

# Mathematics Calendar

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

## November 1998

\* 2-4 **Randomized and Derandomized Algorithms for Discrete Structures**, Institute for Advanced Study, Princeton, New Jersey.

**Organizers:** N. Alon, [noga@math.tau.ac.il](mailto:noga@math.tau.ac.il); A. Frieze, [frieze@random.math.cmu.edu](mailto:frieze@random.math.cmu.edu); B. Reed, [reed@ecp6.jussieu.fr](mailto:reed@ecp6.jussieu.fr).

**Sponsor:** DIMACS Center and the Institute for Advanced Study.

**Aim:** This workshop is devoted to two techniques which have wide application in theoretical discrete optimization: the semi-random method and Szemerédi's Regularity Lemma. The second of these techniques applies only to large graphs. Most applications of the first are to large structures. The most ambitious goal of the workshop is to foster collaborative research projects which combine the semi-random method and the Regularity Lemma.

**Information:** Contact B. Reed (Université Pierre et Marie Curie), [reed@ecp6.jussieu.fr](mailto:reed@ecp6.jussieu.fr). WWW information: <http://dimacs.rutgers.edu/Workshops/index.html>.

\* 6-8 **Ahlfors - Bers Colloquium**, The University at Stony Brook, Stony Brook, New York.

**Speakers:** F. Bonahon, L. Carleson, D. Cooper, H. Farkas, B. Greene, P. A. Griffiths, E. Hamilton, D. Hejhal, N. Lakic, F. Luo, Y. Minsky,

S. A. Wolpert.

**Aim:** This is the second conference in a series of conferences focused on the mathematical developments stemming from the work of Lars V. Ahlfors and Lipman Bers in the broadly defined areas of Riemann surfaces, uniformization and Teichmüller theory. The first conference in this series was the Bers Colloquium, held at C.U.N.Y. Graduate Center, in October, 1995.

**Support:** The conference is being supported by the N.S.F. There is limited support available, primarily for advanced graduate students and postdocs.

**Organizing Committee:** W. Abikoff, A. S. Basmajian, C. J. Earle, F. W. Gehring, J. Gilman, L. Keen, I. Kra (chair), A. Marden, and B. Maskit.

**Information:** Information and registration: <http://www.math.sunysb.edu/abc.index.html>.

\* 12-15 **Workshop on Nonlinear Spectral Theory and Eigenvalue Problems for Nonlinear Differential Equations**, Certosa di Pontignano, Università di Siena, Siena, Italy.

**Aim:** This meeting should provide an opportunity for scientific exchange and cooperation between people working in abstract nonlinear spectral theory and others more experienced in boundary and eigenvalue problems for nonlinear differential equa-

tions.

**Organizers:** J. Appell (Wuerzburg), R. Chiappinelli (Siena).

**Invited Speakers:** J.-P. Gossez (Bruxelles), A. Szulkin (Stockholm), A. Vignoli (Roma), J. R. L. Webb (Glasgow).

**Information:** Detailed information and scientific programme: see the Web page of the workshop at the site <http://www.mat.unisi.it/web/workann1.htm>.

## January 1999

\* 11-12 **Evolution as Computation**, Princeton University, Princeton, New Jersey.

**Sponsor:** DIMACS Center.

**Organizers:** S. Freeland (Cambridge Univ.), L. Landweber (Princeton Univ.), R. Lipton (Princeton Univ.), and E. Winfree (Caltech).

**Contact:** L. Landweber, Princeton Univ., e-mail: [lfl@princeton.edu](mailto:lfl@princeton.edu).

**Local Arrangements:** S. Barbu, Princeton Univ., tel: 609-609-1771; e-mail: [barbu@cs.princeton.edu](mailto:barbu@cs.princeton.edu).

**Program:** This DIMACS workshop will draw together computer scientists and molecular evolutionary biologists in a different context to explore the computational power of biological processes over evolutionary time. The solicited topics include biological models of nucleic acid information processing and genome evolution; molecules,

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 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.)

cells, and metabolic circuits that register logical relationships among proteins; the changing logic of the genetic code; genetic algorithms, genetic programming, machine learning, Kolmogorov complexity, and the evolution of complex adaptive systems. The goal is to combine theory and experiments to construct a quantitative view of the computations that take place in cells and the combinatorial processes that drive evolution at the molecular level. By analogy to computational systems, these processes will provide examples of the "biological software" that with the appropriate vector and interface might ultimately be coaxed to perform computations *in vivo*. Presented under the auspices of the Special Focus on DNA Computing.

**Information:** WWW: <http://dimacs.rutgers.edu/Workshops/index.html>.

\* 15-16 **Workshop on Algorithm Engineering and Experimentation (ALENEX99)**, Omni Hotel, Baltimore, Maryland.

**Submission Deadline:** Ten page extended abstracts to the organizers by September 11, 1998.

**Organizers:** C. C. McGeoch (Amherst College), e-mail: [ccm@cs.amherst.edu](mailto:ccm@cs.amherst.edu).

**Aim:** The aim of ALENEX99 is to provide a forum for the presentation of original research in the implementation and experimental evaluation of algorithms and data structures. The scientific program will include invited talks as well as contributed research papers, and will include time for discussion and debate of topics in this rapidly evolving research area. This workshop is colocated with SODA '99 and will be held on the two days preceding that conference.

**Sponsors:** DIMACS Center and SIAM.

**Information:** <http://dimacs.rutgers.edu/Workshops/index.html>.

## February 1999

\* 12-13 **Fifteenth Conference on Applied Mathematics (CAM)**, University of Central Oklahoma, Edmond, Oklahoma.

**Program:** An interdisciplinary conference on mathematics with applications, this year's CAM will feature J. Gallian of the Univ. of Minnesota at Duluth, who will speak on "The Mathematics of Identification Numbers." Also featured will be W. Briggs of the Univ. of Colorado, who will speak on "Differential and Difference Equations in Population Genetics." A special program on "Teaching Quantitative Reasoning to Liberal Arts Students" will also be provided by Dr. Briggs, based on ideas he incorporated into his recent textbook.

**Call for Papers:** Abstracts should be postmarked by December 31, 1998, and mailed to the address below. As in past years, CAM will include a session for graduate and undergraduate student papers on mathematics and its applications and will provide Outstanding Student Presentation Awards for the best papers. Presenters should spec-

ify whether their paper is intended for the Session on Computer Science, the Session on Differential Equations, the Session on Applied Mathematics, or the Student Session.

**Information:** Conference on Applied Mathematics, College of Mathematics and Science, Univ. of Central Oklahoma, 100 N. University, Edmond, OK 73034; tel: 405-974-5381; fax: 405-974-3824, e-mail: [cam@aix1.ucok.edu](mailto:cam@aix1.ucok.edu).

## March 1999

\* 17-19 **International Conference on Differential Equations and Nonlinear Mechanics**, University of Central Florida, Orlando, Florida.

**Topics:** Differential Equations, Nonlinear Analysis, Numerical Analysis, Nonlinear Mechanics and related areas.

**Objective:** Definite plans are made to invite several leading authorities in the world. The talks will focus on the recent developments in the above mentioned fields and their applications. A conference proceedings is also planned. There will be ample opportunity for the participants (local as well as outside) to hold informal discussions, which may lead to collaborative research. Participation is open to scientists/engineers working at the research level on theoretical or practical aspects of the theme of the conference. Some support may be available for travel and local expenses.

**Information:** Correspondence and inquiries should be sent to the Conference Director: K. Vajravelu, Department of Mathematics, Univ. of Central Florida, Orlando, FL 32816; tel: 407-823-5089; fax: 407-823-6253; e-mail: [vajravelu@pegasus.cc.ucf.edu](mailto:vajravelu@pegasus.cc.ucf.edu).

\* 25-28 **International Conference on Algebra and its Applications**, Ohio University, Athens, Ohio.

**Topics:** Theory of Rings and Modules, Coding Theory, and Applied Linear Algebra.

**Invited Speakers:** R. B. Bapat, R. Brualdi, R. Calderbank, M. P. Drazin, N. V. Dung, C. Faith, K. Fuller, J. L. Gomez-Pardo, K. Goodearl, B. Huisgen-Zimmermann, C. Johnson, T. Y. Lam, L. Levy, C. Moreno, O. Moreno, M. Neumann, B. Osofsky, J. Park, V. S. Pless, L. Rowen, S. Sehgal, P. F. Smith, H. Tapia-Recillas, M. Teply, R. Wisbauer, J. Wolfmann, and J. Zelmanowitz.

**Keynote Speaker:** E. Zelmanov.

**Funding:** This conference is supported by funding from the National Security Agency and Ohio University.

**Information:** Those interested please e-mail [algebra@bing.math.ohiou.edu](mailto:algebra@bing.math.ohiou.edu) and send a hard copy of the abstract (if you wish to contribute) so as to reach us by November 15, 1998. For more updates and additional information, please visit our webpage at <http://www.bing.math.ohiou.edu/~algebra>.

**Additional Information:** For accommodations, please call any of the following hotels at their local numbers (not toll-free). Call

before **March 4, 1999**, for these highly discounted rates. Refer to ICAA Conference.

A. Amerihost Inn (\*\*\*) , 1.5 miles to Conference; phone: 740-594-3000; fax: 740-594-5546; rate: \$53 + tax (Continental breakfast included). B. Days Inn (\*\*), 2.5 miles to Conference; phone: 740-592-4000; fax: 740-5927687; rate: \$42 + tax (Continental breakfast included). C. Athens Inn (\*), 3 miles to Conference; phone 740-593-5565; fax: 740-593-8994; rate: \$34 + tax. D. Ohio University Inn (\*\*\*) , .5 miles to Conference; phone: 740-593-6661; fax: 740-593-5139; rate: Open (not negotiated). Transportation: the nearest airport is Columbus, OH, which is approximately 70 miles northwest of Athens. If you are flying and not renting a car, you may ride the conference van that will run the following schedule: March 24th: At 7:00 p.m. from airport; March 25th: At noon and at 7:00 p.m.; March 28th: To be announced. For public transportation check with Greyhound. Taxi costs = \$112.

## May 1999

\* 19-22 **Fourth International Joint Meeting of the AMS and the Sociedad Matematica Mexicana (SMM)**, University of North Texas, Denton, Texas.

\* 31-June 4 **The 19th International Conference on Distributed Computing Systems (ICDCS '99)**, Austin, Texas.

**Purpose:** The purpose of this conference is to bring together developers and researchers from universities, industry, and government to advance the science and technology in distributed computing.

**Topics:** The technical areas of the conference include: Cooperative and groupware systems, Specification and verification, Fault-tolerance and security, Distributed algorithms, Distributed software engineering, Distributed database, Distributed operating systems, Communication protocols, Mobile systems, Multimedia systems, Realtime systems, Internet applications, and Distributed synchronization.

**Information:** For more information, please contact B. Buckles, Tulane Univ., Dept. of EECS, New Orleans, LA 70118; tel: 504-862-3373; fax: 504-862-3293; WWW: <http://www.eecs.tulane.edu/www/Buckles.Bill/>; e-mail: [buckles@eecs.tulane.edu](mailto:buckles@eecs.tulane.edu); or see the conference home page, URL: <http://www.eecs.tulane.edu/www/ICDCS/>.

## June 1999

\* 1-4 **Day on Diffraction'99**, St. Petersburg Branch of Steklov Mathematical Institute, St. Petersburg, Russia.

**Organizers:** Faculty of Physics, St. Petersburg Univ.; St. Petersburg Branch of Steklov Mathematical Inst.; Euler International Mathematical Inst.

**Topics:** Asymptotic methods, Mathematical aspects of wave phenomena, Inverse prob-

lems, Scattering and diffraction, Boundary-contact problems, Waveguides and resonators, Rays and beams, Waves in non-uniform media, Boundary layers, Nonlinear waves, Propagation in random media, Numerical approaches.

**Deadline:** Abstract submission deadline: March 15, 1999.

**Information:** <http://mph.phys.spbu.ru/dd99/dd99.html>; I. Andronov e-mail: iva@AA2628.spb.edu; V. Grikurov e-mail: grikurov@mph.phys.spbu.ru.

- \* 10-12 1999 **International Conference on Preconditioning Techniques for Large Sparse Matrix Problems in Industrial Applications**, University of Minnesota, Hubert H. Humphrey Institute, Minneapolis, Minnesota.

**Sponsors:** Co-sponsored by the Minnesota Supercomputer Institute, Univ. of Minnesota, and the Univ. of Waterloo. In cooperation with the SIAM Linear Algebra Group.

**Topics:** Incomplete factorization preconditioners; Domain decomposition preconditioners; Approximate inverse preconditioners; Multi-level preconditioners; Preconditioning techniques in optimization problems; Preconditioning techniques in finite element problems; Preconditioning in Computational Fluid Dynamics (CFD); Applications in computational finance; Multiphase subsurface flow applications; Applications in petroleum industry; Applications in semiconductor device simulation.

**Organizing Committee:** D. Pierce, Boeing Company, Pgm co-chair; Y. Saad, Univ. of Minnesota, Pgm chair; W.-P. Tang, Univ. of Waterloo, Pgm co-chair.

**Information:** For detailed information see the conference web-site: URL: <http://www2.msi.umn.edu/Symposia/sparse99/main.html>, or call M. Olesen at 612-624-1356.

- \* 21-25 **International Workshop on Special Functions: Asymptotics, Harmonic Analysis, and Mathematical Physics**, City University of Hong Kong, Hong Kong, China.

**Topics:** Asymptotics; classical special functions; harmonic analysis and quantum groups; mathematical physics and partial differential equations; orthogonal polynomials.

**Organizing Committee:** C. Dunkl (Univ. of Virginia), M. Ismail (Univ. of South Florida), and R. Wong (City Univ. of Hong Kong).

**Sponsor:** Liu Bie Ju Centre for Mathematical Sciences at City University of Hong Kong.

**Information:** <http://www.cityu.edu.hk/ma/conference/iwsf/>; e-mail: malam@cityu.edu.hk.

### July 1999

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- \* 12-16 **First International Joint Meeting of the American Mathematical Society and the Australian Mathematical Society**, Melbourne, Australia.

**Information:** Information will be posted on the Meetings pages of e-MATH.

### August 1999

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- \* 1-7 **EQUADIFF 99**, Free University, Berlin, Germany.

**Program:** EQUADIFF 99 is one of a series of conferences devoted to all mathematical aspects of differential equations.

**Local Organization:** H.-G. Bothe (Freie Univ., Berlin), P. Deuffhard (Konrad-Zuse-Zentrum), K. Doppel (Freie Univ., Berlin), F. Duzaar (Humboldt Univ., Berlin), B. Fiedler (Freie Univ., Berlin), H. Gajewski (Weierstrass Institut), K. Gatermann (Freie Univ., Berlin), K. Groeger (Humboldt Univ., Berlin), R. Kornhuber (Freie Univ., Berlin), R. Lauterbach (Weierstrass Institut), K. Schneider (Weierstrass Institut), R. Seiler (Technische Univ., Berlin), J. Sprekels (Weierstrass Institut).

**Minisymposia:** There will be 37 minisymposia. Their titles outline the scope of the Equadiff Conference. Each minisymposium will be represented by a key note speaker.

**Social Program:** Excursions to Potsdam and other places of interest around Berlin will be organized for Wednesday afternoon. A Conference Dinner in a restaurant near the historical center of Berlin is planned for Thursday evening. Berlin offers a wide variety of galleries and museums, three opera houses, concert halls and other attractions.

**Preregistration:** Please use the form on our web site <http://www.math.fu-berlin.de/~equadiff/> to preregister and receive the Second Announcement in January 1999. Preregistration forms are also available by sending an e-mail message with empty body and Subject to: e-mail: [equadiff@math.fu-berlin.de](mailto:equadiff@math.fu-berlin.de).

**Contact Address:** EQUADIFF 99, c/o R. Loehr, Freie Univ. Berlin, Mathematisches Institut I, Arnimallee 2-6, D-14195 Berlin, Germany; fax: +49-30-838-75 409.

**Contributed Talks:** Titles/Abstracts can be submitted as LaTeX or PostScript files to [equadiff@math.fu-berlin.de](mailto:equadiff@math.fu-berlin.de). Please indicate in which minisymposium your abstract would fit best, if any. Acceptance and affiliation of talks to minisymposia will then be decided on by referees. Deadline for submission of abstracts is April 1, 1999.

**Conference Fees:** The conference fee will be DM 350, -for regular participants (DM 450, in case of registration after April 1, 1999), including local public transport ticket, welcome reception, program, book of abstracts and the conference proceedings. Students participate free of charge.

**Important Deadlines:** January 1, 1999: second announcement; April 1, 1999: early registration, title and abstract of contributed talks, contributions for proceedings.

### October 1999

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- \* 15-17 **AMS Southeastern Section Meeting**, University of North Carolina, Charlotte, North Carolina.

**Information:** Information will appear on the meetings pages on e-MATH.

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**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.**

### April 2000

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- \* 1-2 **AMS Eastern Section Meeting**, University of Massachusetts, Lowell, Massachusetts.

**Information:** Information will be posted to the meetings pages in e-MATH.

### July 2000

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- \* 17-22 **International Congress on Mathematical Physics**, Imperial College, London, United Kingdom.

**Satellite Meetings:** Bristol: PDEs and Schrödinger operators; Cambridge: Statistical mechanics; Edinburgh: Dynamical systems; Nottingham: Noncommutativity, geometry and probability; Kings College, London: Disordered systems, quantum groups and integrable systems; Queen Mary and Westfield College, London: Strings, branes and M-theory; Oxford: The mathematical theory of biological systems; Warwick: Geometry and analysis on path spaces and related fields; Imperial College: Young researchers symposium.

**Information:** Dept. of Mathematics, Imperial College, London SW7 2BZ, UK; fax: 44-0-171-594-8517; e-mail: [icmp2000@ic.ac.uk](mailto:icmp2000@ic.ac.uk); <http://icmp2000.ma.ic.ac.uk>.

### September 2000

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- \* 22-24 **AMS Central Section Meeting**, University of Toronto, Toronto, Ontario, Canada.
- Information:** Information will be posted on the meetings pages of e-MATH.

### November 2000

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- \* 3-5 **AMS Northeastern Section Meeting**, Columbia University, New York, New York.
- Information:** Information will be posted on the meetings pages on e-MATH.

### April 2001

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- \* 28-29 **AMS Northeastern Section Meeting**, Stevens Institute of Technology, Hoboken, New Jersey.
- Information:** Information will appear on the meetings pages on e-MATH.

### January 2002

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- \* 6-9 **Joint Mathematics Meetings**, San Diego Convention Center, San Diego, California.
- Information:** Information will appear on the meetings pages on e-MATH.