
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 2012

1-3 **Trends in Mathematical Analysis**, Dipartimento di Matematica "F.Brioschi" Politecnico di Milano, Milan, Italy. (Feb. 2012, p. 337)

* 2-3 **Interuniversity Seminar on Research in the Mathematical Sciences (SIDIM) XXVII**, University of Puerto Rico, Mayagüez, Puerto Rico.

Description: The SIDIM is an annual gathering where researchers, professors, teachers, graduate and undergraduate students share and discuss their recent work in mathematics, computer science and related fields. Its diverse and intense scientific program provides an interesting cross section of the current status of mathematical research in Puerto Rico. Math faculty and students from all the higher learning institutions in Puerto Rico, as well as distinguished visiting mathematicians will be among the 250 expected participants of the meeting.

Information: <http://www.sidim.pr>.

3-4 **AMS Western Section Meeting**, University of Hawaii, Honolulu, Hawaii. (May 2011, p. 744)

* 3-4 **Redbud Topology Conference - Rank vs. Genus**, Oklahoma State University, Tulsa, Oklahoma.

Description: This conference is focused around Tao Li's recent examples of hyperbolic 3-manifolds whose Heegaard genera are strictly greater than the rank of their fundamental groups.

Information: <http://www.math.okstate.edu/~jjohnson/redbud/>.

5-9 **5th International Conference on High Performance Scientific Computing**, Institute of Mathematics, Vietnam Academy of Science and Technology, 18 Hoang Quoc Viet Road, Hanoi, Vietnam. (Dec. 2010, p. 1498)

* 6-10 **Anomalous Statistics, Generalized Entropies, and Information Geometry**, Nara Women's University, Nara City, Japan.

Description: The aim of this workshop is to focus on recent developments on the anomalous statistics in the wide scientific framework. More specifically, nonextensive statistical mechanics in physics and information geometry in mathematics have been recognized to have close theoretical relations. Their collaborations for not only foundations of statistical mechanics but also applications in many fields are strongly expected. Their applications include statistical and information sciences in addition to complex systems in physics, chemistry, economics, geophysics, astrophysics, biology, networks and quantum systems.

Information: <http://sites.google.com/site/next2012nara/home>.

9-10 **International Conference on Advances in Computing and Emerging E-Learning Technologies (ICAC2ET 2012)**, Hotel Marina, Singapore, Singapore. (Jan. 2012, p. 102)

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

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

In general, announcements of meetings and conferences carry only the date, title of meeting, place of meeting, names of speakers (or sometimes a general statement on the program), deadlines for abstracts or contributed papers, and source of further information. If there is any application deadline with respect to participation in the meeting, this fact should be noted. All communications on meetings and conferences

in the mathematical sciences should be sent to the Editor of the *Notices* in care of the American Mathematical Society in Providence or electronically to notices@ams.org or mathcal@ams.org.

In order to allow participants to arrange their travel plans, organizers of meetings are urged to submit information for these listings early enough to allow them to appear in more than one issue of the *Notices* prior to the meeting in question. To achieve this, listings should be received in Providence **eight months** prior to the scheduled date of the meeting.

The complete listing of the Mathematics Calendar will be published only in the September issue of the *Notices*. The March, June/July, and December issues will include, along with new announcements, references to any previously announced meetings and conferences occurring within the twelve-month period following the month of those issues. New information about meetings and conferences that will occur later than the twelve-month period will be announced once in full and will not be repeated until the date of the conference or meeting falls within the twelve-month period.

The Mathematics Calendar, as well as Meetings and Conferences of the AMS, is now available electronically through the AMS website on the World Wide Web. To access the AMS website, use the URL: <http://www.ams.org/>.

10–11 **AMS Southeastern Section Meeting**, University of South Florida, Tampa, Florida. (May 2011, p. 744)

11–14 **Fourth International Conference on Mathematical Sciences, ICM2012**, UAE University, Al-Ain, United Arab Emirates. (Dec 2011, p. 1615)

11–31 **Branching Laws**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Jan. 2012, p. 102)

12–June 15 **Computational Methods in High Energy Density Plasmas**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Mar. 2011, p. 497)

12–16 **AIM Workshop: Classifying fusion categories**, American Institute of Mathematics, Palo Alto, California. (May 2011, p. 744)

12–16 **ICERM Workshop: Global Arithmetic Dynamics**, ICERM, Providence, Rhode Island. (Jun/Jul. 2011, p. 862)

13–14 **International Conference on Internet & Cloud Computing Technology (ICICCT 2012)**, Hotel Marina, Singapore, Singapore. (Jan. 2012, p. 102)

13–16 **Computational Methods in High Energy Density Plasmas: Tutorials**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Feb. 2012, p. 337)

14–16 **IAENG International Conference on Operations Research 2012**, Royal Garden Hotel, Kowloon, Hong Kong. (Sept. 2011, p. 1184)

* 16–17 **LONI Pipeline Training Workshop**, Cincinnati Children's Hospital, 3333 Burnet Avenue, Cincinnati, Ohio.

Description: The LONI Pipeline environment is a free distributed workflow application that enables users to quickly create computational processing protocols, execute these as graphical workflows, monitor the state of their analyses, and broadly disseminate the detailed provenance of data and processing protocols. This workshop will provide hands-on training on remote Pipeline server installation, client-server interfaces, utilization of Grid resources using the distributed Pipeline computational infrastructure, design of new and modification of existent heterogeneous data analysis protocols, sharing of data and pipeline workflows, integration of imaging, demographic and meta-data. The organizers will provide a detailed training handbook and supplementary electronic media with all of the necessary software and test data. Who may be interested in this event? Neuroimaging researchers, computational scientists, bioinformaticians.

Information: <http://pipeline.loni.ucla.edu/training/echmc2012/>.

* 16–18 **ICMMSC2012**, Gandhigram Rural Institute, Deemed University, Dindigul, Tamilnadu/India.

Description: Computational Science is a main pillar of most of the present research, industrial and commercial activities. Logic and Information play a unique role which are the base ideas of day to day human life. In exploiting Information and Communication Technologies as innovative technologies, science relies on the use of these, its controllability according to the human needs. The ICMMSC 2012 is aimed to offer a real opportunity to discuss new issues, tackle complex problems and find advanced enabling solutions able to shape new trends in Computational and Information Sciences

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

* 17 **Bernd Math Day**, University of California, Berkeley, California.

Description: The 24th Bay Area Discrete Math Day in honor of Bernd Sturmfels' 50th birthday (Bernd Math Day) will take place at the University of California, Berkeley, in Evans Hall, Room 10 on Saturday, March 17, 2012, between 9AM and 5PM. There is no registration fee. All are welcomed.

Information: <http://www.msri.org/people/members/chillar/badmathday/>.

17–18 **AMS Eastern Section Meeting**, George Washington University, Washington, District of Columbia. (May 2011, p. 744)

19–21 **Topology: Quantitative and Applied**, Tulane University, New Orleans, Louisiana. (Jan. 2012, p. 102)

22–24 **46th Annual Spring Topology and Dynamics Conference**, Universidad Nacional Autonoma de Mexico, Mexico City, Mexico. (Feb. 2012, p. 337)

24–25 **36th Annual SIAM Southwestern Atlantic Section Conference**, University of Alabama in Huntsville, Huntsville, Alabama. (Sept. 2011, p. 1184)

25–26 **International Conference on Information Technology, System & Management (ICITSM 2012)**, Abu Dubai, United Arab Emirates. (Jan. 2012, p. 102)

25–28 **Conference on Partial Differential Equations and Applications**, Vietnam National University, Hanoi, Vietnam. (Jun/Jul. 2011, p. 862)

* 26–29 **Ischia Group Theory 2012**, Grand Hotel delle Terme Re Ferdinando, Ischia, Naples, Italy.

Description: The meeting will consist of talks given by invited speakers and a permanent poster session. The scientific programme will be dedicated to the memory of Narain D. Gupta on Wednesday and to the memory of James Wiegold on Thursday. Conference proceedings will be published by the University of Isfahan as an Issue or Volume of *International Group Theory Conference*. The social programme will include a welcome cocktail on Monday late afternoon, a recital of classical Neapolitan songs on Tuesday evening, a social trip on Wednesday morning, and the conference dinner on Thursday evening.

Information: <http://www.dipmat.unisa.it/ischiagrouptheory>.

26–30 **AIM Workshop: Cohomological methods in abelian varieties**, American Institute of Mathematics, Palo Alto, California. (Aug. 2011, p. 1012)

26–30 **Computational Challenges in Hot Dense Plasmas**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Feb. 2012, p. 337)

26–30 (NEW DATE) **IMA Workshop: Machine Learning: Theory and Computation**, Institute for Mathematics and its Applications (IMA), University of Minnesota, Minneapolis, Minnesota. (Jan. 2011, p. 85)

26–30 **Statistical Mechanics and Conformal Invariance**, Mathematical Sciences Research Institute, Berkeley, California. (Dec. 2011, p. 1616)

30–31 **Information and Econometrics of Networks**, American University, Washington, District of Columbia. (Mar. 2011, p. 497)

30–31 **International Conference on Human Computer Interaction & Learning Technologies (HCILT 2012)**, Abu Dubai, United Arab Emirates. (Jan. 2012, p. 102)

30–April 1 **AMS Central Section Meeting**, University of Kansas, Lawrence, Kansas. (May 2011, p. 744)

30–April 1 **Around scattering by obstacles and billiards**, University of Aveiro, Aveiro, Portugal. (Dec. 2011, p. 1616)

30–April 1 **Call for Papers: 2012 International Conference on e-Commerce, e-Administration, e-Society, e-Education, and e-Technology**, Hong Kong, Japan. (Dec. 2011, p. 1616)

April 2012

1–4 **The 8th International Conference on Scientific Computing and Applications (SCA2012)**, University of Nevada Las Vegas (UNLV), Las Vegas, Nevada. (Aug. 2011, p. 1012)

2–5 **SIAM Conference on Uncertainty Quantification (UQ12)**, Raleigh Marriott City Center Hotel, Raleigh, North Carolina. (Aug. 2011, p. 1012)

2–6 **AIM Workshop: Vector equilibrium problems and their applications to random matrix models**, American Institute of Mathematics, Palo Alto, California. (Aug. 2011, p. 1013)

4–6 **Advances in Scientific Computing, Imaging Science and Optimization: Stan Osher’s 70th Birthday Conference**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Feb. 2012, p. 338)

8–9 **International Conference on Information Systems, Engineering & Management Science (ICISEMS 2012)**, Hong Kong, Japan. (Jan. 2012, p. 102)

9–13 **AIM Workshop: Nonlinear solvers for high-intensity focused ultrasound with application to cancer treatment**, American Institute of Mathematics, Palo Alto, California. (Nov. 2011, p. 1494)

* 9–14 **Workshop on “Stochastic Analysis and Applications”**, Kasr Kaissar, El Kelaa Mgouna (City of Roses).

Description: The workshop is organized within the framework of the Marie Curie Initial Training Network (ITN). Deterministic and Stochastic Controlled Systems and Applications. (PITN-GA-2008-213841) It focuses on stochastic analysis and related topics including applications in control, finance and insurance. The workshop will be held in Kasr Kaisar El Kala Mgouna. We plan invited talks of 50–60 minutes and contributed talks of 30–45 minutes.

Information: <http://www.ucam.ac.ma/itn-marrakech/event.html>.

13–15 **Underrepresented Students in Topology and Algebra Research Symposium (USTARS)**, University of Iowa, Iowa City, Iowa. (Jan. 2012, p. 102)

* 14–15 **Great Lakes Geometry Conference 2012**, Ohio State University, Columbus, Ohio.

Description: The Great Lakes Geometry Conference is a well established conference series held annually in the Great Lakes region, rotating among different universities.

Aim: The aim of this conference series is to bring together distinguished speakers in a variety of areas in geometry, topology, and mathematical physics.

Topics: The 2012 edition of the Conference will feature topics related to complex geometry, geometric analysis, and mirror symmetry.

Speakers: Bennett Chow (UCSD), Matthew J. Gursky (Notre Dame), Naichung Conan Leung (CUHK), Zhiqin Lu (UC Irvine), Duong Hong Phong (Columbia), Valentino Tosatti (Columbia), Eric Zaslow (Northwestern), Steve Zelditch (Northwestern).

Information: If you plan to attend the conference, please register by sending an e-mail to glgc2011@yahoo.com with your name, title, and affiliation. Partial support is available for graduate students, post docs, and unsupported faculties. Contact the organizers Bo Guan, Hsian-Hua Tseng, Damin Wuat at glgc2011@yahoo.com; http://www.math.osu.edu/~tseng.109/glgc12_main.html.

16–17 **2nd International Conference on E-Learning & Knowledge Management Technology (ICEKMT 2012)**, Hotel Corus, Kuala Lumpur, Malaysia. (Feb. 2012, p. 338)

16–20 **Computational Challenges in Magnetized Plasma**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Feb. 2012, p. 338)

16–20 **ICERM Workshop: Moduli Spaces Associated to Dynamical Systems**, ICERM, Providence, Rhode Island. (Jun/Jul. 2011, p. 862)

18–21 **Fourth Discrete Geometry and Algebraic Combinatorics Conference**, South Padre Island, Texas. (Feb. 2012, p. 338)

19–21 **XIV International Scientific Conference Devoted to the memory of academician M. Kravchuk (1892–1942)**, National Technical University of Ukraine, KPI, Institute of Mathematics of NASU,

National Shevchenko University, National Drahomanov Pedagogical University Kyiv, Ukraine. (Feb. 2012, p. 338)

20–22 **The Fifteenth Riviere-Fabes Symposium on Analysis and PDE**, School of Mathematics, University of Minnesota, Minneapolis, Minnesota. (Sept. 2011, p. 1185)

22–28 **Variational Analysis and Its Applications**, Paseky nad Jizerou, Czech Republic. (Jan. 2012, p. 102)

23–25 **5TH IMA International Conference on Analytical Approaches to Conflict**, Royal Military Academy, Sandhurst, United Kingdom. (Oct. 2011, p. 1324)

23–27 **Spring School in Probability**, Inter-University Center, Dubrovnik, Croatia. (Nov. 2011, p. 1494)

27–28 **International Conference on Web Information System and Computing Education**, Bangkok, Thailand. (Feb. 2012, p. 338)

29–May 2 **4th International Interdisciplinary Chaos Symposium on “Chaos and Complex Systems”**, Antalya, Turkey. (Nov. 2011, p. 1494)

30–May 5 **Random Walks and Random Media**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2011, p. 1013)

May 2012

* 4–10 **Annual Spring Institute on Noncommutative Geometry and Operator Algebras**, Vanderbilt University, Nashville, Tennessee.

Description: The Tenth Annual Spring Institute on Noncommutative Geometry and Operator Algebras will take place at Vanderbilt University under the direction of Vaughan Jones. The topic of this year’s conference/school is “Conformal Field Theory and von Neumann Algebras”.

Information: <http://www.math.vanderbilt.edu/~ncgoa12/>.

7–11 **AIM Workshop: Motivic Donaldson-Thomas theory and singularity theory**, Renyi Institute, Budapest, Hungary. (Oct. 2011, p. 1325)

7–11 **IMA Workshop: User-Centered Modeling**, Institute for Mathematics and its Applications (IMA), University of Minnesota, Minneapolis, Minnesota. (Oct. 2011, p. 1185)

7–11 **Mathematical and Computer Science Approaches to High Energy Density Physics**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Feb. 2012, p. 338)

10–11 **MCAG 2012: Michigan Computational Algebraic Geometry 2012**, Oakland University, Rochester, Michigan. (Dec. 2011, p. 1616)

10–12 **25th Cumberland Conference on Combinatorics, Graph Theory, and Computing**, East Tennessee State University, Johnson City, Tennessee. (Jan. 2012, p. 103)

10–12 **International Conference on Functional Equations and Geometric Functions and Applications (ICFGA 2012)**, Department of Mathematics, Payame Noor University, Tabriz, Iran. (Feb. 2012, p. 338)

14–18 **AIM Workshop: ACC for minimal log discrepancies and termination of flips**, American Institute of Mathematics, Palo Alto, California. (Aug. 2011, p. 1013)

* 14–18 **Microeconometrics with Focus on Panel Data and Discrete Choice: Theory and Practice**, American University, Washington, DC.

Description: Microeconometrics with Focus on Panel Data and Discrete Choice: Theory and Practice, May 14–18 (Monday–Friday), 2012. Instructor: William Greene (NYU). Details to be announced shortly on Info-Metrics Summer Classes web page.

Information: <http://www.american.edu/cas/economics/info-metrics/econometrics.cfm>.

14–25 **School and Workshop on Random Polymers and Related Topics**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Jan. 2012, p. 103)

17–19 **International Conference on “Applied Mathematics and Approximation Theory 2012”**, TOBB University of Economics and Technology, Ankara, Turkey. (Aug. 2011, p. 1013)

17–19 **Symmetries of Differential Equations: Frames, Invariants and Applications. A conference in honor of the 60th birthday of Peter Olver**, University of Minnesota, Minneapolis, Minnesota. (Dec. 2011, p. 1616)

20–22 **SIAM Conference on Imaging Science (IS12)**, Doubletree Hotel Philadelphia, Philadelphia, Pennsylvania. (Sept. 2011, p. 1185)

20–25 **7th European Conference on Elliptic and Parabolic Problems**, Gaeta, Italy. (May 2011, p. 744)

21–25 **AIM Workshop: Contact topology in higher dimensions**, American Institute of Mathematics, Palo Alto, California. (Aug. 2011, p. 1013)

21–25 **CANT 2012—School and Conference on Combinatorics, Automata and Number Theory**, CIRM—Centre International de Rencontres Mathématiques: International center of Mathematical Meetings, Marseille, France. (Jan. 2012, p. 103)

21–25 **Computational Challenges in Warm Dense Matter**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Feb. 2012, p. 338)

* 21–25 **International Topological Conference “Alexandroff Readings”**, Moscow State University, Moscow, Russia.

Description: The conference is traditionally organized at the Moscow State University in honour of P. S. Alexandroff (1896–1982).

Topics: K-Theory, algebraic and geometric topology, toric topology and combinatorics, knot theory, symplectic geometry and topology, dynamics of hamiltonian systems, geometric methods in non-linear equations, geometric variational problems, topological groups and transformation groups, geometric topology, discrete computational geometry, computer geometry, modern differential geometry, set-theoretic topology, dimension theory.

Information: <http://mech.math.msu.su/~manuilov/Alexandroff.html>.

28–June 1 **Workshop on Nonlinear Partial Differential Equations on the occasion of the sixtieth birthday of Patrizia Pucci**, Perugia, Italy. (Jan. 2012, p. 103)

28–June 2 **BALWOIS 2012 Conference (Fifth International Scientific Conference on Water, Climate and Environment**, Ohrid, Macedonia. (Jan. 2012, p. 103)

28–June 3 **International Conference “Theory of Approximation of Functions and its Applications”**, Kamianets-Podilsky Ivan Ohienko National University, Kamianets-Podilsky, Ukraine. (Jun/Jul. 2011, p. 862)

29–June 2 **The 2012 NSF-CBMS Conference on Mathematical Methods of Computed Tomography**, Department of Mathematics, University of Texas at Arlington, Arlington, Texas. (Feb. 2012, p. 339)

* 30–June 1 **ICERM Topical Workshop: Heterostructured Nanocrystalline Materials**, ICERM, Providence, Rhode Island.

Description: The theme of this workshop is the computation, modeling, and mathematical analysis of heterostructured nanocrystalline materials. This includes quantum dots, nanowires, graphene, and grain boundaries. These various phenomena will be discussed in the context of modeling and computation on different scales ranging from density functional theory to continuum mechanics. The workshop will also address various techniques that allow one to combine models on different scales to yield efficient computational methods. **Information:** <http://icerm.brown.edu/tw12-3-hnm>.

30–June 2 **12th Viennese Workshop on Optimal Control, Dynamic Games and Nonlinear Dynamics**, Vienna University of Technology, Vienna, Austria. (Sept. 2011, p. 1186)

* 30–June 6 **Spring School in Nonlinear Partial Differential Equations**, Université Libre de Bruxelles, Brussels, Belgium.

Description: The spring school consists in mini courses given by - Professor Peter A. Markowich, University of Cambridge; Professor Sir John Ball, University of Oxford; Professor Nassif Ghoussoub, University of British Columbia; Professeur Didier Smets, Université Pierre et Marie Curie (Paris 6); Professor Kazunaga Tanaka, Waseda University; Professor Paolo Piccione, Universidade de Sao Paulo; and plenary talks by invited speakers. A Workshop will be held June 2. The participants will have the opportunity to present a short talk. Submission should be done before April 15, 2012.

Information: <http://pde2012.ulb.ac.be/>.

June 2012

1–22 **Financial Time Series Analysis: High-dimensionality, Non-stationarity and the Financial Crisis**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Jan. 2012, p. 103)

3–30 **Clay Mathematics Institute 2012 Summer School “The Resolution of Singular Algebraic Varieties”**, Obergurgl, Tyrolean Alps, Austria. (Jan. 2012, p. 103)

4–8 **BIOCOMP2012 - Mathematical Modeling and Computational Topics in Biosciences**, Hotel Lloyd’s Baia, Vietri sul Mare, Italy. (Jan. 2012, p. 103)

4–8 **Probability, Control and Finance**, Columbia University, New York, New York. (Jan. 2012, p. 104)

6–9 **EUROMECH Colloquium 535 Similarity and symmetry methods in Solid Mechanics**, Varna, Bulgaria. (Dec. 2011, p. 1617)

7–9 **Quantum invariants of 3-manifolds**, Institut de Recherche Mathématique Avancée, University of Strasbourg, France. (Nov. 2011, p. 1494)

8–10 **The International Conference on the Frontier of Computational and Applied Mathematics: Tony Chan’s 60th Birthday Conference**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Feb. 2012, p. 339)

8–13 **38th International Conference “Applications of Mathematics in Engineering and Economics” AMEE’12**, Leisure House of the Technical University of Sofia, Sozopol, Bulgaria. (Jan. 2012, p. 104)

8–13 **XIVth International Conference on Geometry, Integrability and Quantization**, Sts. Constantine and Elena resort (near Varna, Bulgaria). (Dec. 2011, p. 1617)

* 10–16 **Probability and Analysis**, Mathematical Research and Conference Center of the Polish Academy of Sciences, Bedlewo, Poland.

Description: The conference will bring together mathematicians from the areas of Analysis and Probability, in particular those whose works relate to the life-long scientific interests of Professor Stanisław Kwapień. The meeting is in honor of his 70th anniversary.

Information: <http://www.mimuw.edu.pl/~probana1/>.

11–15 **Arrangements in Pyrenees: School and Workshop on “Hyperplane arrangements and related topics”**, Université de Pau et des Pays de l’Adour, Pau, France. (Feb. 2012, p. 339)

* 11–15 **NSF/CBMS Conference: Finite Element Exterior Calculus (FEEC)**, ICERM, Providence, Rhode Island.

Description: FEEC is a recent advance in the mathematics of finite element methods that employs differential complexes to construct stable numerical schemes for several important types of application problems. It has aroused great interest because it both presents interesting mathematical problems and shows great potential for application in computational science and engineering. The concentrated sequence of lectures in this program will provide participants with an understanding of the mathematical tools required to fully grasp the concepts in FEEC. ICERM is pleased to host this NSF-CBMS Regional Research Conference.

Principal speaker: Douglas Arnold, University of Minnesota.

Information: <http://icerm.brown.edu/tw12-2-cbms>.

11–22 **Mathematical Modeling on Ecology and Epidemiology**, University of Wyoming, Laramie, Wyoming. (Jan. 2012, p. 104)

12–15 **5th Chaotic Modeling and Simulation International Conference (CHAOS2012)**, Athens, Greece. (Nov. 2011, p. 1494)

12–15 **“The Incomputable” — A workshop of the 6-month Isaac Newton Institute programme — “Semantics and Syntax: A Legacy of Alan Turing” (SAS)**, Kavli Royal Society International Centre, Chicheley Hall, Newport Pagnell MK16 9JJ, United Kingdom. (Aug. 2011, p. 1013)

* 13–15 **USENIX ATC ‘12: 2012 USENIX Annual Technical Conference**, Sheraton Boston Hotel in Boston, Massachusetts.

Description: USENIX ATC has always been the place to present groundbreaking research and cutting-edge practices in a wide variety of technologies and environments. USENIX ATC ‘12 will be no exception.

Information: <http://www.usenix.org/events/atc12/>.

13–16 **SIAM Conference on Nonlinear Waves and Coherent Structures (NW12)**, The University of Washington, Seattle, Washington. (Sept. 2011, p. 1186)

17–22 **BIOMATH 2012: International Conference on Mathematical Methods and Models in Biosciences**, Bulgarian Academy of Sciences, Sofia, Bulgaria. (Dec. 2011, p. 1617)

18–22 **AIM Workshop: Dynamics of the Weil-Petersson geodesic flow**, American Institute of Mathematics, Palo Alto, California. (Sept. 2011, p. 1186)

18–22 **NSF/CBMS Regional Conference in the Mathematical Sciences: Hodge Theory, Complex Geometry, and Representation Theory**, Texas Christian University, Fort Worth, Texas. (Dec. 2011, p. 1617)

18–23 **Turing Centenary Conference (CiE 2012): How the World Computes**, University of Cambridge, Cambridge, United Kingdom. (Aug. 2011, p. 1013)

18–29 **Noncommutative Algebraic Geometry**, Mathematical Sciences Research Institute, Berkeley, California. (Dec. 2011, p. 1617)

* 18–29 **St. Petersburg School in Probability and Statistical Physics**, Chebyshev Laboratory, St. Petersburg State University, Russia.

Description: The School is devoted to recent advances in probability and statistical physics as well as to classical topics with current increase of activity. It targets graduate students and postdocs, but undergraduate students and advanced researchers are also welcome to attend. We plan four longer courses: Gerard Ben Arous, Alexei Borodin, Yuval Peres, Ofer Zeitouni; as well as mini-courses and talks by Yuri Bakhtin, Sourav Chatterjee, Alice Guionnet, Greg Lawler, Andrei Okounkov (tbc), Mikhail Sodin and others.

Support: We will be able to cover accommodation and possibly travel costs for a number of participants, with priority given to graduate students and recent Ph.D.s. If you are interested in participating, please submit your application with a short CV to: spspsp@chebyshev.spb.ru and provide for a letter of recommendation to be sent to the same address. The applications must be submitted by March 1, 2012 (and by February 12, if you request financial support).

Information: <http://spspsp.chebyshev.spb.ru/>.

18–August 10 **SummerICERM: Geometry and Dynamics**, Institute for Computational and Experimental Research in Mathematics (ICERM), 121 South Main Street, Providence, Rhode Island. (Feb. 2012, p. 339)

18–August 15 **Random Matrix Theory and its Applications II**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Jan. 2012, p. 104)

* 19–22 **Financial Engineering Summer School 2012**, Madrid Stock Exchange, Madrid, Spain.

Description: Analistas Financieros Internacionales and the Centre de Recerca Matemàtica (CRM) present the fifth Financial Engineering Summer School.

Aim: To bring together practitioners and academics working in the area of quantitative finance to learn about issues of current interest from some of the world’s foremost experts.

Topics: The programme will consist of four short courses, each 4.5 hours.

Speakers: Topics in counterparty credit risk, Jon Gregory, Solum Financial; Robust Risk Management, Paul Glasserman, Columbia Business School; An introduction to the longevity risk market, Enrico Biffis, Imperial College Business School; Systemic risk: theory and policy, Jon Danielsson, London School of Economics.

Information: <http://fess.afi.es>.

19–24 **FRG Workshop and Conference on Characters, Liftings, and Types**, American University, Washington, District of Columbia. (Feb. 2012, p. 339)

* 20–24 **International Conference on Applied Analysis and Algebra (ICAAA2012)**, Davutpasa Campus, Yildiz Technical University, Istanbul, Turkey.

Description: Jointly organized by Yildiz Technical University, University Putra Malaysia and Malaysian Mathematical Sciences Society. Send us your abstracts through the online registration form for oral or poster presentations. The talks given by plenary speakers are to be 50 minutes long including a ten minute question session while the talks from the other contributors are to be 20 minutes long including the question session.

Aim: To bring together mathematicians working in the new trends of applications of math in a wonderful city of the world, Istanbul. This conference is dedicated to Professor Ravi P. Agarwal on his 65th birth anniversary. Please note that the conference language is English.

Information: <http://www.ica12.yildiz.edu.tr>.

25–28 **5th Podlasie Conference on Mathematics**, Białystok University of Technology, Białystok, Poland. (Feb. 2012, p. 339)

25–29 **AIM Workshop: Hypergeometric motives**, International Centre for Theoretical Physics, Trieste, Italy. (Nov. 2011, p. 1494)

25–29 **3rd European Seminar on Computing (ESCO 2012)**, Pilsen, Czech Republic. (Nov. 2011, p. 1494)

* 25–29 **The Fourteenth International Conference on “Hyperbolic Problems: Theory, Numerics, Applications” (HYP2012)**, Università di Padova, Italy.

Description: The Fourteenth International Conference on “Hyperbolic Problems: Theory, Numerics and Applications” (HYP2012) will be the XIV meeting in this bi-annual international series, which has the objective of bringing together researchers and students with interests in theoretical and computational aspects of hyperbolic PDEs and of related time-dependent models in the applied sciences. Particular attention will be devoted to the following topics: Singular limits and dispersive equations in mathematical physics, nonlinear wave patterns in multi-dimensions, particle/molecular dynamics, theory and numerics of multiphases and interfaces, transport in complex environments, control problems for hyperbolic PDEs and differential games, general relativity and geometric PDEs.

Information: <http://www.hyp2012.eu>.

25–30 **IVth Workshop on Coverings, Selections, and Games in Topology**, Department of Mathematics, Seconda Università di Napoli, Caserta, Italy. (Jan. 2012, p. 104)

* 27–29 **International Conference on Special Functions and their Applications and Symposium on Life and Works of Ramanujan (Xlth Annual Conference of Society of Special function and their Applications)**, Department of Applied Mathematics and Humanities, S.V. National Institute of Technology, Surat 395 007, Gujarat, India.

Description: The Society for Special Functions and their Applications (SSFA) was founded in 1998 with its headquarter at Jaunpur, India. Later, to facilitate its functioning, the Society was reregistered with headquarters at Lucknow in 1999. The Society has interaction with the SIAM OPSF. Under the agreement the permission has been granted to SSFA for mutual exchange of information between Newsletter of SSFA and SIAM OPSF. The three day Conference is jointly organized by SVNIT, Surat and SSFA. This conference will provide a common platform for interaction, exchange of ideas and latest development in the field of Special Functions and various related fields of Mathematical Physics. The day to day activities during the conference are designed to be interactive, involving sessions like Plenary Lectures, Invited Talks and Paper Presentation Sessions, covering a wide range of topics including Special Functions, Lie Theory, Orthogonal Polynomials, Fractional Calculus, Number Theory, Combinatorics etc.
Information: <http://www.ssfaindia.webs.com/conf.htm>.

* 27–29 **Low dimensional conformal structures and their groups**, Institute of Mathematics, Gdansk University, Gdansk, Poland.

Description: This is a Satellite Workshop of 6th European Congress of Mathematics (ECM 2012 in Krakow) organized in Gdansk (Poland) by Emilio Bujalance (Madrid), Grzegorz Gromadzki (Gdansk) and Ruben Hidalgo (Valparaiso) which will be devoted to compact Riemann surfaces, their automorphisms and generalizations, which include also Fuchsian groups, non-Euclidean crystallographic groups (NEC), Kleinian and Schottky groups, Hecke groups, mapping class groups, Teichmüller and moduli spaces of compact Riemann surfaces, maps and graphs on surfaces and generalizations.
Information: <http://mat.ug.edu.pl/conformal/>.

July 2012

1–5 **9th AIMS conference on Dynamical Systems, Differential Equations and Applications**, Orlando, Florida. (Sept. 2011, p. 1186)

1–7 **Workshop on geometric structures on manifolds and their applications**, Castle Rauschholzhausen near Marburg, Germany. (Nov. 2011, p. 1494)

1–16 **Special Case for Interpolation by Using Bézier Curve Numerically**, Al-Muthana University, College of Science, Department of Mathematics & Computer Applications, Muthana, Iraq. (Feb. 2012, p. 339)

* 2–4 **Superluminal Physics & Instantaneous Physics – as new trends in research (electronic conference)**, University of New Mexico, 200 College Road, Gallup, New Mexico.

Description: In a similar way as passing from Euclidean Geometry to Non-Euclidean Geometry, we can pass from Subluminal Physics to Supraluminal Physics, and further to Instantaneous Physics (instantaneous traveling). In the lights of two consecutive successful CERN experiments with superluminal particles in the Fall of 2011, we believe these two new fields of research should begin developing. A physical law has a form in Newtonian physics, another form in the Relativity Theory, and different forms at Superluminal theory and at Instantaneous (infinite) speeds – according to the S-Denying Theory spectrum. First one extends the physical laws, formulas, and theories to superluminal traveling and to instantaneous traveling. Afterwards one finds a general theory that unites all theories: at law speeds, relativistic speeds, superluminal speeds, and instantaneous speeds – as in the S-Multispace Theory.

Deadline: Papers should be sent by July 1, 2012, to Professor Florentin Smarandache at smarand@unm.edu.

Information: <http://fs.gallup.unm.edu/Superluminal-Physics.htm>.

2–6 **12th International Conference on p-Adic Functional Analysis**, University of Manitoba, Winnipeg, Canada. (Dec. 2011, p. 1618)

2–6 **Model Theory in Algebra, Analysis and Arithmetic**, Cetraro, Italy. (Jan. 2012, p. 104)

2–7 **24th Conference in Operator Theory**, West University, Timisoara, Romania. (Nov. 2011, p. 1495)

* 2–20 **RTG Summer School on Inverse Problems & Partial Differential Equations**, University of Washington, Seattle, Washington.

Description: The Research Training Group in the Department of Mathematics at the University of Washington will host a summer school for advanced undergraduates and beginning graduate students on Inverse Problems & Partial Differential Equations. Students will attend lectures in the morning and problem sessions in small groups with mentors in the afternoon. On-campus accommodation and meals will be provided, plus a travel allowance of up to \$600. Two mini-courses will be given: “The Radon transform and the X-Ray Transform” (Robin Graham, Peter Kuchment, and Leonid Kunyansky) and “A mathematical approach to cancer growth” (John Lowengrub, Ami Radunskaya, and Tatiana Toro).

Registration: Apply online by April 1. (The Summer School is supported by an NSF Research Training Grant. Support is restricted to U.S. citizens/permanent residents. Applications from international students may be considered, but see link for details regarding their support.)

Information: <http://www.math.washington.edu/ipde/summer/>.

3–5 **2nd International Conference on Mathematical Applications in Engineering 2012, ICMAE'12**, Kuala Lumpur, Malaysia. (Dec. 2011, p. 1618)

4–6 **The 2012 International Conference of Applied and Engineering Mathematics**, Imperial College London, London, United Kingdom. (Jan. 2012, p. 104)

* 4–6 **Numerical Software: Design, Analysis and Verification**, Universidad de Cantabria, Santander, Spain.

Description: The workshop aims to review and discuss recent advances and research trends in the design, analysis and verification of numerical software. The workshop is opened to computational scientists and mathematicians with interest in different areas of numerical software. Selected contributions will be invited for a special issue of the journal “Science of Computer Programming”.

Deadlines: Contributed session proposals: February 1, 2012. Abstracts for contributed talks and posters: April 1, 2012.

Information: <http://personales.unican.es/segurajj/numsoft12>.

4–6 **Workshop: Statistical Inference in Complex/High-Dimensional Problems**, University of Vienna, Vienna, Austria. (Jan. 2012, p. 104)

8–11 **Trends in Set Theory**, Stefan Banach International Mathematical Center, Warsaw, Poland. (Dec. 2011, p. 1618)

8–15 **International Conference on Wavelets and Applications**, Euler International Mathematical Institute, St. Petersburg, Russia. (Jan. 2012, p. 105)

9–11 **Third Workshop on Mathematical Cryptology**, International Centre for Mathematical Meetings (CIEM), Castro Urdiales (Cantabria), Spain. (Jan. 2012, p. 105)

9–13 **Additive Combinatorics in Paris 2012 — Combinatoire Additive à Paris 2012**, Institut Henri Poincaré, Paris, France. (Jan. 2012, p. 105)

9–13 **EVEQ 2012: International Summer School on Evolution Equations**, Prague, Czech Republic. (Jan. 2012, p. 105)

9–15 **The 10th International Conference on Fixed Point Theory and its Applications (ICFPTA-2012)**, Faculty of Mathematics and Computer Science, Babes, Bolyai University, Cluj-Napoca, Romania. (Jun/Jul. 2011, p. 862)

9–20 **Mathematical General Relativity**, Mathematical Sciences Research Institute, Berkeley, California. (Dec. 2011, p. 1618)

9–27 **Graduate Summer School: Deep Learning, Feature Learning**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Feb. 2012, p. 339)

10–14 **3Quantum: Algebra, Geometry, Information**, Tallinn University of Technology, Tallinn, Estonia. (Feb. 2012, p. 340)

11–13 **Third International Conference on Symbolic Computation and Cryptography**, International Centre for Mathematical Meetings (CIEM), Castro Urdiales (Cantabria), Spain. (Jan. 2012, p. 105)

16–December 21 **Topological Dynamics in the Physical and Biological Sciences**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (April 2011, p. 629)

16–18 **SING8: 8th Spain-Italy-Netherlands Meeting on Game Theory**, Institute of Economics, Hungarian Academy of Sciences and Corvinus University, Budapest, Hungary. (Nov. 2011, p. 1495)

* 16–20 **CRM Conference on Applications of Graph Spectra in Computer Science**, CRM, Barcelona, Spain.

Description: The spectra of matrices associated with a network are widely used to characterize its properties and to extract structural information. Applications of graph spectral methods may be easily found in combinatorial optimization (e.g., Goemans-Williamson MAXCUT algorithm), computer science (e.g., spectral clustering, expander graphs, pattern recognition) or complex networks (e.g., web page ranking, synchronization, epidemic thresholds). The aim of this conference is to bring together the diverse collection of researchers from graph theory, computer science and complex networks, who are interested in the theory and applications of graph spectra to discuss current trends and future directions in this area. The conference is expected to provide cross-fertilization of ideas, create more awareness among disparate groups of researchers and foster an increase in collaborations between theory- and application-oriented studies.
Information: <http://www.crm.es/Activitats/Activitats/2011-2012/GraphSpectra/web-graphspectra/>.

17–27 **The 5th Mathematical Society of Japan Seasonal Institute, 2012 International Summer School and Conference on Schubert Calculus**, Osaka City University, Osaka, Japan. (Jan. 2012, p. 105)

22–27 **Vibration and structural acoustics measurement and analysis**, Universidade do Porto, Porto, Portugal. (Oct. 2011, p. 1325)

23–27 **Algebraic Topology: applications and new directions Stanford Symposium 2012**, Stanford University, Palo Alto, California. (Oct. 2011, p. 1325)

23–August 3 **Model Theory**, Mathematical Sciences Research Institute, Berkeley, California. (Dec. 2011, p. 1618)

* 23–August 3 **Poisson 2012: Poisson Geometry in Mathematics and Physics (Summer School and Conference)**, Utrecht University, Utrecht, The Netherlands.

Description: This will be a 2-week event: the first week is a “Summer School”, and the second one is a “Conference”. This is the 8th event of a series of biennial meetings that started in 1998 (see <http://poissongeometry.org/>). For more information (list of speakers, poster, etc), please consult: <http://www.uu.nl/poisson2012>. For junior participants, we plan to offer financial assistance towards living expenses.

Important Deadlines: General registration deadline: June 15, 2012, financial support deadline: May 14, 2012 (but we very strongly encourage early applications).

Organizing committee: Marius Crainic (chair), Eckhard Meinrenken (chair of the scientific committee).

Information: <http://www.uu.nl/poisson2012>.

23–August 17 **Spectral Theory of Relativistic Operators**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Sept. 2011, p. 1187)

* 27–August 5 **Summer School and Workshop on Cohomology and Support in Representation Theory and Related Topics**, University of Washington, Seattle, Washington.

Description: The theme of this two-week event will be a survey of the state of the art in the use of cohomology and support in the study of representation theory, commutative algebra, triangulated categories, and various related topics. The first week (July 27–30) will be a preparatory summer school intended for graduate students and recent doctoral students. The summer school will consist of three mini-courses on (1) Descent techniques in modular representation theory by P. Balmer (UCLA); (2) Modules of constant Jordan type and vector bundles on projective spaces by D. Benson (Univ. of Aberdeen); and (3) Commutative algebra for modular representations of finite groups by S. Iyengar (Univ. of Nebraska, Lincoln). The second week (August 1–5) will be a workshop consisting of talks on the latest developments in the field.

Funding/deadline: Funding is available to support the participation of graduate students and recent doctoral students. The deadline to apply for funding is March 19, 2012.

Information: <http://www.math.washington.edu/~pischool/>.

30–August 3 **The 24th International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC.12)**, Nagoya University, Nagoya, Japan. (Nov. 2011, p. 1495)

30–August 3 **Iwasawa 2012**, Heidelberg University, Heidelberg, Germany. (Feb. 2011, p. 336)

* 30–August 3 **Variational Methods for Evolving Objects**, Room 3-309, Faculty of Science Building #3, Hokkaido University, Sapporo, Japan.

Description: The purpose of the workshop is to bring together leading experts and researchers working on various aspects of non-smooth solutions of important nonlinear partial differential equations describing evolving shape and pattern. The fields which will be covered are the theory of viscosity solutions, variational analysis, asymptotic analysis, real analysis and stochastic analysis. The participants are expected to have an overview of up-to-date status of research on the respective subject. There will be a poster session during the workshop, which will provide an ideal platform for young researchers to interact with senior scientists.

Organizers: L. Ambrosio (Pisa), Y. Giga (Tokyo), P. Rybka (Warsaw), Y. Tonegawa (Sapporo).

Course Lecturers: L. Ambrosio (Pisa), Y. Brenier (Nice), R. Jerrard (Toronto).

Invited Speakers: A. Chambolle (Palaiseau), K. Ecker (Berlin) - to be confirmed, W. Gangbo (Atlanta), P. Guidotti (Irvine), P. Mucha (Warsaw), M. Novaga (Padova), D. Pallara (Lecce), N. Wickramasekera (Cambridge).

Information: Interested graduate students and post-doctoral research fellows should contact cri@math.sci.hokudai.ac.jp for further inquiries; http://www.math.sci.hokudai.ac.jp/sympo/120730/index_en.html.

30–August 11 **Workshop and Conference on Holomorphic Curves and Low-Dimensional Topology**, Stanford University, Palo Alto, California. (Jan. 2012, p. 105)

August 2012

6–8 **The Sixth Global Conference on Power Control and Optimization PCO 2012**, Monte Carlo Resort and Casino, Las Vegas, Nevada. (Oct. 2011, p. 1187)

6–11 **XVII International Congress on Mathematical Physics (ICMP12)**, Aalborg Kongress og Kultur Center, Europa Plads 4, 9000 Aalborg, Denmark. (Aug. 2011, p. 1013)

* 8–10 **21st USENIX Security Symposium (USENIX Security '12)**, Hyatt Regency Bellevue in Bellevue, Washington.

Description: The USENIX Security Symposium brings together researchers, practitioners, system administrators, system programmers, and others interested in the latest advances in the security of computer systems and networks. The Symposium will span three days, with a technical program including refereed papers, invited talks, posters, panel discussions, and Birds-of-a-Feather sessions. Workshops will precede the symposium on August 6 and 7. Colocated workshops include: 5th Workshop on Cyber Security Experimentation and Test (CSET'12), 3rd USENIX Workshop on Health Security and Privacy (HealthSec '12)

Information: <http://www.usenix.org/events/sec12/>.

13–26 **Meeting the Challenges of High Dimension: Statistical Methodology, Theory, and Applications**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Jan. 2012, p. 105)

20–24 **AIM Workshop: Invariants in convex geometry and Banach space theory**, American Institute of Mathematics, Palo Alto, California. (Aug. 2011, p. 1013)

20–24 **Spectral Theory and Differential Equations**, B. Verkin Institute for Low Temperature Physics & Engineering, V. Karazin Kharkiv National University, Kharkiv, Ukraine. (Dec. 2011, p. 1618)

20–December 21 **Cluster Algebras Program**, Mathematical Sciences Research Institute, Berkeley, California. (Oct. 2011, p. 1325)

22–24 **Connections for Women: Discrete Lattice Models in Mathematics, Physics, and Computing**, Mathematical Sciences Research Institute, Berkeley, California. (Dec. 2011, p. 1619)

* 27–30 **PADGE 2012: Conference on Pure and Applied Differential Geometry**, Department of Mathematics, K. U. Leuven, Belgium.

Description: Conference on differential geometry, Special topics: Minimal submanifolds, Lagrangian submanifolds and related topics, affine differential geometry, Lorentzian geometry

Information: <http://wis.kuleuven.be/Events/padge2012>.

27–31 **8th International Symposium on Geometric Function Theory and Applications**, Ohrid, Republic of Macedonia. (Feb. 2012, p. 340)

27–September 7 **Joint Introductory Workshop: Cluster Algebras and Commutative Algebra**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2011, p. 1013)

* 29–September 2 **Semigroups and Applications**, Department of Mathematics, Uppsala University, Uppsala, Sweden.

Invited Speakers: James East (University of Western Sydney), Victoria Gould (University of York), Mark Kambites (University of Manchester), Ganna Kudryavtseva (University of Ljubljana), Mark Lawson (Heriot-Watt University), Stuart Margolis (Bar Ilan University), László Márki (Hungarian Academy of Sciences), Nik Ruskuc (University of St. Andrews), Benjamin Steinberg (City College of New York), Rick Thomas (University of Leicester), Mikhail Volkov (Ural Federal University).

Contact: email: semi2012@math.uu.se.

Organizer: Volodymyr Mazorchuk.

Deadline: June 15, 2012.

Information: <http://www.math.uu.se/Semi2012/>.

September 2012

3–7 **International Conference on Differential-Difference Equations and Special Functions**, University of Patras, Patras, Greece. (Aug. 2011, p. 1014)

* 3–7 **1st International Conference on Mathematical Sciences and Applications (IECMSA)**, Prishtine University, Prishtine, Kosovo.

Description: The goal of the conference is to contribute to the development of mathematical sciences and its applications and to bring the mathematics community, interdisciplinary researchers, educators, mathematicians, statisticians and engineers from all

over the world. The conference will present new results and future challenges, in series invited and short talks, poster presentations. The presentations can be done in the language of Albanian, Turkish and English. Also, original, unpublished papers are invited for presentation in the conference IECMSA. All presented paper's abstracts will be published in the conference proceeding. Moreover, selected and peer review articles will be published in the following journals: *Applied and Computational Mathematics* (SCI), *TWMS Journal of Pure and Applied Mathematics*, *TWMS Journal of Applied and Engineering Mathematics*, *International Electronic Journal of Geometry, Mathematical Sciences and Applications*, *e-Notes*. Looking forward to see you in IECMSA.

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

5–7 **ICERM Semester Program: Computational Challenges in Probability**, ICERM, Providence, Rhode Island. (Jan. 2012, p. 106)

* 5–9 **Lie Algebras and Applications**, Uppsala University, Uppsala, Sweden.

Invited speakers: Peter Fiebig (Universität Erlangen-Nürnberg), Maria Gorelik (Weizmann Institute), Jonas Hartwig (Stanford University), Daniel Nakano (University of Georgia), Maxim Nazarov (University of York), Ivan Penkov (Jacobs University Bremen), Alistair Savage (University of Ottawa), Vera Serganova (University of California at Berkeley), Eric Vasserot (Université Paris VII), Weiqiang Wang (University of Virginia), Geordie Williamson (MPIM Bonn), Kaiming Zhao (Wilfrid Laurier University).

Organizer: Volodymyr Mazorchuk.

Registration: Deadline: June 15, 2012.

Information: email: lie2012@math.uu.se. <http://www.math.uu.se/Lie2012/>.

10–12 **3rd IMA Conference on Numerical Linear Algebra and Optimisation**, University of Birmingham, United Kingdom. (Feb. 2012, p. 340)

10–December 14 **Materials Defects: Mathematics, Computation and Engineering**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California. (Oct. 2011, p. 1325)

* 12–14 **Algebra Geometry and Mathematical Physics – 8th workshop – Brno 2012**, Faculty of mechanical engineering, Brno University of Technology, Czech Republic.

Description: AGMP is the traditional scientific meeting on contemporary topics in Algebra, Geometry and Mathematical Physics, with an emphasis on the interface between them. The aim of the conference is to bring together researchers in these disciplines. The meeting is organized in Brno, the city in the geographical center of Europe. All participants are encouraged to present a contributed talk. The proceedings of the conference is planned to be published as a special number of an established journal.

Information: <http://agmp.eu/brno12/general.php>.

17–21 **ICERM Workshop: Bayesian Nonparametrics**, ICERM, Providence, Rhode Island. (Jan. 2012, p. 106)

* 19–25 **ICNAAM2012: 3rd Symposium on Semigroups of Linear Operators and Applications**, Kypriotis Hotels and Conference Center, Kos, Greece.

Description: The 3rd Symposium on Semigroups of Linear Operators and Applications brings together researchers from all over the world to present new results in the theory of semigroups of linear operators and its applications. Besides scheduling talks from established mathematicians, we will give opportunity to junior researchers to present their works.

Information: http://www.fih.upt.ro/personal/dan.lemle/conferinta/Lemle_Simpozion_2012.pdf.

20–22 **Lie and Klein; the Erlangen program and its impact on mathematics and physics**, Institut de Recherche Mathématique Avancé, University of Strasbourg, France. (Nov. 2011, p. 1495)

22–23 **AMS Eastern Section Meeting**, Rochester Institute of Technology, Rochester, New York. (Sept. 2011, p. 1187)

October 2012

1–5 **New trends in Dynamical Systems**, Salou, Catalonia, Spain. (Feb. 2012, p. 340)

1–April 30 **Semester on Curves, Codes, Cryptography**, Sabanci University, Istanbul, Turkey. (Feb. 2012, p. 340)

2–4 **SIAM Conference on Mathematics for Industry: Challenges and Frontiers (MI12)**, The Curtis, A Doubletree by Hilton, Denver, Colorado. (Aug. 2011, p. 1014)

3–6 **International Conference on Applied and Computational Mathematics (ICACM)**, Middle East Technical University (METU), Ankara, Turkey. (Oct. 2011, p. 1325)

8–12 **ICERM Workshop: Uncertainty Quantification**, ICERM, Providence, Rhode Island. (Jan. 2012, p. 106)

13–14 **AMS Southeastern Section Meeting**, Tulane University, New Orleans, Louisiana. (Aug. 2011, p. 1014)

20–21 **AMS Central Section Meeting**, University of Akron, Akron, Ohio. (Aug. 2011, p. 1014)

* 24–26 **International Conference in Modeling Health Advances 2012**, San Francisco, California.

Description: The conference ICMHA'12 is held under the World Congress on Engineering and Computer Science WCECS 2012. The WCECS 2012 is organized by the International Association of Engineers (IAENG), a non-profit international association for the engineers and the computer scientists. The congress has the focus on the frontier topics in the theoretical and applied engineering and computer science subjects. The last IAENG conference attracted more than five hundred participants from over 30 countries. All submitted papers will be under peer review and accepted papers will be published in the conference proceeding (ISBN: 978-988-19251-6-9). The abstracts will be indexed and available at major academic databases.

Deadline: Draft Paper Submission Deadline: July 2, 2012.

Information: <http://www.iaeng.org/WCECS2012/ICMHA2012.html>.

27–28 **AMS Western Section Meeting**, University of Arizona, Tucson, Arizona. (Aug. 2011, p. 1014)

29–November 2 **ICERM Workshop: Monte Carlo Methods in the Physical and Biological Sciences**, ICERM, Providence, Rhode Island. (Jan. 2012, p. 106)

November 2012

9–10 **Blackwell Tapia Conference 2012**, Institute for Computational and Experimental Research in Mathematics (ICERM), 121 South Main Street, Providence, Rhode Island. (Feb. 2012, p. 340)

* 17 **Info-Metrics and Nonparametric Inference**, University of California Riverside, Riverside, California.

Description: The one-day conference is organized jointly by the Info-Metrics Institute, American University, and the Department of Economics of University of California, Riverside. Interest in nonparametric estimation and inference goes back half a century but has rapidly increased recently (especially with recent advances in computing power) with many new directions of research that cover a vast range of applications in different disciplines. Ongoing research on information-theoretic estimation and inference methods is similarly inter-disciplinary, involving information theory, engineering, mathematical statistics, econometrics and the natural sciences. This one-day conference will explore recent advances in the area of nonparametric estimation and inference and in info-metrics, which may help current and future research combining nonparametric procedures with information-theoretic methods. For more information, please visit our Info-Metrics Institute web page.

Information: <http://www.american.edu/cas/economics/info-metrics/workshop/workshop-2012-november.cfm>.

December 2012

10–14 **36ACCMCC—The 36th Australasian Conference on Combinatorial Mathematics and Combinatorial Computing**, University of New South Wales, Sydney, Australia. (Feb. 2012, p. 340)

16–22 **Commutative rings, Integer-valued polynomials and Polynomial functions**, Graz University of Technology, Graz, Austria. (Nov. 2011, p. 1495)

17–20 **9th IMA International Conference on Mathematics in Signal Processing**, Austin Court, Birmingham, United Kingdom. (Nov. 2011, p. 1495)

17–21 **International Conference on the Theory, Methods and Applications of Nonlinear Equations**, Department of Mathematics, Texas A&M University-Kingsville, Kingsville, Texas. (Feb. 2012, p. 340)

27–30 **Eighth International Triennial Calcutta Symposium on Probability and Statistics**, Department of Statistics, Calcutta University, Kolkata, West Bengal, India. (Nov. 2011, p. 1495)

January 2013

7–12 **Iwasawa Theory, Representations, and the p-adic Langlands program**, University of Münster, Münster, Germany. (Jan. 2012, p. 106)

14–May 24 **Noncommutative Algebraic Geometry and Representation Theory**, Mathematical Sciences Research Institute, Berkeley, California. (Oct. 2011, p. 1325)

24–25 **Connections for Women: Noncommutative Algebraic Geometry and Representation Theory**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2011, p. 1014)

28–February 1 **Introductory Workshop: Noncommutative Algebraic Geometry and Representation Theory**, Mathematical Sciences Research Institute, Berkeley, California. (Aug. 2011, p. 1014)

28–May 3 **ICERM Semester Program: Automorphic Forms, Combinatorial Representation Theory and Multiple Dirichlet Series**, ICERM, Providence, Rhode Island. (Jan. 2012, p. 106)