Mathematics Calendar

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

November 1999

* 5–7 **9th Midwest Geometry Conference**, University of Missouri-Columbia, Columbia, Missouri.

Main Speakers: M. Culler, Univ. of Illinois at Chicago; T. Mrowka, M.I.T.; M. Choptuik, Univ. of Texas; G. Galloway, Univ. of Miami; V. Moncrief, Yale Univ., Y. Ruan, Univ. of Wisconsin; Y-T. Siu, Harvard Univ., J. Hartle, Univ. Calif. at Santa Barbara; R. Wald, Univ. of Chicago.

Information: `http://www.math.missouri.edu/conference/mgc.html`.

December 1999

* 3–4 **Perspectives in Applied Mathematics, Conference in Honor of Gilbert Strang**, MIT, Cambridge, MA.

Focus: The conference will focus on topics of current research interest in applied mathematics, emphasizing results which have been motivated by Gil Strang's work.

Speakers: Keynote Addresses by G. Golub, B. Kohn, P. Lax, C. Moler, N. Trefethen.

Organizers: A. Edelman, H. Matthies, D. Gorsich, V. Strela.

Program Committee: E. Christiansen, W. Hager, V. Strela, H. Matthies.

Information: `http://www-math.mit.edu/~gsfest/`.

* 8–10 **Workshop on Discrete Problems with Medical Applications**, DIMACS Center, Rutgers University, Piscataway, New Jersey.

Submission Deadline: Those interested in presenting papers should send an abstract to one of the organizers before October 1, 1999, by e-mail. Authors willing to contribute to the proceedings or special issue of the *Journal of Combinatorial Optimization* should send full papers before December 31, 1999.

Sponsor: DIMACS Center.

Organizers: D.-Z. Du (Univ. of Minnesota), P. Pardalos (Univ. of Florida), J. Wang (Univ. of North Carolina).

Aim: The study of computing in medical applications has opened many challenging issues and problems for both the medical computing community and the algorithm community. This workshop aims to foster communication and collaboration between the two groups of researchers. The objectives of the workshop are to provide a forum where worldwide researchers and practitioners may meet and exchange research ideas and interests, as well as discuss new trends and identify open problems in the development and deployment of this area.

Information: D.-Z. Du (Univ. of Minnesota), `dzd@cs.umn.edu`; local arrangements: P. Pravato, DIMACS Center, `pravato@dimacs.rutgers.edu`, tel: 732-445-5929; `http://dimacs.rutgers.edu/Workshops/index.html`.

March 2000

* 6–10 **International Conference on Differential Geometry and Quantum Physics**, TU Berlin, Germany.

Topics Include: Differential geometry and geometric analysis, partial diffential equations in mathematical physics, quantum mechanics and quantum field theory.

Speakers: J. Avron, W. Ballmann, J. Bourguignion, J. Cheeger, J.-M. Combes, L. Faddeev, J. Froehlich, E. Lieb, W. Mueller, S. Novikov, B. Simon, C.-L. Terng.

Information: Organizers: V. Bach, FB Mathematik (17), Universitaet Mainz, D-55099 Mainz, Germany, e-mail: `bach@math.tu-berlin.de`, `vbach@mathematik.uni-mainz.de` and Jochen Bruening, Institut fuer Mathematik, Humboldt-Universitaet zu Berlin, Unter den Linden 6, D-10117 Berlin, e-mail: `bruening@mathematik.hu-berlin.de`.

* 20–22 **DIMACS Workshop on Cryptography and Intractability**, DIMACS Center, Rutgers University, Piscataway, New Jersey.

Sponsor: DIMACS Center.

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.)

Program: The goal of this workshop is to explore the tight relationship between cryptography and computational hardness. The workshop will be organized around the following themes: the minimal intractability assumptions required for various cryptographic tasks; the feasability of basing cryptography on worst-case assumptions; the proper form for an intractability assumption; the relationship between cryptography and computational learning theory, proof complexity, game theory and combinatorial optimization. Presented under the auspices of the DIMACS Special Years on Computational Intractability and Networks.

Organizers: M. Naor, Weizmann Institute of Science, J. Kilian, NEC Research Institute, S. Goldwasser, MIT and Weizmann Institute of Science.

Contacts: M. Naor, Weizmann Institute of Science, `naor@wisdom.weizmann.ac.il`.

Local Arrangements: P. Pravato, DIMACS Center, `pravato@dimacs.rutgers.edu`, 732-445-5929.

Information: `http://dimacs.rutgers.edu/Workshops/index.html`.

April 2000

* 25–May 6 **NATO Advanced Study Institute, Nonlinear Dynamics in Life and Social Sciences**, Moscow, Russia.

Eligibility: To be eligible to attend this ASI, students must be permanent residents of a NATO, NATO Partner, or Mediterranean Dialogue country who are in full-time attendance at a recognized university or academic institute. Preference will be given to those at a doctoral or postdoctoral level with research interests related to the ASI. The languages of the ASI will be English and Russian, though the majority of lectures will be in English. Thus a knowledge of English is preferred. Prospective students are required to submit a copy of their CV and a brief letter outlining their reasons for wishing to attend this ASI.

NATO countries: Belgium, Canada, Denmark, France, Germany, Greece, Iceland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Turkey, UK, USA.

NATO Partner countries: Albania, Armenia, Azerbaijan, Belarus, Bulgaria, Czech Republic, Estonia, Georgia, Hungary, Kazakhstan, Kyrgystan, Latvia, Lithuania, Moldova, Poland, Romania, Russian Federation, Slovak Republic, Slovenia, Tajikistan, the former Yugoslav Republic of Macedonia, Turkmenistan, Ukraine, Uzbekistan.

Mediterranean Dialogue countries: Egypt, Israel, Jordan, Mauritania, Morocco, Tunisia.

Invited Lecturers: The following invited lecturers will teach during the Institute: V. I. Arnold (Steklov Institute of Mathematics), Y. Bar-Yam (New England Complex Systems Institute, USA), D. S. Chernavsky, (Physical Institute, Russian Academy of Sciences), M. Feigenbaum (Rockefeller Univ., USA), Yu. L. Klimantovich (Moscow State Univ.), S. P. Kurdyumov (Keldysh Inst. of Applied Mathematics, Moscow), Ch. J. Lumsden (Inst. of Medical Science, Univ. of Toronto, Canada), D. Ruelle (Inst. des Hautes Études Science, France), V. A. Sadovnichiy (Lomonosov Moscow State Univ.), T. Sauer (George Mason Univ., USA), M. V. Sevryuk (Steklov Institute of Mathematics), W. H. Sulis (McMaster Univ., Canada), D. I. Trubetzkov (Saratov State Univ.), B. West (Univ. of Texas, Austin, USA), G. West (Santa Fe Inst., USA). Presentations by ASI students and poster sessions will be organized.

Expenses: There is no registration fee for eligible students. A limited number of NATO grants will be available to eligible students who are permanent residents of NATO countries and NATO Partner countries. These grants will include: accommodation expenses during the duration of the ASI - US$220; travel expenses, for students from North America - US$500; from Europe - US$300; from elsewhere - US$150.

Information: For information and application forms visit `http://www.cas.mcmaster.ca/~sulisw/asi.html`, or write to I. Trofimova, e-mail: `ira@ritchie.cas.mcmaster.ca`.

May 2000

* 15–18 **Representation Theory and Computational Algebra**, University of Georgia, Athens, Georgia.

Subject: The title of the conference is intended to include representation theory of finite groups and related finite dimensional algebras, classifying spaces and cohomology of finite groups, and computer calculations in these areas.

Principal Invited Speakers: A. Adem (Wisconsin), M. Broue (Paris), J. Cannon (Sydney).

Program Committee: J. Alperin (Chicago), D. Benson (Georgia), G. Mason (Santa Cruz), J. Milgram (Stanford), J. Rickard (Bristol).

Information: D. Benson, `djb@byrd.math.uga.edu` or `http://www.math.uga.edu/~djb/conf2000.html`.

* 29–June 9 **Foliation: Geometry and Dynamics Revisited**, Banach Center, Warsaw, Poland. (Jun/Jul. 1999, p. 714)

Purpose: The purpose of the conference in 2000 is: to exchange scientific information among specialists in the theory of foliations and related topics.

Topics: The topics of invited lectures cover such areas as coarse geometry of foliations: foliations of knot complements, compact foliations, stability of leaves, topology of generic leaves, contact structures and confoliations, laminations, entropy and other invariants which measure complexity of foliations, geometric invariants of foliations on Riemannian manifolds, characteristic classes of foliations.

Information: `http://fol2000.math.uni.lodz.pl/`.

June 2000

* 22–24 **CUR 2000: Research in Undergrad-** uate Education, The College of Wooster, Wooster, Ohio.

Focus: The Eighth National Conference will bring together 500–700 faculty, administrators, and representatives from private foundations and federal agencies. During the three-day conference, there will be a variety of plenary sessions, panel discussions, and workshops for participants to attend. Day-long programs for graduate students, new faculty, tenured faculty, and administrators are planned. This is an ideal time and setting for networking. The conference is designed for all those who are interested in undertaking or promoting undergraduate research.

Information: For more information, visit The Council on Undergraduate Research (CUR) Web site at `http://www.cur.org/`, and go to the meetings and events section; also visit the The College of Wooster's Web site at `http://www.wooster.edu/cur/`.

* 26–28 **Heat Transfer 2000, Advanced Computational Methods in Heat Transfer**, Madrid, Spain.

Organized by: Wessex Institute of Technology, UK.

Information: For further details contact S. Hanley, e-mail: `shanley@wessex.ac.uk`; Web site: `http://www.wessex.ac.uk/conferences/2000/`; tel: 44 (0) 238 029 3223; fax: 44 (0) 238 029 2853.

July 2000

* 2–15 **First Announcement: NATO Advanced Study Institute 20th Century Harmonic Analysis—a Celebration**, Il Ciocco Resort Hotel, Tuscany, Italy.

Principal Lecturers: H. A. Hauptman, V. P. Havin, G. Janssen, J.-P. Kahane, T. W. Korner, Y. Meyer, B. Moran, N. Nikolski, A. Odlyzko, B. Saffari, H. S. Shapiro, E. M. Stein, M. Vetterli, G. Weiss, Y. Zeevi.

Information: Further details may be found on the Web site: `http://www.cs.umb.edu/~asi/analysis2000`.

* 5–7 **Scandinavian Workshop on Algorithm Theory**, Bergen, Norway.

Information: `http://www.ii.uib.no/swat2000` or send e-mail: `telle@ii.uib.no`.

* 6–8 **The 6th Barcelona Logic Meeting**, Barcelona, Spain.

Topics: All areas of mathematical logic, with an emphasis in algebraic logic, model theory and set theory. The scientific program will consist of several one-hour invited lectures and a number of twenty-minute contributed talks.

Invited Speakers: J. L. Balcázar, P. Dellunde, P. Koepke, A. Pillay, Y. Venema, M. Zakharyaschev.

Information: Further information will be available from the address above, or by e-mail from `crm@crm.es` or in the Web sites `http://www.mat.ub.es/~logica/news.html` and `http://www.crm.es/`.

* 31–August 5 **KNOTS 2000, KAIST**, Yong-pyong Resort, Kangwon-do, Korea (South of).

Purpose: The purpose of the conference is to bring together people working in the field of knot theory, low-dimensional topology and related subjects, to exchange ideas and to present results of their current research.

Local Organizing Committee: G. T. Jin, K. H. Ko, S. Oh (secretary).

Information: `http://knot.kaist.ac.kr/2000/`.

September 2000

* 19–22 **SCAN 2000: 9th GAMM - IMACS International Symposium on Scientific Computing, Computer Arithmetic, and Validated Numerics**, University of Karlsruhe, Karlsruhe, Germany.

Focus: This conference continues the series of scan-symposia which have previously been held at Karlsruhe, Basel, Albena, Oldenburg, Wien, Wuppertal, Lyon, and Budapest under the joint sponsorship of GAMM and IMACS. These conferences have traditionally covered the numerical and algorithmic aspects of scientific computing, with a strong emphasis on validation and verification of computed results as well as on arithmetic, programming, and algorithmic tools for this purpose. The objectives are to propagate current applications and research as well as to promote a greater understanding and increased awareness of the subject matters.

Important Dates: March 31, 2000: Submission of abstracts; June 30, 2000: Notification of acceptance; July 31, 2000: Return of registration form.

Conference Chairmen: W. Juling (Univ. of Karlsruhe) and U. Kulisch (Univ. of Karlsruhe).

Local Organization: A. Facius, Institute for Applied Mathematics, Univ. of Karlsruhe, D-76128 Karlsruhe, Germany.

Information: For more information and subscription to a mailing list, send e-mail to: `info@scan2000.de`, or visit: `http://www.scan2000.de/`.