

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/>.

October 2014

* 3–6 **19th Annual Cum 4th International Conference of Gwalior Academy of Mathematical Sciences (GAMS) on Advances in Mathematical Modeling to Real World Problems**, Department of Applied Mathematics & Humanities, Sardar Vallabhbhai National Institute of Technology, Surat- 395007, Gujarat, India.

Topics to be covered: Mathematical biology, heat and mass transfer, computational fluid dynamics, fluid flow through porous media, population dynamics, air and water pollution, financial mathematics, data mining, neural networks and artificial intelligence, operations research, industrial mathematics, special function, differential equations, numerical analysis, applied analysis, bioinformatics and other allied topics.

Important Dates: Last date of abstract submission: August 5, 2014. Notification of acceptance: August 10, 2014. Last date of registration: September 3, 2014. Full length paper submission: September 3, 2014. **Fees:** Registration Fees India and SAARC countries 5000(INR). This includes Rs 500 GAMS delegation fees. Other countries: USD 700. This includes USD 50 GAMS delegation fees. For other details please see website.

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

* 9–10 **Conference on Challenges of Identifying Integer Sequences**, The Center for Discrete Mathematics and Theoretical Computer Science (DIMACS), CoRE Building, Rutgers University, 96 Frelinghuysen Rd., Piscataway, New Jersey.

Description: The conference will honor the contributions to the mathematical sciences of the Online Encyclopedia of Integer Sequences (OEIS) featuring renowned researchers reporting on the latest developments and open conjectures attributed to the OEIS.

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

Conference discussions will highlight the role the database has served in assisting with developing conjectures in number theory, algorithmic and enumerative combinatorics, combinatorial number theory, bifurcative and other nonlinear sequences, sphere packing, and many other mathematical fields as well as the tools necessary for identifying those conjectures. The conference will bring these topics to a large audience, with the express goal of making the ideas accessible to a diverse audience of researchers and students.

Information: <http://dimacs.rutgers.edu/Workshops/OEIS/>.

December 2014

* 1–5 **BioInfoSummer 2014: Summer Symposium in Bioinformatics**, Monash University (Caulfield), Melbourne, Australia.

Description: Bioinformatics is an exciting, fast-moving area analysing and simulating the structures and processes of biological systems. BioInfoSummer introduces students, researchers, and others working in related areas to the discipline. The program features: An introduction to molecular biosciences and bioinformatics; next-generation DNA sequencing and sequence evolution; high-throughput technology and omics data analysis; methods in bioinformatics and systems biology.

Speakers: Professor Mark Ragan (Institute for Molecular Bioscience), Professor Chris Overall (University of British Columbia), Professor Roger Daly (Monash University), Associate Professor Barbara Holland (University of Tasmania), Dr. Alicia Oshlack, Murdoch Childrens Research Institute.

Information: <http://amsi.org.au/BIS>.

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/>.

* 8–12 **The 5th International Conference on Scientific Computing and Partial Differential Equations**, Hong Kong Baptist University, Hong Kong, China.

Description: Since 2002, the SCPDE conference series aims to promote research interests in scientific computation. It is our intention to organize a well-respected international conference series on scientific computing in Hong Kong every three years. The past conferences of the series were held in 2002, 2005, and then 2008 and 2011. All conferences in the series were held at the Hong Kong Baptist University, well attended by international experts in respective disciplines and were found highly successful in providing a forum for the exchange of ideas and the latest results within a multi-disciplinary setting. On the occasion of the 60th birthday of Eitan Tadmor, we are organizing this international conference to review recent developments and to explore exciting new directions in scientific computing and partial differential equations for time dependent problems and its interaction with other fields.

Information: <http://www.math.hkbu.edu.hk/SCPDE14/>.

* 18–21 **International Conference on Geometric Function Theory and its Applications (ICGFTA-2014)**, Department of Mathematics, Indian Institute of Technology, Kharagpur, Kharagpur-721302, West Bengal, India.

Objective of the Conference: The conference “International Conference on Geometric Function Theory and its Applications” (ICGFTA-2014) is being organized by the Department of Mathematics, Indian Institute of Technology, Kharagpur. The conference program will cover contemporary topics in complex analysis, including geometric function theory in one complex variable, harmonic univalent mappings, and several complex variables. The goal of this meeting is to bring together researchers from around the globe, working broadly in complex analysis and its most important applications, with an emphasis on informal interactions. Therefore, this kind of meeting will help younger researchers to share valuable thoughts with each other on their respective areas of research. In the process, they will increase the possibility of collaborating among themselves in the days to come. Further, the expertise of the international participants would really inspire the young researchers to go the extra mile in their research.

Information: <http://www.icgfta-2014-iitkgp.in>.

January 2015

* 5–10 **ICMC 2015: The Second International Conference on Mathematics and Computing**, Haldia Institute of Technology Haldia, West Bengal, India.

Description: ICMC 2015 is a forum for the presentation of new advances in the fields of Mathematics, Statistics, and Scientific Computing. The conference will bring together leading academic scientists, experts from the industry, and researchers in mathematics and computing from India and abroad. The conference will be preceded by workshops (5th and 6th) and Tutorials (7th). Key note talks and presentation of research papers will take place from January 8–10, 2015.

Information: <http://hithaldia.co.in/icmc2015/>.

* 6–9 **Winter Meeting on Bruhat-Tits Buildings**, Imperial College London, London, United Kingdom.

Description: The meeting will consist of five lecture series on different aspects of this theory given by leading experts. The five speakers are: Linus Kramer, Bernhard Mühlherr, Anne Parreau, Bertrand Rémy, and Guy Rosseau. We have limited funding available for young researchers.

Deadline: The deadline for applications is October 10, 2014.

Information: <http://www.jschillewaert.wix.com/bruhat-tits>.

* 21–25 **The Ninth International Conference on Nonlinear Analysis and Convex Analysis (NACA2015)**, Rimkok Resort Hotel, Chiang Rai, Thailand.

Description: To hold an international conference on nonlinear analysis and convex analysis jointly is very important for the development of mathematical science and its related areas all over the world. During the last three decades, the study of Nonlinear Analysis has been devoted vigorously and such activity had great influence on other areas of science as much as mathematics. At the same time, Convex Analysis has grown in connection with the study of problems of optimization, equilibrium, control, and stability of linear and nonlinear systems. These two mathematical disciplines have no border and they rather have good effects each other. Based on this idea, we had the following meetings of the International Conference on Nonlinear Analysis and Convex Analysis (NACA): Niigata (1998), Hirosaki (2001), Tokyo (2003), Okinawa (2005), Hsinchu (2007), Tokyo (2009), Busan (2011), Hirosaki (2013) and this time, it reaches the ninth meeting in Chiang Rai, Thailand, on January 21–25, 2015.

Information: <http://www.sci.nu.ac.th/mathematics/math/naca2015/>.

February 2015

* 5–7 **4rd International Conference on Mathematics & Information Science**, Zewail City, Cairo, Egypt.

Description: 4rd International Conference on Mathematics & Information Science (ICMIS 2015), will be held in Zewail City of Science and Technology, February 5–7, 2015, and will feature advances in Mathematical Science, Business, Information Systems Engineering and Technology presented by 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.

Information: <http://icmis5.naturalspublishing.com/>.

* 13–15 **Mathemusical Conversations: Mathematics and Computation in Music Performance and Composition**, Yong Siew Toh Conservatory of Music and Institute for Mathematical Sciences, National University of Singapore, Singapore.

Description: Mathemusical Conversations is an international workshop bringing together world experts and emerging scholars in and across mathematics and music, with a special focus on mathematical and computational research in music performance and composition that serve as the foundation for understanding and enabling human creativity and for future music technologies. The program, consisting of six thematic sessions and two concerts, is designed for broad appeal not only to researchers in the mathematical music sciences, but also to mathematicians and scientists in general, to musicians interested in the formal models of music knowledge and practice, and the general public. The broad objective of the workshop is to raise awareness of mathematics, music, and the mathematical music fields in Singapore, the region, and beyond.

Information: <http://www2.ims.nus.edu.sg/Programs/015wmusic/index.php>.

March 2015

* 2–5 **Flow(ers) & Friends in Frankfurt (a workshop on Geometric Analysis)**, Goethe Universitaet Frankfurt, Frankfurt am Main, Germany.

Description: Despite the title seems to be targeted at flowers (I mean, Ricci-flowers, etc), the goal is that many other topics of Geometric Analysis will be also well represented “in this garden”.

Speakers: Fernando Codá-Marques, Panagiota Daskalopoulos, Camillo De Lellis, Klaus Ecker, Michael Eichmair, Nicola Gigli, Gerhard Huisken, Tom Ilmanen, Dan Knopf, Ernst Kuwert, Tobias Lamm, Rafe Mazzeo, Aaron Naber, André Neves, Frank Pacard, Michael Struwe, Felix Schulze, Peter Topping, Brian White, Burkhard Wilking.

Information: http://www.math.uni-frankfurt.de/~cabezas/3F_2015/index.html.

* 18–20 **Critical Issues in Mathematics Education 2015: Developmental Mathematics: For whom? Toward what ends?**, Mathematical Sciences Research Institute, Berkeley, California.

Description: This workshop will address the critical issue of developmental mathematics at two- and four-year colleges and universities and the broader dynamic of mathematics remediation that occurs at all levels. It will engage mathematicians, K-12 teachers, mathematics educators, and administrators in a conversation about the goals of developmental mathematics and the contributions that our different professional communities make to this work.

Information: <http://www.msri.org/workshops/758>.

* 30–April 30 **Sets and Computations**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Description: Two extremely active areas of modern mathematical logic are Computability Theory and Set Theory. These fields are intensively researched in many parts of the USA, Europe, and Asia, including Singapore. One purpose of this programme is to bring leading researchers in these fields to the IMS for collaboration with researchers from Singapore and other parts of Asia. A second purpose is to develop newly-emerging and valuable connections between these fields. The result will be to strengthen cooperation between Singapore and research groups elsewhere, as well as to forge new connections between computability-theorists and set-theorists.

Information: <http://www2.ims.nus.edu.sg/Programs/015set/index.php>.

May 2015

* 4–15 **Workshop on Stochastic Processes in Random Media**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Description: The aim of the workshop is to bring together researchers from both the physics and probability communities and to promote further interaction between them in areas of common research interest. The central themes of the workshop will include (but are not restricted to): dynamics of reaction-diffusion systems, including biophysical applications of such processes; random polymers and related systems; the Kardar-Parisi-Zhang universality class, and random matrix models. The first week will be a workshop consisting of 25–30 talks. The second week will have fewer talks and more free time and discussion sessions to encourage collaboration.

Information: <http://www2.ims.nus.edu.sg/Programs/015wrandom/index.php>.

* 18–29 **Workshop on New Directions in Stein's Method**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Description: Considering the diversity and the new exciting directions of recent advances, we believe now is the right time to organise a comprehensive workshop on Stein's method and its applications. We plan to bring together not only active researchers directly working in the area, but also those who apply Stein's method in their work in order to stimulate, strengthen, and develop existing interactions between theory and practice. The National University of Singapore has long been a centre of research in Stein's method, having been the base of major programmes and the home to a number of researchers who have been influential in its development. The combination of these many factors makes Singapore a natural place in which to conduct the workshop, with the resulting benefit of fostering collaborations, both locally and internationally.

Information: <http://www2.ims.nus.edu.sg/Programs/015wstein/index.php>.

June 2015

* 1–July 31 **Networks in Biological Sciences**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Description: Activities: Tutorial I: June 3–5, 2015; The Protein Network Workshop: June 8–12, 2015; Tutorial II: July 22–24, 2015; The Phylogenetic Network Workshop: July 27–31, 2015.

Information: <http://www2.ims.nus.edu.sg/Programs/015bio/index.php>.

* 15–19 **MEGA 2015: Effective Methods in Algebraic Geometry**, University of Trento, Povo (Trento), Italy.

Description: MEGA is the acronym for Effective Methods in Algebraic Geometry (and its equivalent in many other languages). This series of biennial international conferences, with a tradition dating back to 1990, is devoted to computational and application aspects of Algebraic Geometry and related topics. The conference will comprise invited talks, regular contributed talks, presentations of computations, and a poster session; the latter three are subject to a competitive submission process.

Invited speakers: Carlos Beltran, Alessandra Bernardi, Petter Brändén, Elisa Gorla, Hans-Christian Graf von Bothmer, Anders Jensen, Michael Joswig, Daniel Lazard (special invited talk on the history of MEGA), Frank Sottile, Caroline Uhler.

Information: <http://mega2015.science.unitn.it/>.

July 2015

* 6–10 **Equadiff 2015**, Université Claude Bernard Lyon 1, Lyon, France.

Description: The Equadiff is a series of international conferences on dynamical systems, ordinary and partial differential equations, and applications, which are held every second year in various countries of Western and Eastern Europe.

Information: <http://equadiff2015.sciencesconf.org/>.

August 2015

* 3–7 **The 3rd Strathmore International Mathematics Conference Theme: Exploring Mathematics and its Applications**, Strathmore University, Nairobi, Kenya.

Description: The goal of this conference is to provide mathematics researchers from around the world, working in various mathematical disciplines, to discuss latest developments and share their research results in contemporary areas of mathematics research and applications. This conference also intends to forge new cross-disciplinary interactions among participants and farther existing partnerships among the international mathematics community and in particular, young researchers in Eastern Africa. The conference provides a unique opportunity for in-depth technical discussions and exchange of ideas in mathematical sciences, as well as explores the potential of their applications in natural and social sciences, engineering and technology and industry and finance.

Information: <http://www.strathmore.edu/carms>.