

---

# Mathematics Calendar

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

## February 2004

\* **7–8 Geometric Analysis and Its Applications: A Conference in Honor of Edgar Feldman**, The CUNY Graduate Center, New York City, New York.

**Description:** The conference and banquet in honor of Edgar Feldman will be held on Sunday, February 8, preceded by selected contributed talks on Saturday, February 7.

**Speakers:** J. Cheeger, D. Sullivan, I. Chavel, T. Ilmanen (unconfirmed), M. Hillery.

**Organizers:** I. Chavel, J. Dodziuk, C. Sormani.

**Deadlines:** January 1, 2004, for abstracts of contributed talks. Selected speakers will be notified by January 15, 2004. Send abstracts to [sormani@comet.lehman.cuny.edu](mailto:sormani@comet.lehman.cuny.edu).

**Information:** <http://comet.lehman.cuny.edu/sormani/conf/Feldman/feldman.html>.

## April 2004

\* **9–10 CombinaTexas 2004: Combinatorics in the South-Central U.S.**, Texas A&M University, College Station, Texas.

**Focus:** The focus of CombinaTexas'04 will be on algebraic methods in combinatorics and combinatorial optimization.

**Topics:** The conference topics range over a variety of areas around the special focus, including discrete geometry, enumerative combinatorics, extremal graph theory, combinatorial game theory, network models and algorithms, optimization, and probabilistic methods.

**Plenary Talks:** Will be given by the following scholars: I. Dragan (Univ. of Texas at Arlington); I. Gessel (Brandeis Univ.); I. Hicks (Texas A&M Univ.); M. Karonski (Adam Mickiewicz and Emory Univ.); D. T. Lee (Acad. Sinica (ROC) and Northwestern Univ.); B.

Sudakov (Princeton Univ.); T. Warnow (Univ. of Texas at Austin); X. Yu (Georgia Inst. of Tech.).

**Sessions:** There will be sessions of contributed papers and poster exhibitions, for which we welcome submissions. The deadline for submitting a title and an abstract for the short communications is March 26, 2004.

**Support:** The conference is supported by the National Science Foundation and Texas A&M University. Everyone is welcome to participate. There are no registration fees, and limited support for participants is available.

**Information:** For more information, see the conference homepage at <http://www.math.tamu.edu/~cyan/combinatexas>. Among the links from this page is a registration form, with which you can apply for support and/or submit an abstract for the sessions of contributed papers and the poster exhibitions.

**Organizers:** For further inquiries you may contact: C. Yan, Texas A&M Univ., email: [cyan@math.tamu.edu](mailto:cyan@math.tamu.edu); R. Ellis, Texas A&M Univ., email: [rellis@math.tamu.edu](mailto:rellis@math.tamu.edu); D. Ferrero, Texas State Univ.-San Marcos, email: [dferrero@txstate.edu](mailto:dferrero@txstate.edu); X. Jia, Texas State Univ.-San Marcos, email: [jia@txstate.edu](mailto:jia@txstate.edu).

\* **15–17 Aspects of Large Quantum Systems Related to Bose-Einstein Condensation**, Department of Mathematical Sciences, University of Aarhus, Denmark.

**Purpose:** The workshop will present results on, and discuss aspects of, large quantum systems related to Bose-Einstein condensation.

**Aim:** The aim is to consider three themes—existence of BEC, dimensionality, dynamics and cooling—from three points of view: mathematical, theoretical, experimental. The workshop will gather participants covering all three points of view, with the hope of furthering interaction between the participants and fostering

---

**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](mailto:notices@ams.org) or [mathcal@ams.org](mailto: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, 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/>.

a fruitful exchange of ideas and possible directions of future research.

**Information:** <http://www.maphysto.dk/events2/LQSBE04/>.

### May 2004

---

\* 11–15 **Recent Trends in Kinetic Theory and Its Applications**, Institute of Mathematics, Kyiv, Ukraine.

**Sponsors:** Institute of Mathematics NASU (Kyiv), Bogolyubov Institute for Theoretical Physics NASU (Kyiv), Wolfgang Pauli Institute (Vienna), INTAS project “Partial Differential Equations Modeling Semiconductors” (No. 001-15).

**Main Topics:** Many-particle dynamics and derivation of kinetic equations; Quantum evolution equations and Wigner transforms; Nonlinear kinetic equations and asymptotic theory; Applications: granular media, dusty plasmas, semiconductor devices, biologically motivated problems; New mathematical ideas in kinetic theory.

**Scientific Committee:** P. Markowich, chairman (Austria); A. Samoilenko, co-chairman (Ukraine); A. Zagorodnyi, co-chairman (Ukraine); D. Petrina, co-chairman (Ukraine); P. Degon (France); V. Gerasimenko (Ukraine); N. Mauser (Austria); N. Nurlybaev (Kazakhstan); M. Rasulova (Uzbekistan); Ya. Sinai (USA, Russia); A. Sinityn (Russia); G. Toscani (Italy).

**Local Organizing Committee:** V. Gerasimenko (chairman), R. Cherniha, W. Skrypnik, V. Zasenko, P. Malyshev, T. Ryabukha, Zh. Artemichenko.

**Deadline:** Deadline for submission of the abstracts is March 1, 2004.

**Information:** To participate in the conference it is necessary to fill out the Registration Form and send it to the Local Organizing Committee. Abstracts of conference lectures and communications will be published by the beginning of the conference. The Organizing Committee plans to publish the proceedings of the conference. Participants may submit their contributions to the proceedings during the conference.

**Contacts:** V. I. Gerasimenko, Institute of Mathematics NASU 3, Tereshchenkivska str. 01601, Kyiv-4, Ukraine; phone: 38(044)234-45-64; fax: 38(044)235-20-10; email: kinco@imath.kiev.ua. Additional information about the conference may be obtained at: <http://www.imath.kiev.ua>, <http://www.bitp.kiev.ua>, <http://www.nas.gov.ua/pwj>.

\* 13–15 **Sixth International Joint Meeting of the AMS and the Sociedad Matematica Mexicana (SMM)**, Hyatt Regency Houston, Houston, Texas.

**Information:** <http://www.ams.org/amsmtgs/internmtgs.html>.

\* 24–June 11 **School on Commutative Algebra and Interactions with Algebraic Geometry and Combinatorics**, ICTP, Trieste, Italy.

**Description:** Part of Abdus Salam International Centre for Theoretical Physics (ICTP) 2004 theme year “Algebra: Commutative and Non-commutative”.

**Directors:** A. Simis (Univ. Federal de Pernambuco, Recife, Brazil), N. V. Trung (Acad. of Sciences of Vietnam, Hanoi, Vietnam), G. Valla (Univ. di Genova, Italy).

**Local Organizer:** R. T. Ramakrishnan.

**Deadline for Requesting Participation:** January 10, 2004.

**Information:** <http://agenda.ictp.trieste.it/smr.php?1563>.

\* 30–June 5 **Commutative Rings and Their Modules**, Cortona, Italy.  
**Aim:** To bring together researchers in the areas of commutative ring theory and module theory.

**Topics:** The main emphasis of the workshop is on almost perfect rings and their modules; tilting torsion theories, tilting and cotilting modules on commutative rings; integer valued polynomials; multiplicative ideal and module systems, star and semistar operations, Gabriel-Popescu localizing systems; Krull and Mori domains; chain conditions and prime spectrum; Pruefer domains and their generalizations; factorization and divisibility properties, decomposition

of ideals, class groups. Young researchers approaching these areas are welcome.

**Scientific Committee:** M. Fontana (Univ. degli Studi Roma Tre), L. Fuchs (Tulane Univ., New Orleans), S. Gabelli (Univ. degli Studi Roma Tre), E. G. Houston (Univ. of North Carolina, Charlotte), L. Salce (Univ. degli Studi di Padova), P. Zanardo (Univ. degli Studi di Padova).

**Organizing Committee:** F. Girolami (Univ. degli Studi Roma Tre), G. Picozza (Univ. degli Studi Roma Tre), F. Tartarone (Univ. degli Studi Roma Tre).

**Information:** <http://www.mat.uniroma3.it/seminari/conferenze/cortona2004.htm>.

### June 2004

---

\* 2004 **Fifth Edition of the International Conference on Functional Analysis and Approximation Theory**, Acquafredda di Maratea, Potenza, Italy.

**Information:** A. Attalienti; email: [attalienti@matfin.uniba.it](mailto:attalienti@matfin.uniba.it).

\* 6–10 **Joint Summer Research Conference: String Geometry**, Snowbird Resort, Snowbird, Utah.

**Information:** G. Alsfeld, email: [gma@ams.org](mailto:gma@ams.org), <http://www.ams.org/meetings/src.html>.

\* 13–17 **Joint Summer Research Conference: Complex Dynamics: Twenty-Five Years after the Appearance of the Mandelbrot Set**, Snowbird Resort, Snowbird, Utah.

**Information:** G. Alsfeld, email: [gma@ams.org](mailto:gma@ams.org), <http://www.ams.org/meetings/src.html>.

\* 18–20 **High Performance Software for Nonlinear Optimization: Status and Perspectives**, Ischia, Italy.

**Description:** The conference provides an overview on advances in the field of nonlinear optimization, including algorithms, software evaluation, implementation issues, applications and future areas of research, presented by expert researchers in the field.

**Lectures:** Lectures will be given by guest speakers and by authors of selected contributed papers.

**Invited Speakers:** P. M. Pardalos, M. Wright, J. T. Linderoth, P. Messina, C. Floudas, R. Vanderbei, and S. Leyffer.

**Information:** <http://www.ise.ufl.edu/cao/hpsno04/>.

\* 21–July 2 **SMS-NATO Advanced Summer Institute: Morse Theoretic Methods in Non-linear Analysis and Symplectic Topology**, Université de Montréal, Canada.

**Partial List of Subjects:** Floer homological methods in symplectic topology; Lagrangian geometry and topology; Analysis behind symplectic field theory; Generating functions and applications; Morse theory; Graphs and loop spaces; Homotopy theoretic tools in finite and infinite dimensional Morse theory; The Morse complex for infinite dimensional manifolds; The Conley index in Hilbert spaces with applications; Topology of robot motion planning.

**Invited Speakers:** A. Abbondandolo, P. Biran, R. Cohen, O. Cornea, M. Farber, K. Fukaya, H. Hofer, M. Izydorek, Y.-G. Oh, L. Polterovich, M. Schwarz, C. Viterbo.

**Deadline:** March 8, 2004.

**Information:** <http://www.dms.umontreal.ca/sms>, email: [sms2004@dms.umontreal.ca](mailto:sms2004@dms.umontreal.ca).

\* 28–July 1 **Applications and Advances of Plausible and Paradoxical Reasoning for Data Fusion (DSmT)**, Stockholm, Sweden.

**Topics:** Theoretical advances on DSmT; Applications of DSmT (defense, data association, image fusion, tracking, classification, financial markets, medicine, economics, etc.); Connection and comparison of classic data fusion approaches with DSmT; Dynamic/temporal fusion of sources with hybrid models (exclusivity and/or nonexistential constraints of frame of discernment evolving with time); Decision making under DSmT framework; Challenges

and open questions on data fusion of uncertain, incomplete, imprecise, and high conflicting sources of information.

**Deadlines:** Submission of draft papers: January 1, 2004; Proposals for tutorial sessions: February 1, 2004; Notification of acceptance of tutorials: February 15, 2004; Notification of acceptance of papers: March 15, 2004; Submission of final papers: May 1, 2004.

**Information:** <http://www.fusion2004.org/>.

## July 2004

\* 4–8 **Joint Summer Research Conference: Algebraic Geometry: Presentations by Young Researchers**, Snowbird Resort, Snowbird, Utah.

**Information:** G. Alsfeld, email: [gma@ams.org](mailto:gma@ams.org), <http://www.ams.org/meetings/src.html>.

\* 11–15 **Joint Summer Research Conference: Representations of Algebraic Groups, Quantum Groups, and Lie Algebras**, Snowbird Resort, Snowbird, Utah.

**Information:** G. Alsfeld, email: [gma@ams.org](mailto:gma@ams.org), <http://www.ams.org/meetings/src.html>.

\* 12–15 **8th WSEAS CSCC**, Vouliagmeni, Athens, Greece.

**Topics:** Circuits, Systems, Communications, Computers.

**Other Joint Symposia:** 11th WSEAS Int. Conf. on Electrosience and Technology for Naval Engineering and All-Electric Ship; 2nd WSEAS Int. Conf. on Multidimensional Systems (MDS 2004).

**Information:** <http://www.wseas.org>.

\* 18–23 **Joint Summer Research Conference: Gaussian Measure and Geometric Convexity**, Snowbird Resort, Snowbird, Utah.

**Information:** G. Alsfeld, email: [gma@ams.org](mailto:gma@ams.org), <http://www.ams.org/meetings/src.html>.

\* 19–August 6 **Summer School and Conference on Dynamical Systems**, ICTP, Trieste, Italy.

**Description:** Part of Abdus Salam International Centre for Theoretical Physics (ICTP) 2004 theme year “Algebra: Commutative and Non-commutative”.

**Directors:** M. Viana (IMPA, Brazil), J.-C. Yoccoz (Collège de France).

**Honorary Directors:** J. Palis (IMPA, Brazil), Ya. Sinai (Princeton Univ. & Landau Inst., Russia).

**Local Organizer:** B. Fantechi (SISSA).

**Deadline:** March 15, 2004.

**Information:** <http://agenda.ictp.trieste.it/smr.php?1573>.

## August 2004

\* 9–27 **Advanced School & Conference on Non-commutative Geometry**, ICTP, Trieste, Italy.

**Description:** Part of Abdus Salam International Centre for Theoretical Physics (ICTP) 2004 theme year “Algebra: Commutative and Non-commutative”.

**Directors:** O. A. Laudal (Univ. of Oslo, Norway), C. Procesi (Univ. “La Sapienza”, Roma, Italy), M. Van den Bergh (Limburgs Univ. Centrum, Diepenbeek, Belgium).

**Deadline:** February 28, 2004.

**Information:** <http://agenda.ictp.trieste.it/smr.php?1576>.

## September 2004

\* 14–18 (REVISED) **Third International Conference on Boundary Integral Methods: Theory and Applications**, University of Reading, United Kingdom. (Nov. 2002, p. 1287)

**Description:** As well as discussing recent developments in the theory and numerical analysis of boundary integral equations, the conference will strive to encompass applications of contemporary relevance such as direct and inverse (medium and high) frequency scattering, electromagnetics and moving boundary problems in

hydrodynamics. Continuing progress in key computational techniques such as multipole, wavelets and panel clustering, together with innovative algorithm design, will be an additional theme.

**Conference Organizing and Scientific Committee:** S. Amini (Univ. of Salford), S. Chandler-Wilde (Brunel Univ., chair), K. Chen (Univ. of Liverpool), P. Davies (Univ. of Strathclyde), I. Graham (Univ. of Bath), P. Martin (Colorado School of Mines).

**Information:** <http://www.ima.org.uk/mathematics/boundary.htm>.

## October 2004

\* 23–24 **AMS Central Section Meeting**, Northwestern University, Evanston, Illinois.

**Information:** <http://www.ams.org/amsmtgs/sectional.html>.

## November 2004

\* 7–9 **Constructive Functions Tech-04**, Georgia Institute of Technology, Atlanta, Georgia.

**Description:** The conference, in honor of the sixtieth birthday of Ed Saff, will focus on all areas of constructive function theory and their applications. In particular, there will be a focus on orthogonal polynomials, potential theory, approximation theory, numerical analysis, wavelets, and Riemann-Hilbert methods.

**Invited Speakers:** S. Aptekarev (Russ. Acad. of Sci.); J. Baik (Ann Arbor, Michigan); L. Baratchart (INRIA, France); W. Dahmen (Aachen, Germany); R. DeVore (Columbia, South Carolina); A. Kuijlaars (Leuven, Belgium); A. Martinez-Finkelshtein (Almeria, Spain); E. Levin (Open Univ., Israel); H. Mhaskar (California State Univ., Los Angeles); I. Pritsker (Stillwater, Oklahoma); A. Ron (Madison, Wisconsin); B. Simon (Caltech); I. Sloan (Univ. of New South Wales, Australia); H. Stahl (TFH, Berlin, Germany); N. Stylianopoulos (Univ. of Cyprus); V. Totik (Bolyai Institute, Hungary); R. Varga (Kent State Univ.); Y. Xu (Eugene, Oregon).

**Organizing Committee:** L. Baratchart, R. DeVore, J. Geronimo, A. Kroo, X. Levin, D. Lubinsky, N. Papamichael, I. Pritsker, S. Ruscheweyh, V. Totik, R. Varga.

**Information:** Preliminary registration can be completed online (without payment) at <http://www.math.gatech.edu/news/conferences/at04/>. Further information is available there and will be updated periodically.

---

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.

## June 2005

\* 13–18 **Computational Methods and Function Theory (CMFT 2005)**, Joensuu, Finland.

**Description:** The general theme of the meeting concerns various aspects of interaction of complex variables and scientific computation, including related topics from function theory, approximation theory, and numerical analysis.

**Program:** The program consists of invited one-hour lectures, invited and contributed 25-minute talks, and poster sessions.

**Organizing Committee:** St. Ruscheweyh (Würzburg), E. Saff (Nashville), O. Martio (Helsinki), and I. Laine (Joensuu).

**Remark:** Limited funds available for partial support of travel/local expenses of participants from developing countries.

**Contact:** email: [cmft@joensuu.fi](mailto:cmft@joensuu.fi).

**Information:** <http://www.joensuu.fi/cmft/>.