Mathematics Calendar

November 2015

* 16–20 New Perspectives in Differential Geometry: Special Metrics and Quaternionic Geometry, University of Rome 1 “La Sapienza”, Rome, Italy.
Description: Hosted and funded by Istituto Nazionale di Alta Matematica (INdAM), the workshop is organized on the occasion of Simon Salamon’s sixtieth birthday.
Scientific committee: A. Fino (Turin), G. Gentili (Florence), E. Musso (Turin), A. Swann (Aarhus).
Organizers: S. G. Chiossi (Salvador), D. Conti (Milan), C. Stoppato (INdAM), L. Vezzoni (Turin).
Information: newperspectivesindg.wordpress.com.

* 23–27 V International Scientific Conference of Students and Young Scientists “Theoretical and Applied Aspects of Cybernetics” (TAAC-2015), 03680, Ukraine, Kyiv, 4d, Academician Glushkov Avenue, Taras Shevchenko National University of Kyiv, Cybernetics Faculty.
Languages: The official languages of conference are English, Ukrainian, and Russian.
Scope: Includes four streams: Computer Science, Applied Mathematics, Artificial Intelligence, Software Engineering. Scientific program of the conference also includes the following lectures: Arithmetic Operations in Lattice-based Cryptography. Assistant Professor Sedat Akleylek (Faculty of Engineering, Ondokuz Mayis University, Samsun, Turkey). (see more details: taac.org.ua/en/programmeLectures.htm). The proceedings of the conference will be printed before the conference.
Information: taac.org.ua.

December 2015

Description: The Plenary Speakers of this workshop are: (1) Zdzisław Brzeźniak (University of York, UK) (2) David Elworthy (University of Warwick, UK) (3) Istvan Gyongy (University of Edinburgh, UK) (4) Martin Hairer (University of Warwick, UK) (5) Xue-Mei Li (University of Warwick, UK) (6) Terry Lyons (University of Oxford, UK) (7) Alexander Yu Veretennikov (University of Leeds, UK). The workshop will be divided into two parts, separated by the weekend. The first part will be devoted to a gentle introduction to the theories of Stochastic Differential Equations on Euclidean spaces, manifolds, and infinite dimensional spaces; Stochastic Partial Differential Equations, use of Banach spaces, smooth structures on non-linear function spaces, Malliavin calculus, rough paths theory (both in time and space sense). In the second week, plenary speakers will give expository lectures on the most recent results concerning their expertise.
Information: spde.iisertvm.ac.in.

* 11–12 Workshop on Game Theory and Social Choice, Corvinus University of Budapest, Budapest, Hungary.
Description: Researchers and advanced PhD students are invited to submit research papers to be considered for presentation at the workshop. Theoretical and applied contributions from all areas of game theory and social choice are welcome. The keynote speakers of the workshop are Prof. Hans Peters, Maastricht University and Prof. Clemens Puppe, Karlsruhe Institute of Technology. Papers should be submitted electronically at https://easychair.org/conferences/?conf=gamsoc2015 by October 20, 2015. Authors

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 Mathematics Calendar, as well as Meetings and Conferences of the AMS, is now available through the AMS website: www.ams.org.
Mathematics Calendar

of accepted papers will be notified by October 30, 2015. The two-
day workshop will be held at Corvinus University, which is located
close to the city center. We will start not too early on Friday, and
finish on Saturday afternoon. Further information on the venue and
other conference-related information will be made available in due
course at gam-soc.uni-corvinus.hu. There is no registration
for speakers and participants.

Information: gam-soc.uni-corvinus.hu.

*14–18 Workshop on Geometric Aspects of the Quantum Hall Ef-
fect, University of Cologne, Cologne, Germany.
Description: The goal of the Workshop is to bring together physi-
cists and mathematicians, working in Quantum Hall and neighbour-

Description: The AMSI Summer School is an exciting opportunity
for mathematical sciences students from around Australia and the
world to come together, develop their skills, build networks, and
enjoy the Australian summer.

Courses include: Calculus of Variations; Theory and Practice; Com-
plex Networks; Conic Programming; Design and Analysis of Experi-
ments; Linear Control Theory and Structured Markov Chains; Mod-
ern Numerical Methods for Diffusion Equations on Generic Grids;
Projective Geometry; Stochastic Modelling.


March 2016

*16–18 The 2016 IAENG International Conference on Operations
Research, Royal Garden Hotel, Hong Kong, China.
Description: The conference ICOR’16 is held under the Interna-
tional MultiConference of Engineers and Computer Scientists 2016.
The IMECS 2016 is organized by the International Association of
Engineers (IAENG), a non-profit international association for en-
gineers and computer scientists. The IMECS conferences serve as
good platforms for our members and the entire engineering com-
munity to meet with each other and to exchange ideas. Our IMECS
committees have been formed with over three hundred conference
committee members who are mainly research center heads, faculty
deans, department heads, professors, and research scientists from
over 30 countries. The last IAENG conference attracted more than
800 participants from over 50 countries. All submitted papers will
be under peer review and accepted papers will be published in the
conference proceeding (ISBN: 978-988-19253-8-1). The abstracts will
be indexed and available at major academic databases.


April 2016

*11–15 International Conference on Differential Geometry, ICDG
Fez, 2016, Faculty of Sciences Dhar El Mehraz, Fez, Morocco.
Description: The International Conference on Differential Geometry
of Fez will provide a forum and an excellent venue for researchers,
academic faculty and students to present—and eventually pub-
lish—their research results and approaches. The ICDG Fez 2016
conference seeks original and high quality contributions in the
fields chosen as topics for the the following three sections of this
conference: 1. Riemannian and pseudo-Riemannian manifolds and
Submanifolds. 2. Geometric Structures and Representation Theory.
3. Geometric properties of functions and vector fields. The proceed-
ings of the conference will be published as a special issue in the
journal Note Di Matematica. All articles will undergo regular peer
review procedure following the same high standards as for contribu-
tions to regular issues of the journal.

Information: www.fsdmfes.ac.ma/ICDGFez/.

*12–15 SIAM Conference on Parallel Processing for Scientific Com-
puting (PP16), Paris, France.
Description: The Call for Presentations for this conference is now
available.

Submission Deadlines: September 15, 2015 for Minisymposium
Proposals; October 13, 2015 for Abstracts.

Information: www.siam.org/meetings/pp16/.

May 2016

*6–8 Mathematics in Automotive Security, Oakland University,
Rochester, Michigan.
Description: As information technologies are increasingly deployed
in modern vehicles, automotive cybersecurity issues have emerged.
In this conference we cover some of the basic crypto-systems already
in use in the automotive industry and their limitations, including
threats posed by denial-of-service (DoS) attacks and external con-
nectivity vulnerabilities. The conference will bring together engi-
eers, computer scientists, and mathematicians who work in the
automotive industry. Both advanced undergraduates and graduate
students are welcome.

Information: sites.google.com/site/michigancag/
mathematics-in-automotive-security.

*23–26 SIAM Conference on Imaging Science (IS16), Hotel Albu-
querque at Old Town, Albuquerque, New Mexico.
Description: The interdisciplinary field of imaging science is experi-
encing tremendous growth. New devices capable of imaging objects
and structures from nanoscale to the astronomical scale are continu-
ously being developed and improved and, as a result, the reach of
science and medicine has been extended in exciting and unexpected
ways. The impact of this technology has been to generate new chal-
lenes associated with the problems of formation, acquisition, compres-
sion, transmission, and analysis of images. By their very nature,
these challenges cut across the disciplines of physics, engineering,
mathematics, biology, medicine, and statistics. While the primary
purpose of this conference is to focus on mathematical issues, the
other facets of imaging, such as biomedical and engineering aspects,
for example, will also play an important role.

Information: www.siam.org/meetings/is16/.

*26–29 International Conference on Applications of Mathematics
to Nonlinear Sciences (AMNS-2016), Kathmandu, Nepal.
Description: The Association of Nepalese Mathematicians in Amer-
ica (ANMA), Nepal Mathematical Society (NMS), and the mathemat-
ics departments of Tribhuvan University and Kathmandu University
are jointly organizing the International Conference on Applications
of Mathematics to Nonlinear Sciences (AMNS-2016) in Kathmandu, Nepal, on May 26–29, 2016. The conference provides a forum to a diverse group of scientists in applications of mathematics to natural and health sciences, engineering and finance. Specific areas include analysis, topology, mathematics education, statistics, big data, optimization, operations research, quantitative finance, mathematical biology, biomedical science, biophysics, and public health. The conference intends to bring together researchers from a variety of disciplines of mathematical sciences and applications.

**Information:** annaweb.org/AMNS-2016/

**June 2016**


**Description:** The conference will be scheduled in plenary and keynote lectures followed by special and contributed sessions. The accents of the conference will be on Mathematical Physics, Solitons and Transport Processes, Numerical Methods, Scientific Computing, Continuum Mechanics, Applied Analysis, Applied Physics, Biomatics, which can be complemented by some specific topics in contributed special sessions. You are welcome to announce and organize special sessions that are within the general topic of the conference.

**Information:** 2016.eac4amitans.eu

* 6–8 IMA Conference on Turbulence, Waves, and Mixing, King’s College, Cambridge, United Kingdom.

**Description:** In Honour of Lord Julian Hunt’s 75th Birthday: The theme of this conference is to discuss, with review lectures and contributed papers, the ongoing developments of research in turbulence, waves, and mixing, and their applications in industry, environment, and geo/astro and mathematical physics.

**Information:** www.ima.org.uk/conferences/conferences_calendar/turbulencewavesmixing.html

* 12–14 9th IMA International Conference on Modelling in Industrial Maintenance and Reliability (MIMAR), Imperial College, London, United Kingdom.

**Description:** This event is the premier maintenance and reliability modelling conference in the UK and builds upon a very successful series of previous conferences. It is an excellent international forum for disseminating information on state-of-the-art research, theories and practices in maintenance and reliability modelling, and offers a platform for connecting researchers and practitioners from around the world.

**Organizing committee:** Philip Scarf, Chair (University of Salford, UK) Phuc Do, Co-Chair (University of Lorraine, France) Shaomin Wu, Co-Chair (University of Kent, UK).

**Information:** www.ima.org.uk/conferences/conferences_calendar/mimar9.html

**September 2016**

* 8-13 4th Dolomites Workshop on Constructive Approximation and Applications (DWCAA16), Univ. of Verona, Val di Fassa, Trento, Italy.

**Description:** DWCAA16 is organized by the Department of Mathematics of the University of Padua and the Department of Computer Science of the University of Verona. It aims to provide a meeting point and a forum for researchers in approximation theory and its applications.

**Keynote Speakers:** Costanza Conti (Florence), Armin Iske (Hamburg), Elisabeth Larsson (Uppsala), Norm Levenberg (Bloomington), Gerlind Plonka (Goettingen), Grady Wright (Boise).

**Sessions:** Approximation theory in imaging science, Meshless methods, Multivariate polynomial approximation and pluripotential theory, Numerical integration, integral equations and transforms, Sparse approximation.

**Deadline:** For submission of abstracts is April 30, 2016.

**Information:** events.math.unipd.it/dwcaa16/.

* 12–16 Workshop: Unusual Configuration Spaces, ICERM at Brown University, Providence, Rhode Island.

**Description:** This workshop will bring together researchers interested in a panoply of unusual configuration spaces, arising in applied fields or in plausible models, to look for similarities or creative tensions between them.

**Information:** icerm.brown.edu/programs/sp-f16/w1/.


**Description:** This workshop, sponsored by AIM and the NSF, will be devoted to the structural theory of discrete amenable groups, and new examples of amenable and non-amenable groups.

**Information:** aimath.org/workshops/upcoming/amenablediscrete/.

* 27–30 Groups Acting on CAT(0) Spaces, Mathematical Sciences Research Institute, Berkeley, California.

**Description:** The theme of the workshop is algebraic, geometric and analytical aspects of groups that act by isometries on spaces of non-positive curvature known as CAT(0) spaces. The world of CAT(0) spaces includes classical spaces such as symmetric spaces and buildings, as well as more avant-garde arrivals, such as CAT(0) cube complex. The workshop will bring together researchers studying various aspects of such groups and spaces to discuss recent developments and chart new directions in the field.

**Information:** www.msri.org/workshops/772.

**October 2016**

* 8-11 Mathematical Results in Quantum Physics (QMATH13), Georgia Institute of Technology, Atlanta, Georgia.

**Description:** This is the thirteenth in the QMATH series of international conferences on the mathematics of quantum mechanics, and the first one to be held in the US. It will focus on rigorous results in several areas of physics: Quantum mechanics with random features; Quantum mechanics on graphs and similar structures; Many-body systems and statistical mechanics; Quantum information; and New mathematical topics arising in current theoretical physics.

**Information:** qmath13.gatech.edu/.

* 17–21 Workshop: Stochastic Topology and Thermodynamic Limits, ICERM at Brown University, Providence, Rhode Island.

**Description:** This workshop will explore topological properties of random and quasi-random phenomena in physical systems, stochastic simulations/processes, as well as optimization algorithms. Practitioners in these fields have written a great deal of simulation code to help understand the configurations and scaling limits of both the physically observed and computational phenomena. However, mathematically rigorous theories to support the simulation results and to explain their limiting behavior are still in their infancy.

**Information:** icerm.brown.edu/programs/sp-f16/w2/.

* 25–28 Geometry of Mapping Class Groups and Out(Fn), Mathematical Sciences Research Institute, Berkeley, California.

**Description:** A four-day workshop with research-level talks on the latest advances in the geometry of mapping class groups and Out(Fn), and spaces on which they act.

**Information:** www.msri.org/workshops/771.


**Description:** The 4thICCCDS’2016 is jointly organized by Ibn-Zohr University (Morocco), Le Havre University (France), Tobb University (Turkey), and United Arab Emirates University (United Arab
THE CHINESE UNIVERSITY OF HONG KONG

Applications are invited for:-

Department of Mathematics
Research Assistant Professor
(Ref. 1516/036(576)/2)

The Department invites applications for a Research Assistant Professorship in all areas of mathematics.

Applicants should have (a) a relevant PhD degree; and (b) good potential for research and teaching.

Appointment will initially be made on contract basis for up to two years, renewable subject to mutual agreement.

Applications will be accepted until the post is filled. Applications will be highly competitive, commensurate with qualifications and experience. The University offers a comprehensive fringe benefit package, including medical care, plus a contract-end gratuity for an appointment of two years and housing benefits for eligible appointee. Further information about the University and the general terms of service for appointments is available at [https://www2.per.cuhk.edu.hk/](https://www2.per.cuhk.edu.hk/).

Salary will be highly competitive, commensurate with qualifications and experience. The University offers a comprehensive fringe benefit package, including medical care, plus a contract-end gratuity for an appointment of two years and housing benefits for eligible appointee. Further information about the University and the general terms of service for appointments is available at [https://www2.per.cuhk.edu.hk/](https://www2.per.cuhk.edu.hk/).

The Personal Information Collection Statement will be provided upon request.

Salary and Fringe Benefits

Application Procedure

Application forms are obtainable (a) at [https://www2.per.cuhk.edu.hk/](https://www2.per.cuhk.edu.hk/) or (b) in person/by mail with a stamped, self-addressed envelope from the Personnel Office, The Chinese University of Hong Kong, Shatin, Hong Kong.

Please send the completed application form and/or full curriculum vitae, together with copies of qualification documents, a publication list and/or abstracts of selected published papers, and names, addresses and fax numbers/e-mail addresses of three referees to whom the applicants’ consent has been given for their providing references (unless otherwise specified), to the Personnel Office by post or by fax to (852) 3942 0947.

Please quote the reference number and mark ‘Application – Confidential’ on cover. The Personal Information Collection Statement will be provided upon request.

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


Description: This workshop focuses on building bridges by developing a unified point of view and by emphasizing cross-fertilization of ideas and techniques from geometry, topology, and combinatorics. New experimental evidence is crucial to this goal. The workshop emphasizes the computational and algorithmic aspects of the problems in topics including: Concentration of maps and isoperimetry of waist in discrete setting, configuration Space/Test Map scheme and theorems of Tverberg type, Equi-partitions of measures, social choice, van Kampen-Haefliger-Weber theory for maps of simplicial complexes, combinatorics of homotopy colimits, and discrete Morse theory.

Information: [icerm.brown.edu/programs/sp-f16/w3/](https://icerm.brown.edu/programs/sp-f16/w3/).

December 2016

*6–9 Amenability, Coarse Embeddability and Fixed Point Properties, Mathematical Sciences Research Institute, Berkeley, California.

Description: The main theme of the workshop is the spectrum of analytic properties running from Kazhdan’s property (T) at one end to von Neumann’s amenability at the other, which forms a foundational organizing structure for infinite groups and spaces. These properties can be described both analytically, via unitary representation theory, and geometrically, using embedding properties for discrete spaces. Connections with probability and combinatorics will likewise be addressed during the meeting.

Information: [www.msri.org/workshops/770](https://www.msri.org/workshops/770).

January 2017

*30–May 5 Semester Program: Singularities and Waves In Incompressible Fluids, ICERM at Brown University, Providence, Rhode Island.

Topics: Of particular interest include: singularity formation, stability and bifurcation; the modeling and analysis of simplified phenomenological models for the description of coherent structures; and time-dependent and steady-free boundary problems including water waves, vortex sheets, capillary problems with contact lines and viscous waves with boundary layers.

Information: [icerm.brown.edu/programs/sp-s17/](https://icerm.brown.edu/programs/sp-s17/).

May 2017

*15–19 Recent Developments in Harmonic Analysis, Mathematical Sciences Research Institute, Berkeley, California.

Description: Topics for this workshop will be drawn from the main research directions of this conference, including: (1) Restriction, Kakeya, and geometric incidence problems (2) Analysis on nonhomogeneous spaces (3) Weighted estimates (4) Quantitative rectifiability and other topics in PDE.

Information: [www.msri.org/workshops/805](https://www.msri.org/workshops/805).