

Mathematics Calendar

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

February 2000

*24–26 **Third New Mexico Analysis Seminar**, New Mexico State University, Las Cruces, New Mexico.

Main Speaker: K. Okikiolu, Univ. of California at San Diego, “Spectral Zeta Functions in Riemannian Geometry”.

Program: This seminar is organized each spring by analysis aficionados at New Mexico State University and The University of New Mexico. The goal is to provide an opportunity for scientific exchange and cooperation among broadly defined analysts. The centerpiece of the seminar is a series of one-hour lectures given by a keynote speaker. There is time allocated for shorter contributed talks. If you would like to attend and/or give a talk, please contact one of the organizers by January 31, 2000. The organizers will try to cover accommodations for graduate students.

Organizers: J. Alvarez (jalvarez@math.nmsu.edu), J. Lakey (jlakey@math.nmsu.edu), C. Pereyra (crisp@math.unm.edu).

Information: J. Alvarez (jalvare3z@math.nmsu.edu) or J. Lakey (jlakey@math.nmsu.edu).

*26–March 3 **Sven Hagströmer & Mats Qviberg’s Foundation Symposium on Geometry and Regularity of Free Bound-**

aries, KTH, Stockholm, Sweden.

Program: Geometry and Regularity of Free Boundaries (in connection with the Mittag-Leffler Institute Year 1999–2000 on Potential Theory and Nonlinear PDE).

Scope: The workshop will be devoted to questions of geometry and regularity of certain a priori unknown sets coming up in solutions of nonlinear PDE problems: viz., free boundaries, vanishing sets, nodal and singular sets. Such sets appear in the obstacle problem, the Stefan problem, problems in combustion theory, fluid mechanics, and potential theory. The unifying theme will be the geometry and structure of the unknown sets in these problems. Special attention will be paid to the geometric and regularity properties of these sets.

Confirmed Main Speakers: D. Adams (Lexington), I. Athanassopoulos (Herakleion), D. Danielli (Baltimore), N. Garafolo (Baltimore), Q. Han (Notre Dame), H. Hedenmalm (Lund), D. Jerison (Massachusetts), L. Karp (Haifa), B. Kawohl (Köln), C. Lederman (Buenos Aires), S. Salsa (Milan), N. Uraltseva (St. Petersburg), J. L. Vazquez (Madrid).

Information: Contact H. Shahgholian at henriks@math.kth.se, or see URL: <http://www.math.kth.se/~arshak/symposium2.html>.

March 2000

*5–8 **Eighth International Conference on Numerical Combustion**, Amelia Inn and Beach Club, Amelia Plantation, Amelia Island, Florida.

Sponsor: The conference will be conducted by the Society for Industrial and Applied Mathematics (SIAM).

Deadlines: Advance registration: January 28, 2000; hotel reservation: January 29, 2000.

Information: <http://www.siam.org/meetings/nc00/>.

*11–15 **Arizona Winter School 2000: Topics in the Arithmetic of Function Fields**, The University of Arizona, Tucson, Arizona.

Program: Lecture series are planned on the following subjects: The number of points on a curve over a finite field (K. Lauter, R. Schoof), Elliptic curves over function fields and a Gross-Zagier theorem (D. Ulmer), L-functions and monodromy (N. Katz). In addition, there will be lectures by P. Sarnak on “Zeta Functions and Symmetry”, and by G. Anderson on “Introduction to Fermionic Fock Space for Number Theorists”.

Funding: We expect to be able to provide financial support for accommodations and airfare to approximately 30 eligible graduate students and researchers within a few

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 six 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 e-MATH on the World Wide Web. To access e-MATH, use the URL: <http://e-math.ams.org/> (or <http://www.ams.org/>). (For those with VT100-type terminals or for those without WWW browsing software, connect to e-MATH via Telnet (<telnet> e-math.ams.org; login and password e-math) and use the Lynx option from the main menu.)

years of receiving their degrees. Note, however, that the Winter School is open to the mathematical public, not just the funded participants.

Applications: Applications for funding, consisting of a CV and (for graduate students) a letter of recommendation, should be sent by November 30, 1999, to: D. Thakur, Attn: AWS 2000, Dept. of Math., University of Arizona, Tucson, AZ 85721.

Organizers: D. Thakur, D. Ulmer, and F. Voloch.

Information: <http://swc.math.arizona.edu/~swcenter/aws2000/>.

May 2000

* 1–5 **Dispersive Corrections to Transport Equations**, IMA, University of Minnesota, Minneapolis, Minnesota.

* 19–21 **Middle School Mathematics Teacher Preparation**, Branson, Missouri.

Sponsor: NSF Show-Me Project.

Program: The conference will be of interest to mathematics educators, mathematicians, teacher-leaders, and state certification agency personnel. The conference is limited to 200 participants.

Information: If you would like to receive more information about the conference, contact the Show-Me Center at center@showme.missouri.edu or by calling (573) 884-2099.

* 23–27 **Great Plains Operator Theory Symposium (GPOTS)**, The Caribe Hilton Hotel, San Juan, Puerto Rico.

Focus: The conference will focus on topics of current interest in the general areas of operator theory and operator algebras. The scientific program will consist of 12 fifty-minute plenary talks as well as twenty-minute talks in parallel sessions.

Principal Invited Speakers: W. Arendt (Univ. of Ulm, Germany), O. Bratteli (Univ. of Oslo, Norway), G. A. Elliott (Univ. of Copenhagen, Denmark, and Univ. of Toronto, Canada), V. F. R. Jones (Univ. of California, Berkeley), D. Larson (Texas A&M Univ.), V. Nistor (Penn State Univ.), G. K. Pedersen (Univ. of Copenhagen, Denmark), G. Pisier (Texas A&M Univ. and Univ. Paris VI, France), S. Popa (Univ. of California, Los Angeles), N. Salinas (Univ. of Kansas, Lawrence), G. Yu (Univ. of Colorado, Boulder), and L. Zsido (Univ. of Rome “Tor Vergata”, Italy).

Organizers: I. Cardona, I. Cioranescu, G. Gong, V. Keyantuo, L. Li, C. Pasnicu, E. Rivera, S. Teleman, and B. Weiner.

Information: Application and abstract submission deadline: April 21, 2000. For information and application forms send e-mail to gpots@web.uprr.pr, or write to GPOTS 2000, Dept. of Math., University of Puerto Rico, P.O. Box 23355, San Juan, PR 00931-3355.

* 28–June 3 **Combinatorics 2000**, Hotel Serapo, Gaeta, Italy.

Topics: The conference will cover the following topics: combinatorial theory, Galois geometries, incidence structures and related algebraic topics, coding theory, designs, and graphs. There will be invited lectures of 45 minutes and special sessions for contributed talks of 20 minutes each.

Second Announcement: To get the second announcement (with the registration form and the hotel booking form), please send e-mail to comb2000@dmmm.uniroma1.it.

Information: Further information about the conference may be found at <http://www.mat.uniroma1.it/combinatorics2000/>.

* 29–June 2 **Second International Meeting on Integer-Valued Polynomials**, CIRM, Luminy, France.

Organizers: P. J. Cahen (Aix-Marseille III), J. L. Chabert (Picardie).

Information: paul-jean.cahen@math.u-3mrs.fr, <http://www.cirm.univ-mrs.fr/>.

* 29–June 9 **NATO Advanced Study Institute “Special Functions 2000”**, Arizona State University, Tempe, Arizona.

Objective of the ASI: To summarize results in special functions and their diverse applications obtained over the last three decades and to discuss future directions.

Topics: Orthogonal polynomials and special functions in one and several variables, asymptotics, continued fractions, applications to number theory, combinatorics and mathematical physics, integrable systems, harmonic analysis and quantum groups, Painlevé classification, and others.

Local Organizing Committee: J. Bustoz, Arizona State Univ. (chair); M. Ismail, Univ. of South Florida; S. Suslov, Arizona State Univ.

Sponsors: NATO Scientific and Environmental Affairs Division; Arizona State University; Wolfram Research; and Centre de Recherches Mathématiques, Univ. de Montréal.

Information: Advanced Study Institute SF2000, Arizona State University, Dept. of Math., Box 871804, Tempe, AZ 85287-1804; sf2000@math.la.asu.edu; fax: 480-965-8119; Web page: <http://math.la.asu.edu/~sf2000/index.html>. Application form is available on the Web page.

Support: Young researchers and graduate students from NATO and Partner Countries are especially encouraged to apply. Applications for financial support must be received no later than February 21, 2000. Decision will be made by February 28, 2000.

June 2000

* 12–15 **Tenth SIAM Conference on Discrete Mathematics**, Radisson Hotel Metrodome, Minneapolis, Minnesota.

Sponsors: The conference will be conducted by the Society for Industrial and Applied Mathematics (SIAM) and will be sponsored by the SIAM Activity Group on Discrete Mathematics.

Conference Themes: Graph theory, combinatorics, ordered sets, combinatorial designs and codes, combinatorial algorithms, symbolic computation, combinatorial and computational geometry, computational biology, statistical mechanics, and number theory.

Deadlines: December 15, 1999, for submission of minisymposium proposals; January 17, 2000, for submission of contributed abstracts for a lecture or poster presentation.

Information: <http://www.siam.org/meetings/dm00/>.

* 15–17 **2nd Croatian Mathematical Congress**, University of Zagreb, Croatia.

Organizer: Croatian Mathematical Society.

Program: The congress is open to all areas of mathematics.

Deadlines: March 1, 2000, for registration; March 15, 2000, for submitting abstract.

Information: <http://www.math.hr/congress/>; e-mail: congress@math.hr; regular mail: H. Sikić (president) or P. Pandžić (secretary), Dept. of Math., Univ. of Zagreb, Bijenicka 30, 10000 Zagreb, Croatia; fax: 385-1-4680335; phone: 385-1-4605777.

* 19–26 **Dynamical Systems**, Cetraro Cosenza, Italy.

Sponsor: CIME Foundation.

Lecture Topics: Stability and entropy in spatially discrete dynamical systems (S.-N. Chow, National Univ. Singapore), Planar dynamical systems (R. Conti, Univ. di Firenze), Nonautonomous dynamical systems (R. Johnson, Univ. di Firenze), Waves in spatially discrete dynamical systems (J. M. Paret, Brown Univ., Providence), Recent trends in the theory of nonlinear delay equations (R. Nussbaum, Rutgers Univ.).

Information: <http://www.math.unifi.it/CIME/> or e-mail: cime@math.unifi.it.

* 26–29 **Fifteenth Annual IEEE Symposium on Logic in Computer Science**, Santa Barbara, California.

Sponsors: The symposium is sponsored by the IEEE Technical Committee on Mathematical Foundations of Computing in cooperation with the Association for Symbolic Logic and the European Association for Theoretical Computer Science.

Topics: The LICS Symposium is an annual international forum on theoretical and practical topics in computer science that relate to logic in a broad sense.

Paper Submission: Paper submission will be electronic. The deadline for submissions is January 7, 2000. This deadline is firm; late submissions will not be considered. Authors will be notified of acceptance or rejection before March 15, 2000; accepted papers in a specified format for the proceedings will be due by April 19, 2000. For further information about submission procedure, check the LICS Web site in December. LICS 2000 will have a session of short (5–10 minutes) presentations. This session is intended for descriptions of work in progress, student projects, and relevant

research being published elsewhere; other brief communications may be acceptable. The deadline for submitting such short presentations is in late March. For more details check the LICS Web site in December.

Kleene Award: An award in honor of the late S. C. Kleene will be given to the best paper, as judged by the program committee, written solely by one or more students. A submission is eligible if all authors are full-time students at the time of submission. This should be indicated in the submission letter. The program committee may decline to make the award or may split it among several papers.

Information: <http://logik.mathematik.uni-freiburg.de/lics/>.

* 28–July 6 **Diophantine Approximation**, Cetraro Cosenza, Italy.

Lecture Topics: Diophantine approximation on commutative group varieties (D. Masser, Basel, Switzerland), The absolute subspace theorem (H. P. Schlikewei, Marburg, Germany), Zeros of linear recurrence sequences (W. Schmidt, Univ. of Colorado), Linear independence measures for logarithms of algebraic numbers (M. Waldschmidt, Univ. Paris VI).

Information: <http://www.math.unifi.it/CIME/> or e-mail: cime@math.unifi.it.

July 2000

* 3–9 **Mathematical Aspects of Evolving Interfaces**, Funchal, Portugal.

Organizers: CIME and CIM (Centro Internacional de Matematica), Portugal.

Lecture Topics: Distance function and evolution of fronts by implicit time discretization (L. Ambrosio, Scuola Normale Superiore, Pisa), Numerical approximation of mean curvature flow of graphs (G. Dziuk, Univ. Freiburg, Germany), Dynamics of patterns and interfaces in reaction-diffusion systems from chemical and biological viewpoints (M. Mimura, Hiroshima Univ., Japan), Evolution free boundary problem for parabolic and Navier-Stokes equations (V. A. Solonnikov, Russian Academy of Sciences, St. Petersburg, Russia), Variational and dynamic problems for the Ginzburg-Land functional (H. M. Sonner, Princeton Univ.).

Information: <http://www.math.unifi.it/CIME/> or e-mail: cime@math.unifi.it.

* 5–8 **International Conference on Ordinal and Symbolic Data Analysis – OSDA 2000**, Université Libre de Bruxelles (ULB), Brussels, Belgium.

Speakers: M. Chein and M.-L. Mugnier (Laboratoire d'Informatique, de Robotique et de Microélectronique de Montpellier, CNRS and Univ. Montpellier 2); Graph Homomorphisms: A Tool for Managing Graph Data Bases; A. Dress (Fakultet für Mathematik, Univ. Bielefeld); An Excluded-Minor Characterization of Universally Representable Nested Families of Preference Relations; J.-C. Falmagne (Dept. of Cognitive Sciences,

Univ. of California, Irvine); Recent Developments in Media Theory, with Applications; B. Ganter (Inst. für Algebra, Fakultet Mathematik und Naturwissenschaften, Technische Univ. Dresden); Contextual Logic for Conceptual Knowledge; P. Hansen (Gerad and École des Hautes Études Commerciales de Montréal); Finding Relations in Graph Theory by Computer (joint work with Gilles Caporossi); I. Gilboa (The Eitan Berglas School of Economics and The Recanati School of Business, Tel Aviv Univ.); Inductive Inference: An Axiomatic Approach; R. D. Luce (Inst. for Mathematical Behavioral Sciences, Univ. of California, Irvine); Elements of Chance and Utility of Gambling; W. T. Trotter (Arizona State Univ.); Partially Ordered Sets: Combinatorial Properties and Their Applications; P. Vincke (Service de Mathématique de la Gestion, Univ. Libre de Bruxelles); Handling Ordinal Data in Multicriteria Decision Analysis: A Survey; U. Wille (Data Management, Jelmoli AG); Exploring and Communicating Customer Data with TOSCAN. A special session will be organized by Edwin Diday in the area of symbolic data analysis.

Information: <http://www.ulb.ac.be/sciences/ulbmth/osda2000/>; OSDA 2000, U.L.B. c.p. 216, Bd du triomphe, 1050 Bruxelles, Belgium; e-mail: osda2000@ulb.ac.be; phone/fax: +32+2-650.58.64 / +32+2-650.58.67.

* 9–15 **Mathematical Methods for Protein Structure Analysis and Design**, Martina Franca, Taranto, Italy.

Sponsor: CIME Foundation.

Lecture Topics: Mathematical protein structure analysis (A. Lesk, Univ. of Cambridge Clinical School, GB), Title to be announced (M. Levitt, Stanford Univ.), High speed computations for the design of proteins (J. Moulton, Univ. of Maryland, Biotechnology Institute), Geometric computing in structural molecular biology (H. Wolfson, Tel Aviv Univ.).

Information: <http://www.math.unifi.it/CIME/> or e-mail: cime@math.unifi.it.

* 10–14 **2000 SIAM Annual Meeting**, Westin Rio Mar Beach Resort and Country Club, Rio Grande, Puerto Rico.

Meeting Themes: Algebraic methods for model reduction, computational astrophysics, computational biology, dynamical systems, imaging, information technology/communication, materials science/nanotechnology, multiscale algorithms, nonlinear PDE/applied analysis, and optimization/interior point methods.

Deadlines: January 31, 2000, for submission of minisymposium proposals; February 15, 2000, for submission of contributed abstracts for a lecture format or poster presentation.

Information: <http://www.siam.org/meetings/an00/>.

* 10–14 **Third European Congress of Mathematics (3ecm)**, Barcelona, Spain.

Organizers: Societat Catalana de Matemàtiques, under the auspices of the European Mathematical Society.

Plenary Lectures: R. Dijkgraaf, H. Föllmer, H. W. Lenstra Jr., Yu. I. Manin, Y. Meyer, C. Sims, M.-F. Vignaras, O. Viro, A. J. Wiles. There will also be parallel lectures and minisymposia.

Other Activities: The scientific program of the congress also includes lectures by EMS prizewinners, roundtable discussions, poster sessions, presentations of mathematical software, and exhibitions of video and multimedia with mathematical content.

Deadlines: For registration at a reduced fee: April 1, 2000. For grant requests: January 31. For submission of poster abstracts: March 1. For submissions of mathematical software, video, and multimedia: February 1. For proposals of satellite activities: February 1.

Information: Further information can be found at the Web sites <http://www.iec.es/3ecm/> and <http://www.si.upc.es/3ecm/>, which should also be used for registration. Mail can be sent to Societat Catalana de Matemàtiques, Institut d'Estudis Catalans, Carrer del Carme 47, E-08001 Barcelona, Spain; e-mail: 3ecm@iec.es.

* 17–21 **Colloquium on Semigroups**, József Attila University, Bolyai Institute, Szeged, Hungary.

Workshop Topics: The scientific program of the colloquium will include one-hour invited lectures, twenty-minute contributory talks, and a problem session. Besides “classical” semigroup theoretical topics, the organizers intend to give an opportunity to present results applying semigroups in other branches of mathematics.

Organizers: M. B. Szendrei, E. K. Horváth, I. Szittyai.

Information: <http://www.math.u-szeged.hu/confer/algebra/index.htm/>; e-mail: algebra@math.u-szeged.hu; Mailing address: M. B. Szendrei, József Attila University, Bolyai Institute, H-6720 Szeged, Aradi vértanúk tere 1, Hungary.

* 30–August 5 **ICOR 2000**, Innsbruck, Austria.

First Announcement: The 7th International Conference on Radicals – ICOR 2000 – will take place in 2000 in Innsbruck, a historic town situated in the Tirolean Mountain area.

Contact Address: (e-mail preferred) R. Mlitz, Inst. f. Angew. u. Numer. Math., TU Wien, Wiedner Hauptstr. 8-10, A-1040 Wien, Austria; tel: (**43-1) 588-01 / 115-32; fax: (**43-1) 588-01 / 115-99; e-mail: mlitz@umbriel.tuwien.ac.at.

August 2000

* 9–12 **Third International Palestinian Conference on Mathematics and Mathematical Education**, Bethlehem University, Palestine.

Organizer: Palestinian Society for Mathematical Sciences.

Program: The focus of the conference will be on recent developments in pure and applied mathematics and applications, and curriculum developments in undergraduate education. There will be special sessions on various topics, plenary talks, and contributed papers. Those interested in organizing a special session need to contact one of the organizers no later than February 1, 2000.

Deadlines: Those interested in presenting papers should send an abstract and a registration form to one of the organizers no later than May 1, 2000, preferably by e-mail. Accepted papers will be published in a proceedings.

Information: Please contact (in Palestine): M. Saleh, Dept. of Math., Birzeit Univ., Box 14, Palestine; e-mail: mohammad@math.birzeit.edu; or M. Qumsiyeh, Dept. of Math., Bethlehem Univ., Palestine; e-mail: qumsiyeh@bethlehem.edu; (outside Palestine): S. Elaydi, Dept. of Math., Trinity Univ., San Antonio, TX 78212; e-mail: selaydi@trinity.edu.

September 2000

* September 2000–June 2001 **Mathematical Logic**, Mittag-Leffler Institute, Djursholm, Sweden.

Program: The academic year September 2000–June 2001 will be devoted to Mathematical Logic.

Organizers: V. Stoltenberg-Hansen, Uppsala; P. Martin-Löf, Stockholm; D. Normann, Oslo; and J. Väänänen, Helsinki.

Application Deadlines: For postdoctoral fellowships: January 31, 2000, to: M.-L. Koskull, Mittag-Leffler Institute, Auravägen 17, SE-182 62 Djursholm, Sweden.

Information: See our home page, <http://www.ml.kva.se/>.

* 3–10 **Noncommutative Geometry**, Martina Franca, Taranto, Italy.

Sponsor: CIME Foundation.

Lecture Topics: Noncommutative geometry (A. Connes, Collège de France, France), KK Theory and cyclic cohomology (J. Cuntz, Univ. Munster, Germany), Group C^* -algebras and K-theory (N. Higson, Penn State Univ.), The algebraic approach to quantum field theory (J. E. Roberts, Univ. di Roma “Tor Vergata”).

Information: <http://www.math.unifi.it/CIME/> or e-mail: cime@math.unifi.it.

* 25–27 **The Third International Workshop on Automated Deduction in Geometry**, ETH, Zurich, Switzerland.

Description: The International Workshops on Automated Deduction in Geometry (ADG) have become a forum to exchange ideas and views, to present research results and progress, and to demonstrate software tools. Applications of ADG to CAGD/CAD, computer vision, and geometry education presented at the previous two workshops held in Beijing, August 1998, and Toulouse, September 1996, shed new light on the perspectives of ADG. The third workshop,

ADG 2000, to be held in Zurich, Switzerland, September 25–27, 2000, will continue ADG’s emphasis on theory and algorithms, implementation, experiments, and applications to science, engineering, and industry.

Important Dates: Deadline for extended abstract submission: June 20, 2000; notification of acceptance or rejection: July 20, 2000; workshop taking place: September 25–27, 2000; deadline for full paper submission: November 20, 2000.

Submission: Potential participants of ADG 2000 are invited to submit an extended abstract of three or more pages or a full paper describing their work to be presented at ADG 2000. The submitted extended abstracts and full papers will be reviewed by members of the program committee (PC) for presentation at the workshop. Electronic submissions are preferred and should be sent to both of the PC co-chairs: J. Richter-Gebert, Theoretische Informatik, ETH Zentrum, Haldeneggsteig 4/Weinbergstrasse, CH-8092 Zurich, Switzerland (e-mail: richter@inf.ethz.ch, fax: +41 1 632 1172); D. Wang, Laboratoire d’Informatique de Paris 6, Université Pierre et Marie Curie - CNRS, 4, place Jussieu, F-75252 Paris Cedex 05, France (e-mail: wang@calfor.lip6.fr, fax: +33 1 44 27 40 42).