

# Mathematics Calendar

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

## December 1998

**2-4 Mathematical Economics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1998, p. 1049)

**4-5 NIPS\*98 Post Conference Workshops**, Breckenridge, Colorado. (Jun/Jul. 1998, p. 757)

**7-9 Spectral and Scattering Theory and Related Topics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1998, p. 1049)

**7-11 III International Symposium on Hamiltonian Systems and Celestial Mechanics**, Morelia, Michoacan, Mexico. (Sept. 1998, p. 1049)

**7-11 Microlocal Analysis and Systems of PDE in the Complex Domain**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1998, p. 1049)

**9-11 Blowup, Breakdown, and Related Topics in Nonlinear PDEs**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1998, p. 1049)

**13-15 CMS Winter 1998 Meeting**, Queen's University and Royal Military College, Kingston, Ontario, Canada. (Aug. 1998, p.

898)

**14-16 Algebraic Combinatorics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1998, p. 1049)

**14-18 First International Conference on Semigroups of Operators, Theory and Applications**, Marriot Hotel, Newport Beach, California. (Feb. 1998, p. 296)

**14-18 Hyperbolic Spaces and its Related Topics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1998, p. 1049)

**16-22 Symmetry and Perturbation Theory II**, Rome, Italy. (Apr. 1998, p. 534)

**17-19 International Symposium on Recent Advances in Mathematics and Applications (ISRAMA 98)**, Calcutta, India. (Oct. 1998, p. 1228)

**\* 18-20 DIMACS-HKUST Far-East Workshop on Algorithms and Combinatorics**, Hong Kong University of Science and Technology, Hong Kong.

**Sponsors:** DIMACS Center, Hong Kong University of Science and Technology.

**Goal:** The goal of this workshop is to foster greater communication and collaboration between DIMACS and algorithm researchers in Asia. Its focus will be on algorithms,

combinatorics and the interplay between them. Two types of talks are planned; extended surveys by nine distinguished invited speakers and shorter presentations by the attendees describing their current research. In addition, there will be open problem sessions.

**Invited Speakers:** M. Blum (Univ. of California at Berkeley), F. Chung (Univ. of Pennsylvania), D.-Z. Du (Univ. of Minnesota), R. Graham (AT&T Labs and Rutgers), W.-L. Hsu (Academia Sinica), F. Hwang (Academia Sinica), R. Pollack (NY Univ. (Courant Inst.)), R. Sedgewick (Princeton Univ.), M. Sharir (Univ. of Tel Aviv), N. Sloane (AT&T Labs).

**Contacts:** M. Golin, Hong Kong University of Science and Technology, [golin@cs.ust.hk](mailto:golin@cs.ust.hk).  
**Information:** WWW: <http://dimacs.rutgers.edu/Workshops/index.html>.

**19-21 (ORSI Convention) International Conference on Operations Research and Industry**, Institute of Basic Science, Agra, India. (May 1998, p. 642)

**\* 21-24 International Conference on p-Adic Analysis, Summability Theory, Fuzzy Analysis and Applications (INCOPASFA)**, Chennai, India.

**Organizers:** Forum d'Analystes, Madras. Cosponsored by Crescent Engineering College, Vandalur.

**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](mailto:e-math.ams.org); login and password [e-math](mailto:e-math)) and use the Lynx option from the main menu.)

**Description:** Forum d'Analystes is an autonomous international organization created (i) to promote study of mathematical analysis and particularly the fundamental branches thereof, (ii) to publish good surveys, research work, source books in analysis, (iii) to promote computational techniques in analysis, (iv) to organize meetings and workshops in analysis. In consonance of the avowed policy of the Forum d'Analystes to promote the interest of mathematical analysis and analysts, it is proposed to host an international conference in honor of Professors Dr. M. S. Rangachari and Dr. G. Rangan in recognition of their many years of service to mathematics in general and the mathematics community in India and Madras in particular.

**Aim:** This conference will provide an opportunity for young researchers working in these fields to come into contact with internationally reputed experts and have fruitful discussions. The conference will have invited half-hour talks by experts and paper presenting sessions by youngsters.

**Information:** For more information and all correspondence contact: S. A. Settu, Convener, INCOPASFA, Department of Mathematics, D. G. Vaishnav College, Arumbakkam, Chennai - 600 106, India; e-mail: saithu@hotmail.com.

**23-25 The Joint Annual Conference of the Bharat Ganita Parisad and the Jammu Mathematical Society—A symposium on functional analysis and applications,** Department of Mathematics, Lucknow University, Lucknow, India. (Jun/Jul. 1998, p. 757)

## January 1999

**January-June The Fields Institute for Research in Mathematical Sciences Program in Probability and Its Applications,** The Fields Institute, Toronto, Ontario, Canada. (Sept. 1997, p. 1031)

**4-8 Cell Adhesion and Motility,** University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 1998, p. 757)

**4-9 National Academy of Sciences Colloquium on Nonlinear Partial Differential Equations,** Irvine, California. (Oct. 1998, p. 1228)

**7-9 Semidefinite Programming and its Applications to Large Scale Discrete Optimization,** Computer Science Dept., Princeton University, Princeton, New Jersey. (Oct. 1998, p. 1228)

**7-11 Singular and Oscillatory Integrals,** University of Wisconsin-Madison, Madison, Wisconsin. (Sept. 1998, p. 1049)

**8-9 Nonlinear Differential Equations: A Meeting Honoring Professor Alan Lazer on the Occasion of his 60th Birthday,** The University of Miami, Coral Gables, Florida. (Apr. 1998, p. 535)

**8-12 Twenty-third Holiday Symposium: Algebraic Structures For Logic,** New Mex-

ico State University, Las Cruces, New Mexico. (May 1998, p. 642)

**11-12 Evolution as Computation,** Princeton University, Princeton, New Jersey. (Nov. 1998, p. 1376)

**11-14 Workshop on Coding and Cryptography,** Cercle militaire St. Augustin, Paris, France. (Aug. 1998, p. 898)

**13-16 Joint Mathematics Meeting,** San Antonio Convention Center, San Antonio, Texas. (Oct. 1998, p. 1263)

**15-16 ASL Winter Meeting (in conjunction with AMS annual meeting),** San Antonio, Texas. (Oct. 1998, p. 1228)

**15-16 Workshop on Algorithm Engineering and Experimentation (ALENEX99),** Omni Hotel, Baltimore, Maryland. (Nov. 1998, p. 1377)

**17-19 Tenth Annual ACM-SIAM Symposium on Discrete Algorithms (SODA'99),** Omni Inner Harbor Hotel, Baltimore, Maryland. (Jun/Jul. 1998, p. 758)

**18-20 Coherent Vatical Structures - Their Roles in Turbulence Dynamics,** Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1998, p. 1050)

**18-21 DMTCS'99, Discrete Mathematics and Theoretical Computer Science and CATS'99, Computing: The Australasian Theory Symposium,** University of Auckland and CDMTCS, Auckland, New Zealand. (Oct. 1998, p. 1228)

**19-23 Introductory Workshop in Random Matrix Models and their Applications,** Mathematical Sciences Research Institute, Berkeley, California. (Jun/Jul. 1998, p. 758)

**25-29 Computational Modeling in Biological Fluid Dynamics,** University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 1998, p. 758)

**25-29 Researches on Automorphic Forms and L-functions,** Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1998, p. 1050)

**26-30 Fields Institute Workshop on Probability in Finance,** Fields Institute, Toronto, Canada. (Aug. 1998, p. 898)

## February 1999

**1-4 Singularity Theory and Differential Equations,** Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1998, p. 1050)

**7-11 35th Australia-New Zealand Applied Mathematics Conference (ANZIAM 99),** Mollymook Golf Club, Ulladulla, New South Wales. (Dec. 1997, p. 1500)

**8-12 Membrane Transport and Renal Physiology,** University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 1998, p. 758)

**\* 11-12 Combustion Meeting in Honor of Professor Brian F. Gray,** Mollymook, Ulladulla, New South Wales.

**Information:** G. Mercer, School of Maths and Stats, University College, ADFA, UNSW, Canberra 2600, e-mail: g-merc@adfa.edu.au, Web: <http://www.ma.adfa.oz.au/Events/Conferences/BFGmeeting.html>.

**12-13 Fifteenth Conference on Applied Mathematics (CAM),** University of Central Oklahoma, Edmond, Oklahoma. (Nov. 1998, p. 1377)

**13 Hormones,** University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 1998, p. 758)

**15-19 Endocrinology: Mechanism of Hormone Secretion and Control,** University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 1998, p. 758)

**\* 18-21 Sunbelt XIX, International Sunbelt Social Network Conference,** Hawthorn Suites Hotel, Charleston, South Carolina.

**Focus:** The International Sunbelt Social Network Conference is a major forum for social scientists, mathematicians, computer scientists, and all others interested in social networks. The conference provides an opportunity for individuals interested in theory, methods, or applications of social networks to share ideas and common concerns.

**Sponsors:** Sponsors of Sunbelt XIX are the International Network for Social Network Analysis (INSNA) and the Department of Sociology at the University of South Carolina.

**Topics:** Current session topics include: Corporate and inter-organizational networks; Intra-organizational networks; Personal community networks; Networks and health; Networks and game theory; Diffusion; Networks through time; Social support; Cognitive networks; Biological networks; HIV/AIDS; Communication networks; Network exchange; Methods and statistics for network analysis. This list is preliminary. If you wish to organize a session, contact the organizers at the addresses below.

**Keynote Speaker:** N. Lin, Professor of Sociology and Director of the Asian Pacific Studies Institute, Duke Univ., will deliver the keynote address entitled "Building a Network Theory of Social Capital."

**Workshops:** Planned workshops include: B. Wellman's "A Non-Technical Introduction to Social Network Analysis"; S. Borgatti and M. Everett's "Introduction to the Analysis of Network Data"; and S. Wasserman and Company "Statistical Methods for Social Networks," and L. Freeman "Generating Images of Networks".

**Paper Submission:** To submit a paper, send an abstract of no more than 200 words by e-mail or in an ASCII file on diskette for DOS platforms and a hard copy to one of the organizers no later than December 15, 1998. Submission of more than one multiple-authored paper is acceptable. But, we may need to limit program participation to the equivalent of one single-authored paper per person.

**Registration:** Pre-registration is \$50.00 for INSNA members, \$75.00 for non-members, \$25.00 for students, and \$15.00 for registration-in-absentia for INSNA members (\$30.00 for non-members). All fees will be \$10.00 higher for registration at the conference. Deadline for preregistration is February 1, 1999.

**Organizers:** K. Faust, Department of Sociology, Univ. of South Carolina, Columbia, SC 29208; tel: 803-777-6848; e-mail: faust@garnet.cla.sc.edu; J. Skvoretz, Department of Sociology, Univ. of South Carolina, Columbia, SC 29208; tel: 803-777-4968; e-mail: skvoretz-john@sc.edu.

**Information:** Conference information will be updated regularly at the INSNA web site: <http://www.heinz.cmu.edu/project/INSNA/>.

**22-26 Random Matrices, Statistical Mechanics, and Integrable Systems**, Mathematical Sciences Research Institute, Berkeley, California. (Jun/Jul. 1998, p. 758)

## March 1999

**1-4 M/SET, International Conference on Mathematics/Science Education & Technology**, San Antonio, Texas. (Sept. 1998, p. 1050)

**3-5 Theory and Applications of Realtime Computation**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1998, p. 1050)

**5 Audition**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 1998, p. 758)

**7-13 Dirac Operators, Index Theorems and Numerical Invariants of Manifolds**, Greifswald University, Germany, Island of Usedom. (Jun/Jul. 1998, p. 759)

**7-14 Eighth International Conference on Geometry**, Nahsholim, Israel. (Sept. 1998, p. 1050)

**8-12 Audition**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 1998, p. 759)

**12-13 AMS Southeastern Section Meeting**, University of Florida, Gainesville, Florida. (Jun/Jul. 1998, p. 759)

**13-15 International Conference on Scientific Computations**, Beirut Arab University, Beirut, Lebanon. (Oct. 1998, p. 1228)

**13-17 1999 Arizona Winter School: Local-to-Global Principles in Arithmetical Algebraic Geometry**, University of Arizona, Tucson, Arizona. (Oct. 1998, p. 1229)

**16-20 1999 UAB-GIT International Conference on Differential Equations and Mathematical Physics**, University of Alabama at Birmingham, Birmingham, Alabama. (Jun/Jul. 1998, p. 759)

**17-19 International Conference on Differential Equations and Nonlinear Mechanics**, University of Central Florida, Orlando, Florida. (Nov. 1998, p. 1377)

**18-21 AMS Central Sectional Meeting**,

University of Illinois-Urbana, Urbana, Illinois. (Aug. 1997, p. 846)

**20-23 ASL Annual Meeting**, San Diego, California. (Oct. 1998, p. 1229)

\* **20-23 Measurable and Topological Dynamics**, University of Maryland, College Park, Maryland.

**Information:** For information see <http://www.math.umd.edu/~krb/dynsys.html>.

**22-24 Ninth SIAM Conference on Parallel Processing for Scientific Computing**, Adam's Mark San Antonio-Riverwalk Hotel, San Antonio, Texas. (Jun/Jul. 1998, p. 759)

**24-26 DIMACS Workshop on Mobile Networks and Computing**, DIMACS Center, Rutgers University, Piscataway, New Jersey. (Sept. 1998, p. 1050)

**24-27 Fifth SIAM Conference on Mathematical and Computational Issues in the Geosciences**, Adam's Mark San Antonio-Riverwalk Hotel, San Antonio, Texas. (Jun/Jul. 1998, p. 759)

**25-26 Third International Multidisciplinary Congress in Quality and Reliability**, Paris, France. (Aug. 1998, p. 899)

**25-28 International Conference on Algebra and its Applications**, Ohio University, Athens, Ohio. (Oct. 1998, p. 1229)

\* **29-April 1 British Mathematical Colloquium**, University of Southampton, Southampton, England.

**Plenary Speakers:** F. Buekenhout, E. Ghys, A. Shalev, D. Vogan.

**Special Sessions:** Geometric Group Theory (organiser D. B. A. Epstein), Stochastic Analysis (organiser T. J. Lyons).

**Support:** The British Mathematical Colloquium is supported financially by the London Mathematical Society.

**Information:** See <http://www.maths.soton.ac.uk/bmc/or> e-mail I. Leary at [ijl@maths.soton.ac.uk](mailto:ijl@maths.soton.ac.uk).

## April 1999

**6-9 London Mathematical Society Invited Lecture Series**, University of Bath, Bath, United Kingdom. (Oct. 1998, p. 1229)

**7-9 Fourth International Conference on Typed Lambda Calculi and Applications (TLCA'99)**, l'Aquila, Italy. (Jun/Jul. 1998, p. 759)

**10-11 AMS Western Sectional Meeting**, University of Nevada, Las Vegas, NV. (Apr. 1997, p. 481)

**Information:** W. Drady, [wsd@ams.org](mailto:wsd@ams.org).

**12-15 Nonlinear Evolution Equations and Wave Phenomena: Computation and Theory**, Athens, Georgia. (Apr. 1998, p. 535)

**17-18 (NEW DATE) Riviere-Fabes Symposium on Analysis and PDE**, University of Minnesota, Minneapolis, Minnesota. (Sept. 1998, p. 1050)

\* **15-17 Complex Dynamics: The University of Arkansas Annual Lectures in the Mathematical Sciences.**, University of Arkansas, Fayetteville, Arkansas.

**Principal Lecturers:** M. Lyubich and J. Milnor (SUNY at Stony Brook).

**Program:** The meeting will consist of at least five sessions: morning and afternoon sessions on Thursday and Friday and a morning session on Saturday. Each session will begin with a lecture by Professor Milnor or Professor Lyubich, followed by two or three talks by invited speakers or contributed papers.

**Call for Papers:** Contributed papers should be submitted before Feb. 15, 1999.

**Funding:** A proposal has been submitted to the National Science Foundation for funds to assist graduate students and young researchers with expenses.

**Information:** Contact I. Monroe or V. Retakh, Department of Mathematical Sciences, SCEN 301, Univ. of Arkansas, Fayetteville, AR 72701; e-mail: [imonroe@comp.uark.edu](mailto:imonroe@comp.uark.edu) or [vretakh@comp.uark.edu](mailto:vretakh@comp.uark.edu).

\* **15-17 Thirty-second Biennial Kappa Mu Epsilon National Convention**, Florida Southern College, Lakeland, Florida.

**Program:** There will be approximately 15 student talks on all aspects of math, stat and computer science presented. A banquet with an invited faculty speaker will be part of the agenda. Awards for the top four undergraduate talks are given.

**Call for Papers:** KME students should submit five copies of their talk by February 10, 1999 to: R. Bailey, Department of Math, Niagara University, NY 14109.

**Information:** P. Costello, Department of Math, Eastern Kentucky University, Richmond, KY 40475-3133; tel: 606-622-1925; e-mail: [matcostello@acs.eku.edu](mailto:matcostello@acs.eku.edu).

**19-23 Local Interaction and Global Phenomena in Vegetation and Other Systems**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 1998, p. 759)

**24-25 AMS Eastern Sectional Meeting**, State University of New York, Buffalo, NY. (Apr. 1997, p. 481)

**Information:** W. Drady, [wsd@ams.org](mailto:wsd@ams.org).

## May 1999

**7-8 1999 ASL Spring Meeting**, New Orleans, Louisiana (in conjunction with a meeting of the Central Division of the American Philosophical Association, May 5-8, 1999). (Oct. 1998, p. 1229)

**10-12 Sixth SIAM Conference on Optimization**, Radisson Atlanta Hotel, Atlanta, Georgia. (Jun/Jul. 1998, p. 760)

**12-15 1999 SIAM Annual Meeting**, Radisson Atlanta Hotel, Atlanta, Georgia. (Jun/Jul. 1998, p. 760)

**13-14 Introduction to Epidemiology and Immunology**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 1998, p. 760)

14-16 **BLMS'99, Joint meeting of the London Mathematical Society and the Belgian Mathematical Society**, Université Libre de Bruxelles, Brussels, Belgium. (Sept. 1998, p. 1050)

17-21 **Mathematical Approaches for Emerging and Reemerging Infectious Diseases**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 1998, p. 760)

19-22 **Fourth International Joint Meeting of the AMS and the Sociedad Matematica Mexicana (SMM)**, University of North Texas, Denton, Texas. (Nov. 1998, p. 1377)

24-28 **Fifth SIAM Conference on Applications of Dynamical Systems**, Snowbird Ski and Summer Resort, Snowbird, Utah. (Jun/Jul. 1998, p. 760)

26-28 **Crystallographic Groups and their Generalizations II**, K. U. Leuven (Campus Kortrijk), Kortrijk, Belgium. (Aug. 1998, p. 899)

26-29 **Third International Conference on Dynamic Systems and Applications**, Atlanta, Georgia. (Sept. 1998, p. 1051)

26-29 **Twelfth Biennial Conference of the Association of Christians in the Mathematical Sciences**, Gordon College, Wenham, MA. (Oct. 1998, p. 1229)

27-29 **Mathematics Towards The Third Millennium**, Accademia Nazionale dei Lincei, Rome, Italy. (Oct. 1998, p. 1230)

31-June 4 **The 19th International Conference on Distributed Computing Systems (ICDCS '99)**, Austin, Texas. (Nov. 1998, p. 1377)

31-June 4 **Turku Symposium on Number Theory in Memory of Kustaa Inkeri**, University of Turku, Finland. (Sept. 1998, p. 1051)

## June 1999

1-4 **Day on Diffraction'99**, St. Petersburg Branch of Steklov Mathematical Institute, St. Petersburg, Russia. (Nov. 1998, p. 1377)

7-9 **Theoretical, Experimental & Computational Mechanics**, Cincinnati, Ohio. (Oct. 1998, p. 1230)

7-11 **From Individual to Aggregation: Modeling Animal Grouping**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 1998, p. 760)

7-11 **Random Matrices and Their Applications: Quantum Chaos, GUE Conjecture for Zeros of Zeta Functions, Combinatorics, and All That**, Mathematical Sciences Research Institute, Berkeley, California. (Jun/Jul. 1998, p. 760)

7-11 **Second IMACS Conference on Monte Carlo Methods**, Varna, Bulgaria. (Sept. 1998, p. 1051)

10-12 **1999 International Conference on Preconditioning Techniques for Large Sparse Matrix Problems in Industrial Applications**, University of Minnesota, Hu-

bert H. Humphrey Institute, Minneapolis, Minnesota. (Nov. 1998, p. 1378)

13-17 **Conference on The Mathematics of Public-Key Cryptography**, The Fields Institute, Toronto, Ontario, Canada. (Sept. 1998, p. 1051)

\* 14-19 **MATHTOOLS'99, 2nd International Conference "Tools for Mathematical Modelling"**, Saint-Petersburg State Technical University, Saint-Petersburg, Russia.

**Focus:** MATHTOOLS'99 is a multidisciplinary conference on latest advances in the theory of ordinary differential equations and the role of the theory for explanation of some nonlinear effects arising in real systems as well as demonstration of up-to-date efficient methods for solving of applied technical problems, providing an ideal forum for researchers to disseminate knowledge, research results and applications in many sectors of activity.

**Topics:** Papers may address a broad range of research fields of current interest. A list of possible topics includes (but is not limited to) the following: Mathematical modelling; Computer algebra; Design techniques; Numerical methods; Parallel and distributed algorithms; Computer modeling in dynamical systems; Mathematical models in biology, medicine, ecology, etc.; Applications to physics, electrotechniques, and electronics; Dynamic economic models; General macroeconomic models; Market models; Wavelets and their applications.

**Organizing Committee:** Y. Ivanov (St. Petersburg Technical Univ., secretary), G. S. Osipenko (St. Petersburg Technical Univ., chair).

**Scientific Committee:** L. Belous (Ukraine), D. Dytte (Denmark), J. Hugger (Denmark), A. Kasterin (Russia), V. Malozemov (Russia), M. Mrozek (Poland), A. Petukhov (Russia), M. Seppala (USA), V. Sterla (USA), G. Tardivel (UK), V. Tkachenko (Ukraine), V. Zavadskii (Belorussia), V. Zheludev (Israel), A. Zhizchenko (Russia), and S. Znamensii (Russia).

**Abstracts:** The papers selection for the meeting will be made on the basis of an abstract. The abstract (in 1-2 complete pages, hard copy only) should include the title of the paper, names of all authors, addresses and complete affiliations, and appropriate references.

**Deadlines:** Abstracts due: April 30, 1999; registration form: April 30, 1999.

**Information:** Y. Ivanov, MATHTOOLS'99, Dept. of Mathematics, State Technical University, Polytechnicheskaya st., 29, St. Petersburg 195251, Russia; fax: +7+812+5343314 or +7+812+5341404; e-mail: lab@osipenko.stu.neva.ru, math@math.hop.stu.neva.ru, or petukhov@pdmi.ras.ru.

17-20 **Six Projects in Mathematics and Physics-A Cooperation Project between Scientists from the CIS and Germany**, Technische Universitaet Berlin, Germany. (Aug. 1998, p. 899)

21-25 **International Workshop on Special Functions: Asymptotics, Harmonic**

**Analysis, and Mathematical Physics**, City University of Hong Kong, Hong Kong, China. (Nov. 1998, p. 1378)

25-30 **Intermediate questions of Model Theory and Universal Algebra**, Novosibirsk State Technical University & Math. Institute of Siberian branch of Academy of Russia, Novosibirsk, Russia. (Sept. 1998, p. 1052)

29-July 3 **Theory and Mathematics in Biology and Medicine (TMBM99)**, Vrije Universiteit, Amsterdam, The Netherlands (Sept. 1998, p. 1052)

## July 1999

\* 2-5 **Fourteenth Annual IEEE Symposium on Logic in Computer Science**, Trento, Italy.

**Sponsors:** The symposium is sponsored by the IEEE Technical Committee on Mathematical Foundations of Computing in cooperation with the Association for Symbolic Logic, the European Association for Theoretical Computer Science, and the Association for Computing Machinery. The symposium is hosted by ITC-IRST, and is a part of the Federated Logic Conference (FLoC'99). For more information about FLoC, see <http://www.cs.bell-labs.com/cm/cs/what/floc99/>.

**Topics:** Topics of interest include: abstract data types, automated deduction, bounded arithmetic, categorical models and logics, combination of logics, concurrency, constraint programming, constructive mathematics, database theory, denotational semantics, domain theory and applications, finite model theory, formal methods, game semantics, hybrid systems, logics of knowledge, lambda and combinatory calculi, linear logic, logical aspects of computational complexity, logics in artificial intelligence, logics of programs, logic programming, modal and temporal logics, model checking, logical aspects of protocol security, rewriting, semantics, software specification, type theory and type systems, universal algebra, and verification.

**Call for Papers:** Paper submission: e-mail an extended abstract (not a full paper) to the program chair, Giuseppe.Longo@ens.fr, and to the associate chair, Gilles.Dowek@inria.fr, to be received by December 10, 1998. The abstract should mention, on the first page, one or more keywords (possibly from the list above), in decreasing order of relevance. The deadline is firm; late submissions and papers without keywords will not be considered. Authors will be notified of acceptance or rejection by February 17, 1999. Accepted papers in a specified format for the proceedings will be due by April 5, 1999.

Format your abstract as a PostScript file, accompanied by a separately e-mailed textfile cover letter. One hard copy must be sent to the program chair, to arrive before December 18, 1998.

**Program Chair:** G. Longo, Attn: LICS, LIENS (CNRS) et DMI, École Normale Supérieure, 45 Rue D'Ulm, 65005 Paris, France; e-mail:

Giuseppe.Longo@ens.fr, tel: +33-1-4432-3328; fax: +33-1-4432-2080.

2-10 **The 1999 Federated Logic Conference (FLoC '99)**, Trento, Italy. (Sept. 1998, p. 1052)

5-9 **The Fourth International Congress on Industrial and Applied Mathematics**, Edinburgh, Scotland. (Dec. 1997, p. 1500)

\*9-17 **Computation in Group Theory and Geometry**, University of Warwick, Coventry, England.

**Information:** Please see the Web page <http://www.maths.warwick.ac.uk/~dbae/symposium99.html>.

12-16 **First International Joint Meeting of the American Mathematical Society and the Australian Mathematical Society**, Melbourne, Australia. (Nov. 1998, p. 1378)

12-17 **Journees Arithmetiques 1999**, Rome, Italy. (May 1998, p. 642)

7-17 **Emerging Applications of Dynamical Systems**, University of Minnesota, Minneapolis, Minnesota. (Mar. 1998, p. 427)

13-16 **International Conference on Applied Partial Differential Equations**, Tongji University, Shanghai, China. (Oct. 1998, p. 1230)

25-August 7 **The 14th International Conference on Banach Algebras**, Pomona College, Claremont, California. (Sept. 1998, p. 1052)

26-30 **ENUMATH 99 - Third European Conference on Numerical Mathematics and Advanced Applications**, University of Jyväskylä, Jyväskylä, Finland. (Sept. 1998, p. 1052)

## August 1999

August-December **MSRI Program in Galois Groups and Fundamental Groups**, Mathematical Sciences Research Institute, Berkeley, California. (Sept. 1998, p. 1053)

August-May 2000 **MSRI Program in Non-commutative Algebra**, Mathematical Sciences Research Institute, Berkeley, California. (Sept. 1998, p. 1053)

1-6 **1999 ASL European Summer Meeting (Logic Colloquium '99)**, Utrecht, The Netherlands. (Oct. 1998, p. 1230)

1-7 **EQUADIFF 99**, Free University, Berlin, Germany. (Nov. 1998, p. 1378)

2-13 **IMA Summer Program: IMA Workshop on Codes, Systems and Graphical Models**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 1998, p. 760)

\*8-14 **Second International Conference on Boundary Value Problems, Integral Equations and Related Problems**, Chengde, Hebei, and Beijing, China.

**Topics:** The conference will be about the following five subjects: 1) Various boundary value problems for partial differential equations including free and moving boundary problems; 2) The theory and methods of

integral equations including singular integral equations; 3) Applications of boundary value problems and integral equations to mechanics and physics; 4) Numerical methods of integral equations and boundary value problems; 5) Some related problems with analysis and above subjects.

**Organizing Committee:** Z. Y. Hou (Fudan Univ.), W. Lin (Zhongshan Univ.), J. K. Lu (Wuhan Univ.), G. C. Wen (Peking Univ.), G. W. Yang (Hebei Sci. & Tech. Univ.) and Z. Zhao (Beijing Normal Univ.).

**Information:** More detailed information, please contact G. C. Wen, Dept. of Math., Peking Univ., Beijing 100871, China; tel: 008610-62755937; fax: 008610-62751801; e-mail: wengc@pku.edu.cn.

9-14 **Gyorgy Alexits Memorial Conference**, Budapest, Hungary. (Jun/Jul. 1998, p. 760)

\*9-20 **Summer School on Empirical Processes**, University of Aarhus, Denmark.

**Forum:** From Monday, August 9, 1999, to Friday, August 20, 1999, MaPhySto will organize a summer school on empirical processes.

**Lectures:** Each of the following have agreed to give a series of lectures (7-9 lectures of 45 min. each): Uniform Central Limit Theorems by R. M. Dudley (MIT); Empirical Processes at Work in Statistics by A. W. Van der Vaart (Amsterdam) & J. A. Wellner (Seattle); Empirical and Partial-sum Processes Revisited as Random Measure Processes by P. Gänssler (Munich); Convergence in Law of Random Elements and Sets by J. Hoffmann-Jørgensen (Aarhus). Furthermore there will be 5-10 guest speakers (still leaving slots for the participants to speak).

**Information:** See <http://www.maphysto.dk/events/EmpirProc99/>.

\*16-18 **Conference in Honor of Daniel J. Kleitman's 65th Birthday**, M.I.T., Cambridge, Massachusetts.

**Information:** See <http://www.math.uiuc.edu/~west/kcc.html>.

19-21 **20th Anniversary of Boundary Elements Conference (BEM 20)**, University of Central Florida, Orlando, Florida. (Mar. 1998, p. 427)

23-27 **International Conference on Topology and its Applications**, Kanagawa University, Yokohama, Japan. (Aug. 1998, p. 899)

## September 1999

1-3 **First International Conference on the Integration of Dynamics, Monitoring and Control (DYMAC 99)**, Manchester, United Kingdom. (Sept. 1998, p. 1053)

14-16 **ElectrIMACS—Conference on Electrical Machines, Converters and Systems**, Lisbon, Portugal. (Apr. 1998, p. 535)

## October 1999

2-3 **AMS Eastern Sectional Meeting**, Prov-

idence College, Rhode Island. (Sept. 1997, p. 1031)

**Information:** W. Drady, e-mail: [wsd@ams.org](mailto:wsd@ams.org).

8-10 **AMS Central Sectional Meeting**, University of Texas, Austin. (Sept. 1997, p. 1031)

**Information:** W. Drady, e-mail: [wsd@ams.org](mailto:wsd@ams.org).

15-17 **AMS Southeastern Section Meeting**, University of North Carolina, Charlotte, North Carolina. (Nov. 1998, p. 1378)

**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.**

## September 2001

\*1-May 31 **Institut Mittag-Leffler Call for Proposals**, Djursholm, Sweden.

**Aim:** The Institute runs programs in specialized areas of mathematics to which leading scientist in the area are invited. In a concurrent junior visiting program, post-docs and advanced graduate students are invited to participate. The programs can run for the whole year, or be of semester length.

**Criteria:** The selection criteria for proposals are scientific strength and timeliness, and the degree to which the program would benefit mathematical research in Scandinavia including Finland and Iceland. Proposals should contain: a description of the intended area of specialization; the names of the proposed committee; a list of suggested invitees, most of whom should have indicated an interest in the program and a willingness to participate; a description of the Scandinavian connection.

**Steering Committee:** The scientific programs are led by a steering committee of 2-4 persons which will work closely with the director and which will suggest invitees to the board. It is expected that at least one member of the committee be present at all times during the period of the program.

**Information:** Proposals should be addressed to The Board, Institut Mittag-Leffler and sent to: Institut Mittag-Leffler, Auravägen 17, S-182 62 Djursholm, Sweden. The deadline for applications is February 28, 1999. For further information, consult the Institute's home page: <http://www.ml.kva.se>, or contact the director, K.-O. Widman, e-mail: [widman@ml.kva.se](mailto:widman@ml.kva.se).