Mathematics Calendar

> The most comprehensive and up-to-date Mathematics Calendar information is available on e-MATH at `http://www.ams.org/mathcal/`.

November 2004

*14–19 **LISA '04 - 18th Large Installation System Administration Conference**, Atlanta, Georgia.
Information: The annual LISA conference is the meeting place of choice for system and network administrators. System administrators of all specialties and levels of expertise meet at LISA to exchange ideas, sharpen old skills, learn new techniques, debate current issues, and meet colleagues and friends.
Organizer: Alex Walker, `alex@usenix.org`.

*16–19 **International Conference "Partial Differential Equations and Related Problems of Analysis and Informatics"**, Institute of Mathematics of Uzbek Academy of Sciences, Tashkent, Uzbekistan.
Organizers: Academy of Sciences of Uzbekistan, National University of Uzbekistan named after M. Ulugbek, Institute of Mathematics named after V. I. Romanovskiy, Samarkand State University, Fergana State University, Urgench State University, Karshi State University, Bukhara State University.
Main Topics: Equations of mathematical physics; Partial differential equations of mixed, composite, and mixed-composite types; Equations of degenerate type; Equations with multiple characteristics; Free boundary problems; Spectral theory for differential operators; Inverse and improperly posed problems; Control theory; Mathematical modeling of nonlinear processes; Theory of real operator algebras and Leibniz algebras; Multidimensional potential theory and other questions of complex analysis.
Deadlines: Deadline for registration is May 1, 2004. Deadline for submission of papers is July 1, 2004.
Contact: A. Khashimov, Institute of Mathematics, F. Khodjaev str. 29, 700125, Tashkent, Uzbekistan; phone (998-71)162-9531, (998-71)162-7544; email: `mathinst@uzsci.net`, `m.aripov@nuuz.uzsci.net`.
Information: To participate in the conference it is necessary to fill out the registration form and send it to the Local Organizing Committee. Conference materials will be published by the beginning of the conference. Additional information is available at `http://www.deit.tkt.uz`.

*22–26 **Workshop on Variance Estimation in Stereology**, Aarhus, Denmark.
Information: `http://www.imf.au.dk/conferences/VSE2004/`.

December 2004

*14–16 **Sixth IMA International Conference on Mathematics in Signal Processing**, The Royal Agricultural College, Cirencester, UK.
Information: Up-to-date information about the conference programme, accommodations and travel to Cirencester can be found on our website: `http://www.ima.org.uk/mathematics/conferences.htm`.
Keynote Speaker: Louis Scharf, Colorado State University.
Members of the Organizing Committee: J. G. McWhirter (Conference Chairman) (QinetiQ, Malvern), I. K. Proudler (Technical Programme Chairman) (QinetiQ, Malvern), S. D. Hayward (QinetiQ, Malvern), O. R. Hinton (University of Newcastle) S. McLaughlin (University of Edinburgh), E. Stansfield (Thales), P. White (ISVR, University of Southampton).

January 2005

*6–9 **24th Nordic and 1st Franco-Nordic Congress of Mathematicians**, University of Iceland, Reykjavik, Iceland.

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 held in North America 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. Meetings held outside the North American area may carry more detailed information. In any case, 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/`.

Aim: The main goal of the congress is to bring together mathematicians to present recent results in several important areas of research in the Nordic countries and France. Around half the programme will be devoted to 3 main themes: Algebraic Geometry, Geometric Analysis, and Probability. Satellite meetings will be organized the days before the congress.

Scientific Committee: Hermann Thorisson (chair) (Iceland), Jon Kr. Arason (Iceland), Gerd Grubb (Denmark), Christer Kiselman (Sweden), Jean-Francois Le Gall (France), Pekka Koskela (Finland), Mireille Martin-Deschamps (France), Ragni Piene (Norway), and Michel Waldschmidt (France).

Plenary Speakers: Sigurdur Helgason (Iceland/USA), Marc Yor (France), Michele Audin (France), Sergey Neshveyev (Norway), Henrik Schlichtkrull (Denmark), Cedric Villani (France), Francois Loeser (France), Anders Buch (Denmark), Mikael Passare (Sweden), Xiao Zhong (Finland), Olav Kallenberg (Sweden/USA).

Information: email: `FrancoNordicCongress@raunvis.hi.is`, website: `http://www.raunvis.hi.is/1FrancoNordicCongress/`.

* 10-14 **International Symposium on "Variational Methods and Nonlinear Differential Equations on the Occasion of the 60th Birthday of Antonio Ambrosetti"**, University of Rome 3, Rome, Italy.

Plenary Speakers: H. Amann (Zurich), D. Arcoya (Granada), A. Bahri (Rutgers), H. Berestycki (EHESS, Paris), H. Brezis (Paris VI), D. G. de Figueiredo (Campinas), I. Ekeland (British Columbia), M. J. Esteban (Paris IX), J. L. Gamez (Granada), J. Garcĭa Azorero (UAM, Madrid), Y. Y. Li (Rutgers), Y. Long (Nankai), J. Mawhin (Louvain), W.-M. Ni (Minnesota), L. Nirenberg (Courant Inst., NYU), I. A. Peral (UAM, Madrid), P. H. Rabinowitz (Wisconsin), E. Sèrè (Paris IX), J. Serrin (Minnesota), S. Spagnolo (Pisa), M. Struwe (ETH, Zurich), C.A. Stuart (EPF, Lausanne), K. Tanaka (Waseda, Tokyo), R.E. Turner (Wisconsin), Z.-Q. Wang (Utah).

Information: `http://www.mat.uniroma3.it/AnalisiNonLineare/roma05.html`.

March 2005

* 6-12 **International Conference on Algebras, in Memory of Kostia Beidar**, National Cheng Kung University, Tainan, Taiwan.

Aims: The conference is dedicated to the memory of Professor Kostia Beidar, one of the founders of the Taiwan ring-theoretic center. The aim of the conference is to highlight the recent developments in theory of rings and modules and linear algebra.

Organizers: M. Chebotar (Tula University, Tula, Russia), Y. Fong (National Cheng Kung University, Tainan, Taiwan), W.-F. Ke (National Cheng Kung University, Tainan, Taiwan), P.-H. Lee (National Taiwan University, Taipei, Taiwan).

Invited Speakers: Matej Bresar (Slovenia), Surender Jain (USA), Tsit-Yuen Lam (USA), Lenny Makar-Limanov (USA), Wallace Martindale (USA), Gueter Pilz (Austria), Edmund Puczylowski (Poland), Robert Raphael (Canada), Peter Semrl (Slovenia), Blas Torrecillas (Spain), Richard Wiegandt (Hungary), Robert Wisbauer (Germany).

Deadlines: Those who are interested in taking part please send an email to Wen-Fong Ke (`wfke@mail.ncku.edu.tw`) or fill out the registration form on the webpage. You will then receive a second announcement containing accommodation and travel information sometime in October 2004. The deadline for sending in titles and abstracts is January 15, 2005.

Information: `http://moonstone.math.ncku.edu.tw/AlgebraConference/`; email: `wfke@mail.ncku.edu.tw`.

* 27-31 **The 3rd International Conference on Sciences of Electronic, Technologies of Information and Telecommunications (SETIT 2005)**, Susa, Tunisia.

Submissions: The paper submission can be done online at `http://www.conference-papers.org/`. Accepted papers will be published in the conference proceedings with the ISBN: 973-51-546-3.

Solicitations: Papers are solicited in the following areas: Information Processing, Signal Processing, Image and Video, Multimedia, Telecommunications & Networks, Electronic, Applications.

Important Dates: September 30, 2004, for submission of articles and tutorials; December 31, 2004, for notification of acceptance; January 15, 2005, for submission of final versions.

Information: `http://www.universites.tn/setit`.

* 29-April 1 **14th International Workshop on Matrices and Statistics**, Massey University, Albany Campus, Auckland, New Zealand.

Description: The purpose of the workshop is to stimulate research and, in an informal setting, to foster the interaction of researchers at the interface between statistics and matrix theory. The workshop will provide a forum through which statisticians may be better informed of the latest developments and newest techniques in linear algebra and matrix theory and may exchange ideas with researchers from a wide variety of countries. The workshop will include invited and contributed talks. It is intended that refereed conference proceedings will be published.

Organizers: The local Organizing Committee is chaired by Jeff Hunter; email: `j.hunter@massey.ac.nz`. The International Organizing Committee consists of George Styan (Chair), email: `styan@math.mcgill.ca`; Hans Joachim Werner (Vice-Chair), email: `werner@united.econ.uni-bonn.de`; and Simo Puntanen,

Information: Further details will become available on the conference website, `http://iwms2005.massey.ac.nz/`. The website will be updated on a regular basis.

April 2005

* 4-8 **Stiff Sources and Numerical Methods for Conservation Laws**, AIM Research Conference Center, Palo Alto, California.

Organizers: Doron Levy and Benoit Perthame.

Workshop Topics: This workshop, sponsored by AIM and the NSF, will focus on unifying techniques that were developed in different application areas and on exploring new application areas where existing techniques have not yet been applied.

Deadline: January 15, 2005.

Information: `http://aimath.org/ARCC/workshops/balancelaws.html`.

May 2005

* 15-18 **HPCS 2005: The New HPC Culture in Canada, The 19th Annual Symposium on High Performance Computing Systems & Applications**, University of Guelph, Guelph, Ontario, Canada.

Host:] SHARCNET. The Shared Hierarchical Academic Research Computing Network `http://www.sharcnet.ca/events/hpcs2005/`, submit papers via email: `hpcs2005@sharcnet.ca`.

Call for Papers: HPCS is a multi-disciplinary meeting to discuss new and exciting scientific and technical work involving High Performance Computing. Researchers from all disciplines in the sciences, engineering, mathematics and applied human sciences are invited to participate. Students are particularly encouraged to submit papers. There will be multiple parallel paper sessions as well as poster presentations, industrial events and discussion forums. HPCS 2005 has designated eight themes but all relevant HPC and HPC-related research will be considered.

Deadline: December 15, 2004.

* 15-18 **OSCAR'05: The 3rd Annual Symposium on Open Source Cluster Application Resources (OSCAR)**, University of Guelph, Guelph, Ontario, Canada.

Topics of Interest: Authors are encouraged to submit papers related to OSCAR software stack, including but not limited to the following: experiences using the OSCAR environment, packages to consider adding to the OSCAR software stack, clustering Frameworks, cluster and Grid as it relates to OSCAR, experiences creating OSCAR packages, proposals for new OSCAR projects or distributions, experiences creating new OSCAR distributions, cluster tools, design proposals, experiences in cluster and grid computing.

Submission Guidelines: All accepted papers will appear in the proceedings to be published by the IEEE. Formatting information will be available on the conference website. Papers will be limited to 7 pages.

Submission Deadline: December 15, 2004.

Call for Papers: With over 130,000 downloads since its first public release in April 2001, OSCAR's popularity speaks to its effectiveness in providing cluster installation, management, and computing software stack. OSCAR is a snapshot of best-known methods for building, programming and using clusters. OSCAR started as a traditional Beowulf software stack; has expanded in recent years to embrace numerous cluster computing styles, including diskless, high-availability, scalable systems, and single system image. The project is an open effort among industry, academic and research groups to help simplify the setup and management of computing clusters.

Information: `http://www.csm.ornl.gov/oscar05`. Submit papers via email: `oscar05@mailhub.ornl.gov`. Further information is available at the OSCAR website: `http://oscar.openclustergroup.org/`.

* **15–21 43rd International Symposium on Functional Equations**, Batz-sur Mer, France.

Topics: Functional equations and inequalities, mean values, functional equations on algebraic structures, Hyers-Ulam stability, regularity properties of solutions, conditional functional equations, iteration theory, functional-differential equations; applications of the above, in particular to the natural, social, and behavioral sciences.

Organizer: Nicole Brillouët-Belluot, Ecole Centrale de Nantes, Département d'Informatique et des Mathématiques, 1 rue de la Noë, BP 92101, F-44321 Nantes Cedex 3, France (`Nicole.Belluot@ec-nantes.fr`).

Scientific Committee: J. Aczél (Honorary Chair; Waterloo, ON, Canada), Z. Daróczy (Debrecen, Hungary), R. Ger (Chair; Katowice, Poland), J. Rätz (Bern, Switzerland), L. Reich (Graz, Austria), and A. Sklar (Chicago, IL, U.S.A.).

Information: Participation at these annual symposia is by invitation only. Those wishing to be invited should send details of their interest and, preferably, publications (paper copies) and/or manuscripts, with their postal and email addresses, to R. Ger, Institute of Mathematics, Silesian University, Bankowa 14, PL-40-007 Katowice, Poland (`romanger@us.edu.pl`), before March 1, 2005.

* **16–20 Stability Criteria for Multi-dimensional Waves and Patterns**, AIM Research Conference Center, Palo Alto, California.

Organizers: Christopher K. R.T. Jones, Yuri Latushkin, Robert Pego, Arnd Scheel, and Bjorn Sandstede.

Deadline: February 5, 2005.

Information: `http://aimath.org/ARCC/workshops/multidimwaves.html`.

June 2005

* **7–10 SIAM Conference on Mathematical and Computational Issues in the Geosciences**, Palais des Papes, The International Conference Center, Avignon, France.

Description: From points of view ranging from science to public policy, there is burgeoning interest in modeling of geoscientific problems. Some examples include petroleum exploration and recovery, underground waste disposal and cleanup of hazardous waste, earthquake prediction, weather prediction, and global climate change. Such modeling is fundamentally interdisciplinary; physical and mathematical modeling at appropriate scales, physical experiments, mathematical theory, probability and statistics, numerical approximations, and large-scale computational algorithms all have important roles to play.

Purpose: This conference facilitates communication between scientists of varying backgrounds and work environments facing similar issues in different fields and provides a forum in which

advances in parts of the larger modeling picture can become known to those working in other parts. These kinds of interactions are needed for meaningful progress in understanding and predicting complex physical phenomena in the geosciences.

Information: `http://www.siam.org/meetings/gs05/index.htm`.

* **7–17 Fields Institute Summer School on Operator Algebras**, University of Ottawa, Ottawa, Ontario, Canada.

Program: A two weeks' summer school will consist of short introductory courses in various areas of operator algebra theory of major current interest.

List of Courses: 1) Ian Putnam: C*-algebras and dynamical systems; 2) Michael Rordam: Amenable C*-algebras and their classification; 3) Nigel Higson: An introduction to noncommutative geometry; 4) Roland Speicher: Free probability theory; 5) Marius Junge: An introduction to the theory of operator spaces.

Funding Support: Funding support for graduate students and postdoctoral fellows to cover travel and local expenses will be available through Fields Institute.

Information: `http://www.fields.utoronto.ca/programs/scientific/04-05/opalg_school/`.

* **19–24 33rd Canadian Operator Symposium (COSy), dedicated to George Elliott's 60th birthday**, University of Ottawa, Ottawa, Ontario, Canada.

General information: The meeting, sponsored by the Fields Institute, immediately follows the Summer School on Operator Algebras (June 7–17, 2005).

Funding Support: Funding Support for graduate students and postdoctoral fellows to cover travel and local expenses will be available through the Fields Institute.

Registration: To be informed of when registration opens please contact email: `gensci@fields.utoronto.ca`.

Information: `http://www.fields.utoronto.ca/programs/scientific/04-05/COSy/`.

* **19–24 First Announcement: Conference on Applied Mathematics and Scientific Computing 4: On the occasion of Professor Aganovic's 70th birthday**, Brijuni, Croatia.

Topics: Mathematical methods in fluid mechanics (main topic)-Splines and wavelets with applications to CAGD, CAD/CAM, computer graphics and differential equations-Ordinary and partial differential equations, integral equations, singular perturbation problems-Mathematics of Finance-Numerical Mathematics in general-Optimization-Scientific Computing-Engineering.

List of Invited speakers (temporary): Maria Rosaria Padula, Univ. of Ferara, Italy; Sunèica Èaniæ, Univ. of Houston, USA; Alain Bourgeat, Univ. Lyon 1, France; Andro Mikeliæ, Univ. Lyon 1, France; Kreúimir Veseliæ, Fernuniversitat, Hagen, Germany; Brahim Amaziane, Univ. of Pau, France.

Organizer: Department of Mathematics, Univ. of Zagreb; Phone: 385-1-4605745; fax: 385-1-4680335; email: `ApplMath03@math.hr`.

Further Information: `http://ApplMath05.math.hr`.

* **19–July 8 Random processes, random matrices and integrable systems (C.R.M. Short Program)**, Centre de recherches mathématiques, Université de Montréal.

Organizers: John Harnad (CRM, Concordia); Jacques Hurtubise (CRM, McGill).

Speakers: M. Adler, P. Bleher, A. Its, C. Tracy, P. Van Moerbeke, H. Widom, K. McLaughlin, M. Bertola, B. Eynard, P. Wiegmann, and others Topics: Spectral theory of random matrices, Determinantal ensembles; Dyson processes; Airy, Bessel, sine and Laguerre processes, Matrix Riemann Hilbert methods, applications to large N asymptotics, Differential equations for gap distributions and transition probabilities, Applications to random tilings, random graphs, random partitions, Relations to integrable systems and isomonodromic deformations.

Deadlines: Application for participation: May 1, 2005. Application for financial support: March 1, 2005.

Information:`http://omega.crm.umontreal.ca/~physmath/home.dir/RANDOM.dir/random-workshop.html`.

July 2005

*2–9 **Mile High Conference on Quasigroups, Loops and Nonassociative Systems**, University of Denver, Denver, Colorado.
Topics: nonassociative algebra, quasigroups, loops.
Information: `http://www.math.du.edu/milehigh`; email: `milehigh@nsm.du.edu`.

*10–15 **SampTA05 (Sampling Theory and applications)**, Ondokuz Mayýs University Samsun, Turkey.
Objective: The objective of SampTA05 International Conference is to bring together mathematicians, engineers and applied scientists interested in sampling theory and its applications to exchange results in the following areas: Topics include, but not limited to 1.Nonuniform sampling, 2.Numerical methods and fast numerical algorithms, 3.Sampling and interpolation in spline-type spaces, 4.Effective bandwidth and noise reduction, 5.Frames,non-orthogonal expansions and applications, 6.Greedy algorithms and thresholding methods, 7.Radial basis functions, 8.Wavelet and Gabor methods in sampling theory, 9.Sampling topics related to wavelet and Gabor theory.
Information: `http://sampta05.omu.edu.tr`.

*10–16 **Stochastic Modelling of Complex Systems (SMOCS-05)**, Daydream Island resort (Whitsundays, Queensland, Australia).
Information: `http://www.conferences.unimelb.edu.au/smocs05/index.html`.

*11–15 **Gravitational Lensing in the Kerr Spacetime Geometry**, AIM Research Conference Center, Palo Alto, California.
Workshop topics: This workshop, sponsored by AIM and the NSF, will be devoted to advancing the understanding of gravitational lensing by spinning lenses in both the weak and strong field regimes. The main purpose of the workshop is to promote research into this relatively unexplored problem by surveying, discussing and transmitting the current status of spinning lenses to a diverse group of participants, including graduate students, post-doctoral fellows, and faculty. A specific goal of the workshop is to characterize the signatures of spinning lenses in a unified and systematic way that will be useful to researchers new to the field.
Application deadline: March 18, 2005.
Information: `http://aimath.org/ARCC/workshops/lensing.html`.

*11–16 **Strings 2005, Toronto**, University of Toronto, Toronto, Ontario, Canada.
Information: email: `abrand@fields.utoronto.ca`.

*18–23 **Algorithms for Approximation V**, University College, Chester, UK.
Description: The Roman City of Chester, UK, will host the fifth International Algorithms for Approximation Conference. This conference brings together approximation theorists and practical users of approximation theory, both from academia and industry, for a sharing of ideas and practices. The previous conferences in this series have been very successful, the last having over 100 delegates, and the speakers, as in previous years, are world leaders in their fields.
Speakers: R. Beatson, Christchurch, NZ; C. Burges, Microsoft (US)' N. Dyn, Tel Aviv, Israel; C. Farmer, Schlumberger and Oxford, UK; A. Forbes, NPL, UK; A. Iske, Leicester, UK; A. Kunoth, Bonn, Germany; C. Manni, Rome, Italy; M. Neamtu, Vanderbilt (US); E. Quak, SINTEF, Norway; M. Unser, Lausanne, Switzerland; E. Weniger, Regensburg, Germany.
Special sessions: On RBFs, data mining, machine learning, spectral methods, metrology, wavelets, fast evaluation, and imaging.
Information: `http://scom.hud.ac.uk/scomjkb/a4a5`.

Organizers: Jeremy Levesley (Leicester, UK), John Mason (Huddersfield, UK), Andrew Crampton (Huddersfield, UK), Neville Ford (Chester, UK).

*20–27 **The 5th International Algebraic Conference in Ukraine**, Odessa I. I. Mechnikov National University, Odessa, Ukraine.
Topical Sections: (1) Rings and Modules; (2) Theory of Groups; (3) Groups and Algebraic Dynamics; (4) Algebraic Geometry, Theory of Representations and Linear algebra; (5) The Analytical and Algebraic Theory of Numbers; (6) Computer Algebra and Discrete Mathematics; (7) Topological Methods in Algebra; (8) Semigroups and Algebraic Systems.
Information: Prof. Dr. P.D. Varbanets, Department of Mathematics, Economics and Mechanics, Odessa I.I. Mechnikov National University, 2 Dvoryanskaya str., 65026 Odessa, Ukraine; fax: +38 (0482) 23-82-00; tel: +38 (0482) 68-83-29; email: `algconf@imem.odessa.ua`; email: `varb@te.net.ua`.
Information and registration: `http://www.imem.odessa.ua/algconf`.
Deadline: April 15, 2005.

August 2005

*8–13 **XX Nevanlinna Colloquium**, ETH Lausanne, Lausanne, Switzerland.
Topics: Geometric invariants of Riemannian surfaces and hyperbolic manifolds.Kleinian groups, arithmetic groups, discrete subgroups of Lie groups. Numerical methods in conformal geometry. Quasiregular maps. Geometric analysis.
Information: `http://www.math.ch/Conferences/Conferences.html#temps`.

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.

August 2006

*22–30 **International Congress of Mathematicians**, Madrid, Spain.
Information: `http://www.icm2006.org`.