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/.

April 2013

* 1–June 14 **Research Term on Real Harmonic Analysis and Applications to PDE**, ICMAT: Instituto de Ciencias Matemáticas, located at the campus of the U.A.M., Universidad Autonoma de Madrid.
Description: This is a trimester called "Research Term on Real Harmonic Analysis and Applications to PDE". More than 40 researchers have agreed to participate in the trimester. Each of them will deliver specialized lectures on their topics. Four minicourses on modern harmonic analysis will be delivered by S. Hofmann, T. Hytönen, A. McIntosh and A. Volberg. Also there will be a workshop during the week of May 27–31.
Information: http://www.icmat.es/NTHA/RT-HAPDE/.

* 3–5 **Quantum Fields, Gravity and Information**, University of Nottingham, Nottingham, United Kingdom.
Description: We are pleased to invite postgraduate researchers, from inside and outside the UK, to exchange ideas on the mathematical aspects of relativistic quantum physics. A special focus will be given to relativistic quantum information, a relatively young field which combines techniques from quantum field theory, quantum gravity, quantum information and quantum optics.
Invited speakers: Our invited speakers reflect the diversity of areas covered: Prof. Bob Coecke (Oxford), Dr. Ivette Fuentes (Nottingham), Dr. Etera Livine (Lyon) and Prof. Tim Ralph (Brisbane).
Funding: Is available to cover accommodation and travel for up to 30 participants. We expect to give all of them the opportunity to contribute either with a talk or a poster.
Information: For more information contact qfgi2013@nottingham.ac.uk or visit our website: http://qfgi2013.weebly.com/.

* 4–6 **44th Interface Symposium**, Chapman University, Orange, California.
Description: Interface is a membership society of computational scientists, statisticians, mathematicians and individuals from related discipline areas interested in the interface between computing science and statistics.
Topics: Interests include topics such as computational statistics, statistical software, exploratory data analysis, mathematical modeling, data mining, pattern recognition, scientific visualization and related fields.
Cooperating Organizations: American Statistical Association (ASA), Classification Society of North America (CSNA), Eastern North American Region (of the International Biometric Society) (ENAR), International Association of Statistical Computing (IASC), Institute of Mathematical Statistics (IMS), Institute for Operations Research and Management Science (INFORMS), Society for Industrial and Applied Mathematics (SIAM), Western North American Region (of the International Biometric Society) (WNAR).

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/.

Information: http://www.chapman.edu/events/interface-2013/index.aspx.

* 8–13 **Joint CRM-Imperial College School and Workshop in Complex Systems**, Centre de Recerca Matemàtica, Bellaterra, Barcelona.
Description: The overall theme is the dynamics of complex systems, with an emphasis on emergent phenomena such as spatio-temporal patterns. Complex systems are characterized by different phenomena occurring at different time scales as well as different length scales. Specific mathematical techniques are available to analyze how phenomena occurring at one scale are related to phenomena at different scales. Typically, one moves from microscopic, through mesoscopic, to macroscopic levels of description. New interactions and new behaviors emerge at each level.
Information: http://www.crm.cat/2013/ACComplexSystems.

* 8–20 **Cimpa-Unesco-Mesr-Mineco-Morocco Research School on Statistical Methods and Applications in Insurance and Finance**, Cadi Ayyad University, Faculty of Sciences and Techniques, Marrakesh, Morocco.
Description: A first purpose of this school is to offer to Ph.D. students and young researchers from Morocco and other countries of the region and other countries of the world, advanced courses about recent research in the area of statistics, probability and related applications in finance and insurance, and provide a platform for them to discus some of the latest trends in these fields. A second purpose consists in establishing research links between international researchers and African ones. Finally, the school wants to encourage young researchers to work in these areas. This is important from scientific and professional point of view. Success of the school will definitely have a positive scientific and professional impact, both in the North-South cooperation and for our young researchers, in important domains of modern economy.
Information: http://cimpa2013.uca.ma/.

* 18–22 **A tribute to S. Ramanujan and Professor S. Chandrasekhar (Life and Work)**, Department of Mathematics, T.D.P.G. College, Jaunpur-222002 (U.P.), India.
Description: Respected Sir/ Madam, in order to motivate students towards Mathematical Sciences (Mathematics/Physics), a workshop on "A tribute to S. Ramanujan and Professor S. Chandrasekhar (Life and Work)", has been organized in the Department of Mathematics, T.D.P.G. College, Jaunpur, during April 18-22, 2013. You are requested to deliver talk (popular/technical)/present paper during the above mentioned workshop.
Support: We shall provide local hospitalities and AC IInd class fare for senior scientists and teachers. For research scholars local hospitalities and AC IIIrd class fare will be given. Kindly send the topic of talk/ abstract of the paper at your earliest. In order to make proper arrangement for your comfortable stay we require your travel programme soon. In anticipation of your early reply.
Organizing secretary: Dr. Satya Prakash Singh, Department of Mathematics, T.D.P.G. College, Jaunpur-222002, (U.P.) India.
Information: http://workshoptdcollege.hpage.com/.

May 2013

* 6–10 **Instructional Workshop on Applied Mathematics**, South Asian University, New Delhi, India.
Description: The workshop aims to bring together the researchers studying the topics numerical analysis, differential equations, mathematical modeling, stochastic modeling, cryptography, graph theory, fractal geometry, coding theory, applied algebra, dynamical systems. The academic programme will consist of series of instructional lectures by eminent mathematicians and scientists in the identified topics, invited talks to acquaint the participants in the recent development in the area and contributory talks/paper presentations by the participants, if they wish so.
Information: http://mathworkshop.sau.ac.in.

* 6–17 **The Topology of 3-dimensional Manifolds**, Centre de recherches mathématiques, Montréal, Canada.
Description: Recent advances in our understanding of the topology of 3-dimensional manifolds have led to a conjectural picture which indicates surprising restrictions on their topology. We will explore the major elements of this picture and what it says about basic classification and decision problems. The main themes to be addressed are the study of finite covers and virtual properties of 3-manifolds, the study of the set of all 3-manifolds and how they relate to each other, and the algebraic and geometric properties of 3-manifold fundamental groups and their character varieties. This event will consist of introductory mini-courses held during the first week, a workshop held during the second, and a series of Aisenstadt Chair lectures to be delivered by David Gabai (Princeton) which will provide a bridge between them.
Information: http://www.crm.umontreal.ca/2013/Manifolds13/index_e.php.

* 13–15 **Spring School 7th Montreal Scientific Computing Days**, Centre de recherches mathématiques, Montréal, Canada.
Description: To foster scientific exchanges within the scientific computing community; to train senior undergraduate and graduate students, post-doctoral fellows, and young researchers in the form of three minicourses given by world recognized experts in the general areas of scientific computing in science, engineering and medicine; to maximize interactions between the students, the senior participants, and the main speakers by reserving up to half of the time for student presentations; to encourage the participation of non-academic (private or public sector) research or other organizations.
Information: http://www.crm.umontreal.ca/Comp13/index_e.shtml.

* 20–24 **Probability and PDEs**, Centro di Ricerca Matematica Ennio De Giorgi, Palazzo Puteano, Piazza dei Cavalieri 3, 56100, Pisa, Italy.
Description: This workshop aims to bring together researchers interested in the interaction between probability and PDEs. Particular interest will be devoted to the regularizing effect that comes from both: randomization of initial data and/or introduction of noise.
Host: This workshop is hosted by the Centro di Ricerca Matematica Ennio De Giorgi and it is also supported by: ERC Starting grant Dispeq (agreement number 257293); FIRB 2012 "Dinamiche dispersive: Analisi di Fourier e Metodi Variazionali"; PRIN 2012 "Problemi differenziali di evoluzione: approcci deterministici e stocastici e loro interazioni".
Registration: There is no registration fee, but preliminary registration is required. For registration please link to http://www.crm.sns.it/event/284/registration.html.
Support: Some funds are available to offer financial support to a number of selected young researchers and students. Applications can be made at http://crm.sns.it/event/284/financial.html.
Deadline: For applications is March 31, 2013.
Information: http://www.crm.sns.it/event/284/.

* 20–30 **Cube complexes and 3-manifolds**, University of Illinois at Chicago, Chicago, Illinois.
Description: This meeting will focus on the recent results on virtual questions, bringing together the geometric group theory and 3-manifold communities to discuss the impact and future directions. The format will be a week long workshop, followed by a conference.
Deadline: We strongly encourage graduate students to participate; register by March 15, 2013, to receive full consideration for conference funding.
Workshop: May 20–24, 2013.
Main speakers: Ian Agol, UC Berkeley; Dani Wise, McGill University; Alan Reid.
UT Austin Conference: May 27–30, 2013. See website for speakers.

Information: http://www.math.uic.edu/conferences/cubes_man.

* 20–31 **Advanced School and Workshop in Real and Complex Dynamics**, The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy.
Description: Dynamical Systems is a very broad field with many applications and with lots of interest in many developing countries. This activity will focus on some advanced topics in dynamics and so will be suitable for mathematicians who have a strong background and are ambitious and interested in developing their research in dynamical systems in a solid and rigorous direction. The first week of the activity is devoted to a school giving an overview of current research topics in real and complex dynamics.
Courses: Four intensive courses will be given.
Topics: One-dimensional real dynamics (S. Van Strien, Imperial College), two-dimensional real dynamics (M. Martens, Stony Brook), one-dimensional complex dynamics (M. Lyubich, Stony Brook), two-dimensional complex dynamics (J. Smillie, Cornell). The second week will be an international workshop, where leading experts will report on the newest developments in the field of Real and Complex Dynamics.
Information: http://agenda.ictp.it/smr.php?2460.

* 21–25 **Great Plains Operator Theory Symposium (GPOTS2013)**, University of California, Berkeley, California.
Theme: The conference will be centered on the legacy in the fields of operator theory and operator algebras of the late William B. Arveson.
Plenary Speakers (50 minute talks): Kennith Davidson (Univ. Waterloo), Ronald Douglas (Texas A & M Univ.), Ruy Exel (Federal Univ. of Santes Caterina, Brazil), Richard Kadison (Univ. Pennsylvania), Paul Muhly (Univ. Iowa), Vern Paulsen (Univ. Houston). Judith Packer (Univ. Colorado), Gilles Pisier (Texas A&M Univ.), Robert Powers (Univ. Pennsylvania), Sarah Reznikoff (Kansas State Univ.)
Contributed talks (15 minutes each): The schedule allows for up to 200 contributed talks.
Information: http://math.berkeley.edu/gpots2013/.

* 27–31 **Advanced Course on Compactifying Moduli Spaces**, Centre de Recerca Matemàtica, Bellaterra, Barcelona.
Description: The Advanced School "Compactifying Moduli Spaces" deals with various instances of moduli spaces in algebraic geometry, with particular attention to questions related to compactification.
Goals: It has three goals: To introduce a new generation of students and researchers to these subjects, to collect and survey recent development in the theory, to formulate and disseminate new problems and directions of research.
Information: http://www.crm.cat/2013/ACModuliSpaces.

* 30–June 1 **GAP 2013: Geometry and Physics**, Centre de Recherches Mathématiques in Montréal, Québec, Canada.
Description: Every year, the format of the GAP conference combines three separate but related themes in geometry and physics. This approach results in a very interesting mixture of talks. The aim of the conference is to present some of the exciting new developments in the areas of the chosen themes, as well as to expose local area graduate students and postdocs to these ideas. In fact, the previous conferences involved heavy participation by graduate students and postdoctoral fellows (over one third of all participants) from the universities of Toronto, Queen's, Waterloo, McMaster, and Western Ontario, the Perimeter Institute, as well as other institutions in Canada and around the world.
Information: http://www.math.uwaterloo.ca/~gap/.

June 2013

* 3–7 **PIMS/EQINOCS Automata Theory and Symbolic Dynamics Workshop**, University of British Columbia, Vancouver, BC, Canada.
Description: The aim of this workshop is to bring together mathematicians working in symbolic dynamics and computer scientists working in automata theory, as well as those working on the interface, to report on recent research results, to learn from tutorials, to brainstorm on open problems, to explore emerging connections, and to identify new challenges at the intersection of the two fields.
Information: http://www.pims.math.ca/scientific-event/130603-atsdw.

* 3–28 **Rational Points, Rational Curves and Entire Holomorphic Curves on Projective Varieties**, Centre de recherches mathématiques, Montréal, Canada.
Description: During the first three weeks, there will be a dozen minicourses given on three objects of interests in an algebraic variety: rational curves, rational points and holomorphic curves. Key interconnections between these objects will be explored throughout. During the last week of June, there will be a workshop featuring new and exciting developments in these fields and in their interconnections.
Information: http://www.crm/umontreal.ca/2013/Integral13/index_e.php.

* 17–20 **Young Researchers in Mathematics (YRM2013)**, Edinburgh, Scotland.
Description: This is an annual conference organized this year by graduate students at Edinburgh, Heriot-Watt, and Glasgow University. The meeting is principally aimed at UK based mathematics Ph.D. students and postdocs. Previous conferences in the series have taken place in Cambridge, Warwick, and Bristol.
Information: http://www.maths.gla.ac.uk/YRM2013/Home.html.

* 17–21 **NSF-CBMS Regional Research Conference in Mathematical Sciences: The Global Behavior of Solutions to Critical Nonlinear Wave Equations**, Kansas State University, Manhattan, Kansas.
Description: The conference will feature ten lectures by Professor Carlos Kenig (University of Chicago) on 'The Global Behavior of Solutions to Critical Nonlinear Wave Equations'. The main topic of the lectures will be about issues of local and global well-posedness, scattering, finite-time blow-up and soliton resolution for a class of non-linear dispersive equations, namely the focusing, energy-critical nonlinear wave equation and the related energy-critical co-rotational wave maps into the sphere.
Invited speakers: In addition to Carlos Kenig's ten lectures, there will be eight 50-minute talks by invited speakers: Ioan Bejenaru (University of California San Diego), Thomas Duyckaerts (Université Paris 13), Justin Holmer (Brown University), Andrea Nahmod (University of Massachusetts Amherst), Natasa Pavlovic (University of Texas at Austin), Gustavo Ponce (University of California Santa Barbara), Gigliola Staffilani (Massachusetts Institute of Technology), Luis Vega (Universidad del País Vasco).
Information: http://www.math.ksu.edu/events/conference/cbms2013/.

* 17–21 **String-Math 2013**, SCGP, Stony Brook, New York.
Description: The Simons Center for Geometry and Physics is hosting the third annual meeting of String-Math series of conferences in June 2013. The main goal of the conference is to bring together mathematicians and physicists who work on ideas related to string theory. String theory, as well as quantum field theory, has contributed a series of profound ideas which gave rise to entirely new mathematical fields and revitalized older ones. By now there is a large and rapidly growing number of both mathematicians and physicists working at the string-theoretic interface between the two academic fields. The influence flows in both directions, with mathematical techniques and ideas contributing crucially to major advances in string theory.
Information: http://scgp.stonybrook.edu/events/event-pages/string-math-2013.

* 17–21 **XVII International Conference on Waves and Stability in Continuous Media**, Bellavista Hotel, Levico terme (TN), Italy.
Description: The International Conference on Waves and Stability in Continuous Media (WASCOM), now in its XVII edition, is a

biennial international conference on Mathematical Physics. The meeting will encompass different fields including discontinuity and shock waves, linear and nonlinear stability in fluid dynamics and solid mechanics, small parameter problems, kinetic theories and comparison with continuum models, wave propagation and non-equilibrium thermodynamics, diffusion processes in biology and in continuum mechanics, group analysis and reduction techniques, numerical and technical applications.
Information: http://www.dmi.unict.it/wascom2013.

* 24–28 **Constructive Mathematics: Foundations and Practice**, University of Niš (Faculty of Mechanical Engineering), Niš, Serbia.
Aim: The aims of the meeting are: (i) To offer mini-series of lectures presented by experts and designed to lead mathematicians (including graduate students) from the basic elements of constructive mathematics to a level where they can appreciate recent developments in the area. Each mini-series will comprise between 2 and 4 one-hour lectures.
Subjects: The subjects covered will cover the foundations of constructive mathematics (logic, type theory, and set theory); the practice of constructive analysis, algebra, and topology; and constructive reverse mathematics. (ii) To enable selected speakers to present one-hour seminars on their recent research in aspects of constructive mathematics.
Information: http://www.masfak.ni.ac.rs/cmfp2013/.

* 24–28 **Riemann and Klein Surfaces, Symmetries and Moduli Spaces**, Linkoping University, Linkoping, Sweden.
Description: The conference will be held in honour of Professor Emilio Bujalance on the occasion of his 60th birthday. It will be devoted to the mathematics Emilio Bujalance has worked with, with special focus on Riemann and Klein surfaces, i.e., complex curves, automorphisms of surfaces (real and complex), group actions on surfaces, Grothendieck theory of dessins d'enfants and topological properties of moduli spaces of complex curves. The conference will have a computational/combinatorial flavour, with focus on group actions on Riemann surfaces, Klein surfaces and related structures such as complex surfaces or hyperbolic manifolds.
Topics: Among others, the following topics will be covered: Real and complex algebraic curves and surfaces automorphisms of Riemann and Klein surfaces, Dessins d'Enfants, combinatorics and graph theory, geodesics in hyperbolic surfaces, Teichmüller theory and moduli spaces of algebraic curves.
Information: http://www.mai.liu.se/surfaces/.

* 24–28 **Sz.-Nagy Centennial Conference**, Szeged, Hungary.
Description: In the summer of 2013 we commemorate the 100th anniversary of Béla Szőkefalvi-Nagy who made deep impact on operator theory over a long period of time. On this occasion the Bolyai Institute of the University of Szeged organizes a conference devoted to recent advances in operator theory and related fields with emphasis on areas related to research carried out by B. Sz.-Nagy.
Information: http://www.math.u-szeged.hu/SzNagy100/.

* 27–28 **A singular life – in honour of Eduard Looijenga**, Utrecht University, Utrecht, The Netherlands.
Description: The conference "A singular life" marks the retirement of Professor Eduard Looijenga and will be a celebration of his achievements and influence in Dutch and international mathematics.
Information: http://www.uu.nl/singularlife.

July 2013

* 7–13 **Seventh Czech-Slovak International Symposium on Graph Theory, Combinatorics, Algorithms and Applications**, Košice, Slovakia.
Description: The symposium is a scientific event celebrating the first Czech-Slovak international symposium on graph theory, combinatorics, algorithms and applications, which took place at the Smolenice Castle fifty years ago.
Information: http://csgt13.upjs.sk.

* 15–August 2 **School and Workshop on Geometric Measure Theory and Optimal Transport**, International Centre for Theoretical Physics (ICTP), Trieste, Italy.
Organizer: The Abdus Salam International Centre for Theoretical Physics (ICTP).
Director: It will be directed by Luigi Ambrosio (Scuola Normale Superiore di Pisa), Claudio Arezzo (ICTP), Tobias Colding (MIT) and Camillo De Lellis (University of Zurich).
Topics: Regularity for area-minimizing currents, optimal Transportation, Monge-Ampére equations, Riemannian Ricci bounds.
Information: http://agenda.ictp.it/smr.php?2459/.

* 22–26 **Planetary Motions, Satellite Dynamics, and Spaceship Orbits**, Centre de recherches mathématiques, Montréal, Canada.
Description: The initial goal of Celestial Mechanics was to explain the motion of the Sun, the Moon and planets. Nowadays the mathematical methods of Celestial Mechanics find several different applications, including the determination of the dynamics of planets, asteroids, comets, artificial satellites, and the design of orbits for interplanetary travels. The discovery in the '90s of the Kuiper belt and of extrasolar planetary systems gave a new impulse to Celestial Mechanics as a mean to understand the birth, evolution, and the future of the planetary system around the Sun as well as of those around other stars. Also, the observational campaigns of small bodies of the solar system and the increase of the number of artificial satellites around our planet led to a new field of application of Celestial Mechanics: the safeguard of planet Earth. Dismissed satellites and space rockets constitute dangerous space debris around the Earth, which must be carefully monitored and eventually removed.
Information: http://www.crm.umontreal.ca/2013/Satellites13/index_e.php.

* 22–26 **Samuel Eilenberg Centenary Conference**, Warsaw, Poland
Description: The Conference will be held on the old campus of the University of Warsaw, Alma Mater of Samuel Eilenberg.
Organizer: By the University of Warsaw, Polish Mathematical Society and the Institute of Mathematics of the Polish Academy of Sciences in collaboration with the American Mathematical Society and Columbia University.
Scientific Program: Confirmed plenary lectures will be delivered by Paul Balmer (University of California at Los Angeles), Andre Joyal (Université du Qu{é}bec, Montr{é}al), Martin Hyland (University of Cambridge), Ieke Moerdijk (Radboud University Nijmegen), Brooke E Shipley (University of Illinois at Chicago), Bernard Toen (Universit{é} de Montpellier), Shmuel Weinberger (University of Chicago), Mariusz Wodzicki (University of California at Berkeley). We plan also to organize parallel sessions of contributed talks and poster session which will cover the areas of Eilenberg's contributions: Algebraic topology, category theory and computability. Sectional talks will last 30-45 minutes. Proposals of talks can be submitted electronically after registration for the conference. Proceedings on the occasion of the conference, a special volume of Fundamenta Mathematicae will appear, the journal in which Eilenberg published many papers, including his first (in 1934) and the last (in 1988) topological papers. Participants are welcome to submit their papers which all will be refereed.
Financial support: Grants will be offered to a limited number of students and postdocs, towards covering their local expenses in Warsaw. Applications can be submitted via the registration website.
Information: http://eilenberg100.ptm.org.pl.

August 2013

* 1–3 **15th IMS New Researchers Conference**, Centre de recherches mathématiques, Montréal, Canada.
Description: The purpose of the conference is to promote interaction and networking among new researchers in probability and statistics.

Information: http://www.math.mcgill.ca/nrc2013/index.html.

* 18–24 **International Conference "Differential Equations. Function Spaces. Approximation Theory" dedicated to the 105th anniversary of the birthday of S.L. Sobolev**, Sobolev Institute of Mathematics, Novosibirsk, Russia.
Description: October 6, 2013, will be the 105th 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 "Differential Equations. Function Spaces. Approximation Theory" dedicated to this event.
Topics: The range of topics that are within the scope of the conference includes (but is not limited to): ordinary differential equations, partial differential equations, equations of mathematical physics, operator theory, spectral theory, function spaces, embedding theorems, approximation theory, cubature formulas.
Information: http://www.math.nsc.ru/conference/sobolev/105/english/.

* 19–23 **Fifth Montreal Problem Solving Workshop, A CRM-Mprime Event**, Centre de Recherches Mathématiques, Montréal, Canada.
Description: The goal of the workshop is to gather industry representatives, academic researchers, graduate students and postdoctoral fellows to work on concrete problems proposed by the industry. The workshop is organized by the Centre de recherches mathématiques, along with GERAD, the CIRRELT (Interuniversity Research Centre on Enterprise Networks, Logistics and Transportation), and ncm2, and is sponsored by the Mprime network of centres of excellence. The participants will work in teams, and each team will analyze a problem supplied by a company or a public sector institution. The workshop will provide companies and institutions with mathematical tools for solving problems, and will enable academic researchers and students in applied mathematics to work on real-world problems.
Information: http://www.crm.umontreal.ca/probindustriels2013/index_e.php.

* 26–30 **AIM Workshop: Rigorous computation for infinite dimensional nonlinear dynamics**, American Institute of Mathematics, Palo Alto, California.
Description: This workshop, sponsored by AIM and the NSF, will focus on the extension of the rigorous computational tools used in finite dimensional dynamical systems to the infinite dimensional case.
Information: http://www.aimath.org/ARCC/workshops/computenonlinear.html.

September 2013

* 9–11 **S.Co. 2013 - Complex Data Modeling and Computationally Intensive Statistical Methods for Estimation and Prediction**, Politecnico di Milano, Milano, Italy.
Description: The conference provides a forum for the discussion of new developments and applications of statistical models and computational methods for the analysis of complex and high dimensional data.
Information: http://mox.polimi.it/sco2013/.

* 11–14 **The Sixth International Workshop on Differential Equations and Applications**, Izmir University of Economics, Izmir, Turkey.
Description: The scope of the conference is to bring together members of the mathematical community whose interest lies in applied mathematics to assess new developments, ideas and methods. The conference will cover a wide range of topics of differential equations, difference equations, dynamic equations and stochastic differential equations.
Information: http://dm.ieu.edu.tr/wdea2013.

* 21–27 **"Wavelets and Related Multiscale Methods" within ICNAAM2013: 11th International Conference of Numerical Analysis & Applied Mathematics**, Rodos Palace Hotel, Rhodes, Greece.
Aim: To bring together specialists in both theory and application of multiscale harmonic analysis.
Topics: The topics include but are not restricted to: Wavelet bases and frames (construction, properties, etc.), applications of wavelet and other multiscale decompositions to computational problems, modeling multiscale (fractal) structures and anomalous (multiscale self-similar) kinetics, mathematical modeling and analysis biophysical (e.g., in acoustics, oscillating chemical reactions, neuroscience, etc.) signals with non-stationary multifrequent periodicity. Thus, presentations of researchers developing mathematical basics of multiscale analysis as well as those who apply these methods for practical computational applications are welcomed.
Information: http://www.icnaam.org/sessions_minisymposia.htm.

November 2013

* 12–14 **2013 IEEE International Conference on Technologies for Homeland Security (IEEE HST.13)**, The Westin, Waltham, Boston, 70 Third Avenue, Waltham, Massachusetts 02451.
Description: The meeting will bring together innovators from leading academic, industry, business, homeland security centers of excellence, and government programs to provide a forum to discuss ideas, concepts, and experimental results. Produced by IEEE with technical support from DHS S&T, IEEE Boston Section, and IEEE-USA and organizational support from MIT Lincoln Laboratory, Raytheon, Battelle, and MITRE, this year's event will once again showcase selected technical paper and posters highlighting emerging technologies in the areas of cyber security, attack and disaster preparation, recovery, and response, land and maritime border security and biometrics & forensics.
Information: http://ieee-hst.org.