and presentations of submitted research papers. All areas listed on the cover of Mathematical Reviews, are partitioned in 12 branches by the scientific committee for grouping presentations as follows: Algebra, Analysis, Combinatorics and Graph Theory, Computer Sciences and Logic, Control theory and Optimization, Differential Equation and Dynamical Systems, Fuzzy Mathematics, Geometry and Topology, Mathematical Education, Numerical Analysis, Probability and Statistics, and other areas of mathematics not listed above.

Information: email: salavati@mail.uk.ac.ir; <http://www.aimc39.ir/>.

- * 31–September 6 **Summer School on General Algebra and Ordered Sets**, Trest, Czech Republic.

Description: The summer school focuses on recent trends in universal algebra, especially in connection with theoretical computer science and logic. The program will consist of three tutorials, two plenary invited lectures, and short contributed talks of the participants.

Information: email: stanovsk@karlin.mff.cuni.cz; <http://www.karlin.mff.cuni.cz/~ssaos>.

September 2008

- * 1–12 **School on Algebraic Topics of Automata**, Complexo Interdisciplinar da Universidade de Lisboa Av. Prof. Gama Pinto, 2 1649-003, Lisboa, Portugal.

Description: This school aims to present to the scientific communities, in particular to post-graduate students, various topics on algebraic theory of automata, delivered as courses, advanced seminars and student’s seminars.

Topics: The programme includes eight courses on various aspects of algebraic theory of automata, plus an advanced seminar on mainstream topics and a student’s seminar on their research work.

Sponsor: By the project automata: from mathematics to applications (AutoMathA) of the European Science Foundation (ESF).

Organizer: Within the activities of Centro de Algebra da Universidade de Lisboa (CAUL) and Centro de Matematica da Universidade do Porto (CMUP).

Information: <http://caul.cii.fc.ul.pt/SATA2008/>; email: patricia@cii.fc.ul.pt.

- * 2–4 **2008 MBI Workshop for Young Researchers in Mathematical Biology (WYRMB)**, Mathematical Biosciences Institute, The Ohio State University, Columbus, Ohio.

Description: The workshop is intended to broaden the scientific perspective of young researchers in mathematical biology and to encourage interactions with other scientists. Workshop activities include plenary talks and poster sessions, as well as group discussions on issues relevant to mathematical biologists. We cordially invite young mathematical biologists to participate.

Application deadline: April 17, 2008.

Information: <http://www.mbi.ohio-state.edu/postdocworkshop/wyrm2008.html>; email: jday@mbi.osu.edu.

- * 8–10 **Calculus of Variations and Its Applications From Engineering to Economy**, Departamento de Matemática Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa Caparica, Portugal.

Description: The aim of this event is to promote the scientific exchange of ideas and methods in such a broad and useful area as the calculus of variations. With the goal of applications to different areas such as mathematics, mechanics, engineering, economy, finances, chemistry, biology, just to name a few, models and methods have been developed, with apparent different languages that are susceptible of an unified analytical and numerical treatment. Taking into account the most recent developments in this area of mathematics, we wish to address problems associated with partial differential equations, optimal control, finite or infinite dimension optimization, shape optimization in structural engineering, together with the associated computational aspects.

Information: email: mcm@fct.unl.pt; <http://ferrari.dmat.fct.unl.pt/cva2008/>.

- * 13 **63rd Algebra Day**, Carleton University, Ottawa, Canada.

Speakers: Osamu Iyama (Nagoya), Bernhard Keller (Paris), Claus Michael Ringel (Bielefeld), Paul Smith (Washington).

Information: billig@math.carleton.ca, bsteinbg@math.carleton.ca or vdlab@math.carleton.ca.

- * 15–21 **Ninth Crimean Workshop on the Method of Lyapunov Functions and Its Applications**, Alushta, Crimea, Ukraine.

Description: The conference is dedicated to 70th anniversary of Academician A. M. Samoilenko.

Focus: The workshop will bring together researchers in the theory of stability and related fields of pure and applied mathematics, in particular, qualitative theory of differential equations, mechanics, mathematical modelling and control.

Program Committee: A. M. Samoilenko (chairman), I. V. Gaishun, M. M. Khapaev, D. Ya. Khusainov, V. I. Korobov, A. M. Kovalev, A. I. Malikov, A. A. Martynyuk, N. A. Perestyuk, S. N. Vassilyev.

Organizing Committee: O. V. Anashkin (chairman), E. P. Belan, V. I. Shostka, V. V. Zhuravlev.

Information: Oleg V. Anashkin; email: anashkin@crimea.edu.

- * 21–24 **Applied Statistics 2008**, Hotel Ribno, Ribno, Slovenia.

Description: The conference, organized in Ribno in the vicinity of the beautiful Lake Bled, will provide an opportunity for researchers in statistics, data analysts, and other professionals from various statistical and related fields to come together, present their research, and learn from each other. Cross-discipline and applied paper submissions are especially welcome. A three day program consists of invited paper presentations, contributed paper sections from diverse topics, and finishes with a workshop. Selected papers will be published in *Advances in Methodology and Statistics*, a peer-reviewed journal of the statistical society of Slovenia.

Keynote Speakers: Jaak Billiet, Katholieke Universiteit Leuven, Belgium; Ormulf Borgan, University of Oslo, Norway; William S. Cleveland, Purdue University, USA.

Important Dates: Abstract Submission: June 1, 2008. Registration: July 1, 2008.

Contact: Andrej Blejec, info.AS@nib.si.

Information: <http://conferences.nib.si/AS2008>; email: andrej.blejec@nib.si.

* 22–26 **Multiscale Representation, Analysis and Modeling of Internet Data and Measurements**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California.

Overview: We will discuss the structure of the Internet and of network traffic on the Internet. Topics will include current tools to measure and infer the connectivity structure of the Internet, and the modeling of both the emergence of network structures and traffic patterns. Challenges and opportunities in constructing multiscale models for such complex networks and traffic patterns will be studied from various perspectives.

Organizing Committee: Mauro Maggioni, Paul Barford, Anna Gilbert, Morley Mao, Rob Nowak.

Application/Registration: An application/registration form is available at <http://www.ipam.ucla.edu/programs/mraws1/>. If you don't intend to request financial support, you may simply register. We urge you to apply as early as possible. Applications received by August 11, 2008 will receive fullest consideration. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM's mission and we welcome their applications.

Information: email: sbeggs@ipam.ucla.edu; <http://www.ipam.ucla.edu/programs/mraws1/>.

October 2008

* 3–5 **Iberian Mathematical Meeting**, Departamento de Matemáticas, Universidad de Extremadura, 06071 Badajoz, Spain.

Description: The II Iberian Mathematical Meeting, jointly organized by the Spanish Royal Mathematical Society (<http://www.rsme.es/>), the Portuguese Mathematical Society (<http://www.spm.pt/>), and the Department of Mathematics of the University of Extremadura (<http://matematicas.unex.es/>), will be held on October 3–5, 2008 in Badajoz (Spain). In this second meeting, the main scientific areas will be: Algebra and Algebraic Methods; Functional Analysis–Statistics and Biometry.

Information: <http://imm2.unex.es>; email: ojedamc@unex.es; tel: +34924289568; fax: +34924272911; email: imm2@unex.es.

* 5–12 **International Conference on Differential Equations, Function Spaces, and Approximation Theory: Dedicated to the 100th anniversary of the birthday of S. L. Sobolev**, Sobolev Institute of Mathematics, Novosibirsk, Russia.

Description: October 6, 2008, will be the 100th anniversary of the birthday of Sergei L'vovich Sobolev (1908–1989), an outstanding mathematician of the 20th century. The Sobolev Institute of Mathematics of the Siberian Branch of the Russian Academy of Sciences jointly with Novosibirsk State University are organizing the International Conference on Differential Equations, Function Spaces, and Approximation Theory dedicated to this significant event.

Topics: Ordinary differential equations; partial differential equations; equations of mathematical physics; operator theory; spectral theory; function spaces; embedding theorems; numerical methods; approximation theory; cubature formulas; mathematical modeling.

Information: email: sobolev100@math.nsc.ru; <http://www.math.nsc.ru/conference/sobolev100/english>.

* 13–16 **Scaling up for modeling transport and flow in porous media**, Centre for Advanced Academic Studies, Dubrovnik, Croatia.

Description: The aim of the conference is to bring together researchers, scientists, engineers, and students to exchange and share their experiences, new ideas, and research results about upscaling for modeling, analysis and simulation of flow and transport in porous media and application to problems including subsurface hydrology, petroleum exploration, contaminant remediation, carbon sequestration and nuclear waste storage.

Topics: Flow and transport in heterogeneous porous media, multiphase flows, multiscale phenomena, scaling and heterogeneity, scaling in porous media, in particular scaling of processes from the microscale to the mesoscale, the use of coarse grid descriptions in modeling multiphase flow phenomena, numerical homogenization, numerical simulation of multiphase flow in heterogeneous porous media, mathematical modeling of multiphase flow in porous media.

Information: email: brahim.amaziane@univ-pau.fr; <http://web.math.hr/~jurak/Dubrovnik08/>.

* 18–20 **The Second International Workshop on Post-Quantum Cryptography (PQCrypto 2008)**, University of Cincinnati, Cincinnati, Ohio.

Description: Can we build large quantum computers? What will they do to the cryptographic world, in particular, public key cryptographic world? PQCrypto 2008 is the second of the new series of workshops on Post-Quantum cryptography, which is devoted to the cryptographic research in preparing us for the world of the possible future quantum computers.

Organizers: This series of workshop is organized due to the growing interest from academic researchers, industries and governments in this area. PQCrypto 2008 will serve as a forum for researchers to present results and exchange ideas in post-quantum cryptography.

Information: email: ding@math.uc.edu; <http://math.uc.edu/~aac/pqcrypto2008/>.

* 20–22 **International Conference on Analysis and Its Applications**, Aligarh Muslim University, Aligarh, India.

Information: <http://www.amudirectory.com/ICAA08>. For update informations: <http://ICAA-08.tripod.com>

November 2008

* 10–12 **International Conference on Recent Trends in Mathematical Sciences**, Manama, Kingdom of Bahrain.

Description: The aim of the conference is to bring together the teachers, researchers and scientists working in the field of pure mathematics, applied mathematics, statistics and operation areas including operation research.

Organizer: The International Department of Mathematics, College of Science, University of Bahrain.

Information: email: mabdelaty@sci.uob.bh; <http://www.icrms.uob.edu.bh/page-1.htm>.

December 2008

* 1–4 **SGT-in-Rio: Workshop on Spectral Graph theory with applications on Computer Science, Combinatorial Optimization and Chemistry**, Military Institute of Engineering, Rio de Janeiro, Brazil.

Description: The theory of graph spectra is now a well established field of research in Mathematics and in several applied sciences (e.g. chemistry, computer science and operational research), and many results have been published over the last few decades.

Goals: The main goals of the workshop are to bring together the leading researchers on graph spectra and related topics, to establish the state of the art, and to discuss recent achievements and challenges.

Topics: The topics include applications of graph spectra to computer science, combinatorial optimization, chemistry and other branches of science.

Organizer: In recognition of the strong developments in the subject, this workshop has been organized as a forum for the many researchers around the world.

Information: email: nair@pep.ufrj.br; <http://www.sgt.pep.ufrj.br/~tegrio>.

* 8–12 **Small Ball Inequalities in Analysis, Probability and Irregularities of Distribution**, American Institute of Mathematics, Palo Alto, California.

Description: This workshop, sponsored by AIM and the NSF, will be devoted to a theme common to irregularity of distributions, approximation theory, probability theory and harmonic analysis. In each of these subjects, there are outstanding conjectures in dimensions three and higher that stipulate that functions which satisfy certain conditions on its mixed derivative are necessarily large in sup norm. This workshop will survey these conjectures, seeking both commonalities and differences, describe recent advances, and discuss proof techniques and strategies.

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

* 13–17 **The 48th American Society for Cell Biology Annual Meeting**, The Moscone Center, San Francisco, California.

Deadlines: Abstract Deadline (to be considered for minisymposia presentations): August 7, 2008. Abstract Deadline (to be considered for poster presentations only): September 3, 2008. Late Abstract Deadline (to be considered for poster presentations only): October 16, 2008.

Information: For more information, visit: <http://ascb.org/meetings/>.

January 2009

* 5–8 **Joint Mathematics Meetings**, Washington, D.C.

Information: <http://www.ams.org/amsmtgs/national.html>.

* 5–16 **Group Theory, Combinatorics and Computation**, The University of Western Australia, Perth, Australia.

Description: Special Theme Program on group theory, combinatorics and computation at the University of Western Australia.

Invited Speakers: Rosemary Bailey, Peter Cameron, Marston Conder, Marcel Herzog, Kathy Horadam, Sasha Ivanov, William Kantor, Cai Heng Li, Charles Leedham-Green, Martin Liebeck, Brendan McKay, Peter Neumann, Eamonn O'Brien, Tim Penttila, Jan Saxl, Akos Seress.

Topics: Week 1: An international conference in honour of Professor Praeger's 60th birthday. It will contain invited 1 hour talks and short contributed talks by participants. Week 2: An informal week of short courses, workshops and problem sessions, especially beneficial to early career researchers and postgraduate students.

Information: <http://sponsored.uwa.edu.au/gcc09/welcome>; email: alice@maths.uwa.edu.au.

April 2009

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

Description: This workshop, sponsored by AIM and the NSF, will be devoted to the 3D Euler equations of incompressible fluids and the 2D surface quasi-geostrophic (QG) equation of geophysical flows.

Information: email: farmer@aimath.org; <http://aimath.org/ARCC/workshops/3deuler.html>.

* 19–26 **NoDIA-2009: Nonlinear Differential Equations, Integrability and Applications**, Cape Town, South Africa.

Description: The conference aims to bring together both experts and young researchers in the subject of nonlinear differential equations, with emphasis on the following subjects: integrability of differential equations and systems, hierarchies and sequences of equations, singularity analysis, symmetry analysis and applications. The meeting is financed partially by SIDA (Sweden) and NRF (South Africa).

Information: <http://www.sm.luth.se/~norbert/nodia09.html>; email: norbert@sm.luth.se.

May 2009

* 10–15 **ICMI Study 19: Proof and Proving in Mathematics Education**, Taipei, Taiwan.

Call for contributions: Participation in the conference is by invitation to the authors of accepted contributions following a refereeing process. The International Program Committee (IPC) invites individuals or groups to submit original contributions. A submission should represent a significant contribution to knowledge about learning and teaching proof. It may address questions from one or more of the study themes, or further issues relating to these, but it should identify its primary focus. The Study themes are set out in the Discussion Document which is available on the ICMI Study 19 website (still under construction but functional) <http://jps.library.utoronto.ca/ocs/index.php?cf=8> (or via Google: ICMI 19). Submissions will be a maximum of 6 pages, including references and figures, written in English, the language of the conference. Further technical details about the format of submissions will be available on the study website.

Important dates: By 30 June 2008: Potential authors upload their papers to the conference website. By 15 November 2008: Potential authors receive the result of the refereeing process. Invitations to participate in the conference are sent to authors whose papers are accepted.

ICMI Executive Advisors: Hyman Bass (USA); Mariolina Bartolini-Bussi (Italy).

* 27–June 1 **The International Conference “Infinite Dimensional Analysis and Topology”**, Yaremche, Ivano-Frankivsk, Ukraine.

Topics: The main scientific topics to be presented at the conference are: Infinite dimensional holomorphy, topological tensor products, Banach space theory, operator theory, general topology, set-theoretic topology, geometric and infinite dimensional topology.

Language: Official language of the Conference is English.

Deadline: For registration is May 1, 2009.

Organizers: The organizers of the conference are: Precarpathian National University, Ivano-Frankivsk, Ukraine; Lviv Ivan Franko National University, Lviv, Ukraine; Institute for Applied Problems of Mechanics and Mathematics, Lviv, Ukraine; Institute of Mathematics of National Academy of Sciences, Kyiv, Ukraine.

Information: email: andriyzag@yahoo.com; <http://www.idat.frankivsk.org>.

July 2009

* 27–31 **33rd Conference on Stochastic Processes and their Applications**, Berlin, Germany.

Main Venue: Will be the Mathematics Institute of Technische Universität, located in the center of Berlin.

Description: The conference is the major annual meeting for researchers working in the field of Stochastic Processes. The conference covers a wide range of active research areas, in particular featuring 20 invited plenary lectures presented by leading specialists. In addition, there will be a large variety of special sessions, consisting of three talks each.

Confirmed Plenary Speakers: J. Baik, S. Chatterjee, F. Delbaen, A. Dembo, S. Hamadène, C. Klüppelberg, J. Martin, S. Martinez, P. Mathieu, J. Mattingly, P. Mörters, E. Perkins, G. Reinert, L. Saloff-Coste, S. Smirnov, A. Schied, G. Slade, M. Takeda, F. Y. Wang, A. Wakolbinger.

Information: email: roelly@math.uni-potsdam.de; <http://www.math.tu-berlin.de/SPA2009>.

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.