Please submit conference information for the Mathematics Calendar through the Mathematics Calendar submission form at [http://www.ams.org/cgi-bin/mathcal-submit.pl](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/](http://www.ams.org/mathcal/).

**October 2012**

* 4–6 The Ninth Mississippi State—UAB Conference on Differential Equations & Computational Simulations, Mississippi State University, Starkville, Mississippi.

**Description:** This interdisciplinary conference will provide a joint forum where mathematicians, scientists and engineers from industries, federal laboratories and academia can exchange research and development ideas. An overall goal of this conference is to promote research and education in mathematical and computational analysis of theoretical and applied differential equations. In addition to the ten principal lectures, there will be sessions for twenty-minute contributed talks. This conference will also be dedicated to Alfonso Castro in celebration of his 62nd birthday and his outstanding contributions to differential equations. Conference participants are encouraged to submit full length manuscripts after the conference. Reviewed manuscripts will be published as a special issue of the *Electronic Journal of Differential Equations*.

**Deadlines:** Pre-registration deadline is August 31, 2012. Abstracts for contributed papers should be submitted electronically no later than August 31, 2012.

**Information:** [http://www.ccs.msstate.edu/deconf/de2012/](http://www.ccs.msstate.edu/deconf/de2012/).

* 12–14 Istanbul Workshop on Teichmüller Theory, Galatasaray University, Istanbul, Turkey.

**Description:** This is a workshop on Teichmüller theory. Sessions are devoted to talks by researchers.

**Aim:** The aim of the event is to share new results around the geometry of various Teichmüller spaces.

**Information:** [http://math.gsu.edu.tr/2012iwtt.html](http://math.gsu.edu.tr/2012iwtt.html).

**November 2012**


**Description:** The field of optimization has found numerous applications in science, engineering, economics, finance, and risk management. The optimization research has achieved much progress recently in theory, algorithms and applications. Yet, exciting new developments continue to emerge at a speed that has never been seen in the history of optimization.


* 13–17 DIMACOS ’12: International Conference on Discrete Mathematics and Computer Science, Lebanese University, Faculty of Science I, EDST, Beirut, Lebanon.

**Description:** 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/](http://www.ams.org/).
**December 2012**

* 6–8 Thailand-Japan Joint Conference on Computational Geometry and Graphs TJJCCGG2012, Department of Mathematics, Sri-nakharinwirot University, Bangkok, Thailand.
  
  **Description:** Call for Papers TJJCCGG 2012 is mainly intended to provide a forum for researchers working in computational geometry, graph theory/algorithms and their applications. Original research papers in these areas and their applications are sought. Applied and experimental papers are expected to show convincingly the usefulness and efficiency of algorithms discussed in a practical setting.

  **Topics:** Include but are not limited to: Computational geometry, discrete geometry, graph algorithms, graph theory and their applications. Following the style of past conferences, the post-conference proceedings of TJJCCGG2012 will be published by Springer as a volume of the series Lecture Notes in Computer Science.

  **Plenary Speakers:** Janos Pach (NYU, USA) Saad El-Zanati (ISU, USA) Jorge Urrutia (UNAM, Mexico), Erik Demaine (MIT, USA), Toshinori Sakai (Tokai University, Japan), Mikio Kano (Ibaraki, Japan).


* 17–22 The Legacy of Srinivasa Ramanujan–An International Conference, University of Delhi, Delhi, India.
  
  **Description:** An International Conference in mathematics being organized by the University of Delhi as a commemoration of the National Mathematics Year in India.

  **Information:** [http://www.legacyoframanujan.com](http://www.legacyoframanujan.com).

**January 2013**

* 14–February 1 Winter School on Mathematical Physics, Universidad Nacional Autónoma de México, Mexico City, Mexico.
  
  **Description:** The aim of the school is to give introductory lectures on recent trends and methods in mathematical physics. There will be mini-courses on spectral theory of operators, quantum optics and quantum information theory. The Winter School on Mathematical Physics will be held from January 14–February 1, 2013 on the premises of the Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas (IIMAS); [http://www.iimas.unam.mx](http://www.iimas.unam.mx), located in the main campus of the Universidad Nacional Autónoma de México (UNAM); [http://www.unam.mx/](http://www.unam.mx/).

  **Invited Lecturers:** Robert Alicki, University of Gdańsk (Poland), Marc Bienert, Universität des Saarlandes (Germany), César R. De Oliveira, Universidade Federal de São Carlos (Brazil), Jan Janas, Instytut Matematyczny Polskiej Akademii Nauk (Poland).

  **Organizers:** Ricardo Weder (Chairman), Pablo Barberis, Rafael del Río, Juan Manuel García-Islas. Luis O. Silva of the school is to give introductory lectures on recent trends and methods in mathematical physics.

  **Registration:** To attend the Winter School is open.

  **Information:** [http://leibniz.iimas.unam.mx/~wsmph/index.html](http://leibniz.iimas.unam.mx/~wsmph/index.html).

**February 2013**

* 4–March 15 Doc-course on Complex Analysis and Related Areas, Universities of Seville and Málaga, Spain.
  
  **Description:** This is a six-week intensive school (what we call a Doc-course) on complex analysis and related areas. The aim of the program is to provide to the participant students (30 maximum) background and research skills in several areas of analysis of current interest. Our intention is to facilitate a quick transition from basic concepts to open problems in the areas of interplay between complex and harmonic analysis, operator theory, geometric function theory and mathematical physics. The Doc-course will start on February 4, 2013: four weeks of courses in Seville (one week of introductory courses and three weeks for the six main courses) and a workshop (at the end) in Málaga where the participants will have the opportunity to report on the work made during the whole course.

  **Speakers:** The main courses will be delivered by A. Aleman, W. Bergweiler, E. Saksman, X. Tolsa, A. Vasiliev, and D. Yu. Kottovic.

  **Funding:** There will be a number of grants available; we hope to fund at least 15 students.

  **Information:** [http://www.imus.us.es/bara13/](http://www.imus.us.es/bara13/).

* 11–17 (NEW DATE) Representation Theory, Homological Algebra, and Free resolutions, Mathematical Sciences Research Institute, Berkeley, California.
  
  **Description:** The workshop will focus on recent breakthroughs in understanding and applications of free resolutions and on interactions of commutative algebra and representation theory, where algebraic geometry often appears as a third player. A specific goal is to stimulate further interaction between these fields.

  **Information:** [http://www.msri.org/web/msri/scientific/workshops/all-workshops/show/-/event/W8999](http://www.msri.org/web/msri/scientific/workshops/all-workshops/show/-/event/W8999).

**March 2013**

* 4–8 Forty-Fourth Southeastern International Conference on Combinatorics, Graph Theory and Computing, Florida Atlantic University, Boca Raton, Florida.
  
  **Description:** Celebrating its 44th year, the Conference continues in the spirit of earlier conferences in Baton Rouge and Boca Raton. It brings together mathematicians and others interested in combinatorics, graph theory and computing, and their interactions. The Conference lectures and contributed papers, as well as the opportunities for informal conversations, have proved to be of great interest to other scientists and analysts employing these mathematical sciences in their professional work.

  **Confirmed speakers:** For our 44th Conference, we shall have a program of exceptional invited speakers: Ronald Gould, Ivelisse Rubio, Bruce Sagan, and Douglas West.

  **Organizers:** The organizing committee cordially invites participation in our Conference by interested persons in the academic community as well as business, industry and government. The 44th Conference is partially supported by the National Security Agency.

  **Information:** [http://www.math.fau.edu](http://www.math.fau.edu).

**April 2013**

* 26 Philosophy of Information: The Value of Information, American University, Washington, DC.
  
  **Description:** The overall objective of this workshop is to study some of the open questions within philosophy of information with an emphasis on the study of the value of information and the philosophy of information processing.
June 2013

* 3–July 12 Nonlinear expectations, stochastic calculus under Knightian uncertainty, and related topics, Institute for Mathematical Sciences, National University of Singapore, Singapore.

**Description:** This program will be focusing on, but not limited to, the following two areas: 1) Nonlinear expectations, backward stochastic differential equations and path-dependent PDE; 2) Nonlinear expectations, risk measures and robust controls. These areas form the substance of 3 workshops in the 6-weeks-long program. There will also be a series of tutorial lectures and ample opportunities for discussions. The program is intended for leading researchers working in these areas to exchange ideas and hopefully to inspire new mathematical concepts and results. It is also intended to bring young researchers and investment banking practitioners in the related quantitative areas to the frontier of this fascinating area. Activities 1. Workshop on Knightian uncertainty and backward stochastic differential equations: June 10–14, 2013. 2. Workshop on quantitative finance: June 20–21, 2013. 3. Workshop on Knightian uncertainty and risk measures: July 1–5, 2013.

**Information:** http://ims.nus.edu.sg/Programs/013wnlinear/index.php.

* 22–29 Physics and Mathematics of Nonlinear Phenomena 2013, Hotel Le Sirene, Gallipoli, South of Italy.

**Description:** The conference, organized by members of the Dipartimento di Matematica e Fisica “E. De Giorgi”, follows the long established tradition of the Nonlinear Physics meetings organized by the research group on Integrable Systems of Università' del Salento and held in Gallipoli (Lecce, Italy).

**Topics:** Continuous and discrete, classical and quantum integrable systems; Hamiltonian, critical and geometrical structures of nonlinear integrable equations of mathematical physics; Integrable systems in quantum field theory and matrix models; Mathematical models of nonlinear phenomena in physics; applications of nonlinear integrable systems in physics.

**Scientific Committee:** F. Calogero, B. Dubrovin, Y. Kodama, F. Magri, V. Zakharov.

**Organizing Committee:** M. Beccaria, B. Konopelchenko, G. Landolfi, L. Martina, R. Vitolo.

**Information:** http://pmnp2013.dmf.unisalento.it/.

July 2013

* 1–4 2nd IMA Conference on Dense Granular Flows, Isaac Newton Institute of Mathematical Sciences, Cambridge, United Kingdom.

**Description:** Themes will include dense granular flow, biological systems, self-propelled particles and geological flows, exploring new developments in theoretical analysis and experimental techniques. All attendees will be provided with an opportunity to present recent work and there will be substantial time for discussion, both during the workshop and during the evening! Postgraduate and Ph.D. students are particularly welcomed and oral presentations will reflect the breadth of the field.

**Information:** http://www.ima.org.uk/conferences/conferences_calendar/dense_granular_flows.cfm.

* 1–5 Preconditioning of Iterative Methods—Theory and Applications 2013 (PIM 2013), Faculty of Civil Engineering, Czech Technical University in Prague, Czech Republic.

**Description:** The conference is in honor of Ivo Marek, a distinguished scientist interested mainly in numerical and functional analysis, on the occasion of his 80th birthday.

**Themes:** The main themes of the conference are (i) preconditioning of sparse matrix problems, symmetric or non-symmetric, arising in large-scale real applications; (ii) multilevel preconditioning techniques, including multigrid, algebraic multilevel, and domain decomposition methods for partial differential equations; (iii) multilevel solution of characteristics of Markov chains. The aim of this conference is to bring together specialists from these different fields of numerical analysis with complementary views and to stimulate interaction.

**Information:** http://pim13.fsv.cvut.cz.

The following new announcements will not be repeated until the criteria in the next to the last paragraph at the bottom of the first page of this section are met.

December 2013


**Description:** The conference will feature advances in mathematical science and technology presented by leading African and international researchers. The conference will provide the opportunity to showcase research in mathematics, theoretical physics and information science and technology to engender dialogue and collaboration between Egyptian and international researchers. The conference is part of a series of conferences dedicated to bringing top scientists and technologists to Egypt thereby helping to raise Egyptian science and technology to the highest international standard, raise awareness of governments and industry in Egypt of the importance and excitement of new research and development in technologies, and engender collaborations and research exchanges.

**Grants:** Some grants for young and early stage researchers are available.

**Information:** http://conf.naturalspublishing.com/.