
Mathematics Calendar

The most comprehensive and up-to-date Mathematics Calendar information is available on the AMS website at www.ams.org/mathcal/.

Please submit conference information for the Mathematics Calendar through the Mathematics Calendar submission form at www.ams.org/cgi-bin/mathcal-submit.pl.

October 2015

* 5–9 **Autumn School in Nonlinear Science**, Instituto Superior Tecnico, Lisbon, Portugal.

Description: The school aims at bringing together prominent researchers, known for their expertise in modeling, analysis and simulation of nonlinear phenomena, and graduate and post-graduate students from around the world for five days of research training. The school comprises an intensive program of week-long short courses complemented by tutorial sessions. It will focus on nonlocal or nonlinear partial differential equations with applications ranging from phase transitions and free boundary problems to porous media flows and contaminant transport in subsurface environments.

Information: nls2015.math.tecnico.ulisboa.pt/.

* 10–11 **Workshop on Springer Theory and Related Topics**, University of Massachusetts–Amherst, Amherst, MA.

Description: A two-day workshop on representation theory related to Springer theory.

Information: www.math.lsu.edu/~pramod/UMass2015/

* 14–16 **Advanced Course on Competing Risks: Concepts, Methods and Software**, Centre de Recerca Matemàtica, Bellaterra, Barcelona, Spain.

Description: Competing risks: concepts, methods and software Lecturer: Ronald Geskus, Academic Medical Center, Amsterdam, The Netherlands; The course will alternate sessions that are devoted

to explanation of the theory with sessions in which the concepts learned can be practiced through exercises, mostly by using the R statistical computing environment. A good working knowledge of survival analysis and R is recommended.

Information: www.crm.cat/en/Activities/Curs_2015-2016/Pages/Competing-risks.aspx

* 24–26 **Relevance of Ramanujan's Work and its Applications in Mathematical Sciences**, Department of Mathematics, T.D.P.G. College, Jaunpur-222002 (U.P.), India.

Description: Ramanujan Society of Mathematics and Mathematical Sciences and Department of Mathematics T.D.P.G. College, Jaunpur are going to organize a “National Conference on Relevance of Ramanujan's Work and its Applications in Mathematical Sciences,” during October 24–26, 2015. The aim of the Conference is to bring together Mathematicians and Research scholars from different parts of the Country for exchange of ideas and latest developments in special functions and analysis. Expected topics to be covered in this Conference are Hypergeometric Series, Lie theory, Orthogonal polynomials, Partition theory, Continued fractions, Combinatorial analysis and other interesting works of the great Indian Mathematician Srinivasa Ramanujan. Kindly send the topic of your talk/abstract of paper latest by October 10, 2015 on emails: sns39@yahoo.com; sns39@gmail.com. You are requested to kindly forward this mail/message among your colleagues and young research scholars for its wide circulations.

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 in the Meetings & Conferences Section 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. 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 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*. New information about meetings and conferences that will occur beyond the current 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 given twelve-month period. **The Mathematics Calendar**, as well as Meetings and Conferences of the AMS, is now available through the AMS website: www.ams.org/.

November 2015

* 16–18 **Advanced Course on Flexible Regression and Smoothing**, Centre de Recerca Matemàtica, Bellaterra, Barcelona, Spain.

Description: This short course will be an exposition of the GAMLSS framework using throughout practical examples. In particular the following topics will be covered: An introduction to GAMLSS and its statistical modelling philosophy. An introduction to the R implementation of GAMLSS. A description of the different distributions which can be used for modelling the response variable, and their properties. This includes: i) continuous (positively or negatively skewed and with high or low kurtosis) (ii) discrete and (iii) mixed distributions. The different additive terms for modelling the parameters of the distribution will be explored including: linear, nonparametric smoothing and random effects terms. Exposition to different modelling selection techniques and diagnostics for checking the model adequacy. Further statistical modelling examples (including centile estimation).

Information: www.crm.cat/en/Activities/Curs_2015-2016/Pages/Flexible-Regression-and-Smoothing.aspx

* 23–25 **The 11th IMT-GT International Conference on Mathematics, Statistics and Its Applications 2015**, Pattaya, Thailand.

Description: The 11th IMT-GT International Conference on Mathematics, Statistics and Its Applications 2015 (ICMSA 2015) will be held during November 23–25, 2015 at Ambassador City Jomtien Hotel, Pattaya, Thailand, organized and hosted by Department of Mathematics, King Mongkuts Institute of Technology Ladkrabang (KMITL) in association with the Indonesia-Malaysia-Thailand Growth Triangle (IMT-GT) conference. This conference provides opportunities to exchange new ideas and application experiences to enhance the knowledge in the field of Mathematics, Statistics and its applications.

Information: www.icmsa2015.kmitl.ac.th

January 2016

* 18–21 **Third EACA International School on Computer Algebra and its Applications**, IMUS and Facultad de Matematicas, University of Seville, Seville, Spain.

Description: We are pleased to announce the Third EACA International School on Computer Algebra and its Applications. University of Seville, Spain.

Information: www.imus.us.es/EACASCHOOL16/index.php?carga=home

February 2016

* 1–April 30 **Intensive Research Programme in Nonsmooth Dynamics**, Centre de Recerca Matemàtica, Bellaterra, Barcelona, Spain.

Description: This program will take stock of recent advances in Nonsmooth Dynamics and where the field is going. As a general theory of how switches, impacts, and other discontinuities affect dynamical systems, Nonsmooth Dynamics has always been strongly informed by applications. By bringing theoretical and practical insights together at a time of rapidly growing interest, we will try to solve some major outstanding problems in an intensive but open forum. Activities to be held in the Research Programme are: Conference on “Open Problems in Nonsmooth Dynamics;” February 1–5, 2016, 3 short courses on

1. Nonsmooth networks
2. The complementarity approach applied
3. The Filippov approach and beyond; February 29–March 4, 2016; Workshop on “Nonsmooth Dynamics, the way forward” April 25–29, 2016.

Information: www.crm.cat/en/Activities/Curs_2015-2016/Pages/Advances-in-Nonsmooth-Dynamics.aspx

March 2016

* 1–July 31 **Intensive Research Programme on Constructive Approximation and Harmonic Analysis**, Centre de Recerca Matemàtica, Bellaterra, Barcelona, Spain.

Description: This research program focuses on the interaction between constructive approximation and harmonic analysis. The aim is to facilitate broader and deeper interaction among researchers in these fields. Activities in the Research Programme are:

Workshop on Function Spaces and High-dimensional Approximation from May 2 to 6, 2016

Advanced course on Constructive Approximation and Harmonic Analysis, from May 30 to June 4, 2016

Conference on Harmonic Analysis and Approximation Theory (HAAT 2016), from June 6 to 10, 2016

Information:

www.crm.cat/en/Activities/Curs_2015-2016/Pages/IRP-Approximation-and-Harmonic-Analysis.aspx

May 2016

* 11–13 **International Arab Conference on Mathematics and Computations**. The conference will be held at Zarqa University, Zarqa, Jordan.

Description: The languages of the conference are English and Arabic. The scopes of the conference are:

- 1 - Pure Mathematics
- 2 - Applied Mathematics
- 3 - Statistics and its Techniques

Information: www.iacmc.org

* 29–June 3 **Whitney Extension Problems: C^m and Sobolev functions on subsets of R^n** , Technion - Israel Institute of Technology, Haifa, Israel.

Description: The conference will focus on some of the most vibrant developments in function theory related to the celebrated Whitney extension and trace problems for classes of smooth functions. These include new analytic and geometric methods in the study of differentiable structures on finite sets, extension and trace problems for functions in Sobolev spaces and spaces of generalized smoothness defined on closed subsets of R^n , geometric description of Sobolev extension domains, etc. The purpose of the conference is to bring together an international group of experts in the areas of function theory and functional and geometric analysis to report on and discuss recent progress and open problems in the area of Whitney type problems and thus foster interaction and collaboration between researchers in these fields.

June 2016

* 19–25 **BIOMATH International Conference on Mathematical Methods and Models in Biosciences**, Conference Center “Bachinovo”, South West University, Blagoevgrad, Bulgaria.

Description: BIOMATH is an international conference on Mathematical Methods and Models in Biosciences. It is devoted to recent research in life sciences based on applications of mathematics as well as mathematics applied to or motivated by biological studies. It is a multidisciplinary meeting forum for researchers who develop and apply mathematical and computational tools to the study of phenomena in the broad fields of biology, ecology, medicine, biotechnology, bioengineering, environmental science, etc. BIOMATH 2015 includes as an integral part a School for Young Scientists and an Instructional Workshop on Advanced Mathematical Methods in Life Sciences.

Information: www.biomath.bg/2016

* 19–25 **BIOMATH Young Scientists School**, Conference Center “Bachinovo”, South West University, Blagoevgrad, Sofia, Bulgaria.

Description: BIOMATH Young Scientists School is an integral part of the conference BIOMATH. It consists of foundational, keynote

lectures, hot topics workshop, presentations of participants, evaluation and feedback.

Information: www.biomath.bg/2016

- * 27–July 1 **3rd Barcelona Summer School on Stochastic Analysis**, Centre de Recerca Matemàtica, Bellaterra, Barcelona, Spain.

Description: The Barcelona Summer School on Stochastic Analysis is a one-week scientific activity consisting mainly of courses addressed to PhD students and young researchers on current research topics in Stochastic Analysis. Selected participants are also given the opportunity to deliver short talks or to display posters. The courses in 2016 will be the following: On Approximations of Stochastic PDEs, by István Gyöngy (University of Edinburgh, UK) Regularity Structures, by Martin Hairer (University of Warwick, UK).

Information:

www.crm.cat/en/Activities/Curs_2015-2016/Pages/3rd-BCN-Summer-School-on-Stochastic-Analysis.aspx

- * 27–July 2 **26th International Conference in Operator Theory**, West University, Timisoara, Romania.

Description: The 26th International Conference in Operator Theory is organized jointly in Timisoara by the Institute of Mathematics Simion Stoilow of the Romanian Academy and the West University in Timisoara. As usual, the conference is devoted to operator theory, operator algebras and their applications (differential operators, complex functions, mathematical physics, matrix analysis, system theory, etc.).

Information: operatortheory26.wordpress.com/

July 2016

- * 4–9 **14th International Conference on p-Adic Functional Analysis**, Aurillac, France.

Scientific Committee: Helge Glockner (Paderborn, Germany), Khodr Shamseddine (Winnipeg, Canada), Alain Escassut (Clermont-Ferrand, France), Cristina Perez Garcia (Santander, Spain), Jerzy Kakol (Poznan, Poland).

August 2016

- * 1–5 **International Conference in K-theory**, University of Western Sydney, Sydney, Australia.

Description: The International Conference in K-theory 2016 will be held at the Parramatta Campus of University of Western Sydney.

Organizers: C. Heasemeyer (UCLA), R. Hazrat (UWS) and A. Neeman (ANU). The conference will cover a wide spectrum of topics related or influenced by K-theory. For contributed talks, please visit the conference homepage.

Information: <https://sites.google.com/site/interconfonktheory2016/>

- * 2–5 **31st Summer Conference on Topology and its Applications**, University of Leicester, University Road, Leicester, LE1 7RH, England, United Kingdom.

Description: This conference brings together mathematicians with research interests in Topology. Provisional list of special sessions: Algebraic Topology Asymmetry and its Applications, General Topology, Foliated Spaces, Dynamics and Continua and Topological Groups. Details of workshops are yet to be finalised. The organisers are: Alex Clark, Simona Paoli and Dimitrina Stavrova [all based at the University of Leicester. The administrator is Alison Gibson. There will be a Welcome Reception on the preceding evening—Monday, January 8, 2015. The Conference Dinner will take place on the evening of Thursday, August 4, 2016. It is also proposed to run a trip to Leicester’s Richard III Centre and a programme of events during the day for delegates’ partners. This event is sponsored by the Leverhulme Trust. Other sponsorship is also being sought.

Information: www.le.ac.uk/topology2016

- * 15–19 **AIM Workshop: The Complex Monge-Ampère Equation**, American Institute of Mathematics, San Jose, CA.

Description: This workshop, sponsored by AIM and the NSF, will be devoted to the complex Monge-Ampère equation and its applications in complex geometry and analysis.

Information:

aimath.org/workshops/upcoming/mongeampere

- * 22–26 **Introductory Workshop: Geometric Group Theory**, Mathematical Sciences Research Institute, Berkeley, California.

Description: This will be an introductory workshop to the MSRI jumbo program Geometric Group Theory being held during the Fall Semester of 2016. The purpose of the workshop is to provide an overview of key areas of research to be covered in the program, including an introduction to open problems of current interest.

Information: www.msri.org/workshops/769.

September 2016

- * 30–October 2 **SIAM Conference on Mathematics of Planet Earth (MPE16)**, DoubleTree by Hilton Hotel Philadelphia Center City, Philadelphia, Pennsylvania.

Description: SIAM Conference on Mathematics of Planet Earth (MPE16) September 30–October 2, 2016 DoubleTree by Hilton Hotel Philadelphia Center City Philadelphia, Pennsylvania, USA. The call for presentations will be linked from www.siam.org/meetings/mpe16/ in November 2015.

Information: www.siam.org/meetings/mpe16/

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.

November 2016

- * 7–11 **AIM Workshop: Polyhedral Geometry and Partition Theory**, American Institute of Mathematics, San Jose, CA.

Description: This workshop, sponsored by AIM and the NSF, will be devoted to the study of problems at the interface of polyhedral geometry and partition theory. Recent results have demonstrated that polyhedral geometry is a powerful tool connecting problems in lattice point enumeration, permutation statistics, and partition theory.

Information:

aimath.org/workshops/upcoming/polypartition

July 2017

- * 17–21 **28th IFIP TC7 Conference 2017 on System Modelling and Optimization**, Middle East Technical University, Ankara, Turkey.

Description: In a cycle of two years, the International Federation for Information Processing (IFIP) Technical Committee 7—System Modeling and Optimization—arranges highly regarded conferences on several topics of Applied Optimization such as Optimal Control of Ordinary and Partial Differential Equations, Modeling and Simulation, Inverse Problems, Nonlinear, Discrete, and Stochastic Optimization and Industrial Applications.

Information: iam.metu.edu.tr/ifip17

- * 24–28 **Mathematical Congress of the Americas 2017**, Montréal, Quebec, Canada.

Description: This will be the second Mathematical Congress of the Americas (MCA). The website maintained by the Mathematical Congress of the Americas is www.mcofamericas.org/.

Call for Special Session Proposals: (deadline) July 31, 2016.

Information: mca2017.org