

# Mathematics Calendar

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

## February 1998

\* 19–21 **Workshop on Current Trends in Research on Mathematics Education**, Centre de Recerca Matemàtica, Bellaterra, Spain.  
**Coordinators:** A. J. Bishop and N. Gorgoriu.  
**Information:** e-mail: [crm@crm.es](mailto:crm@crm.es), Web: <http://www.crm.es/>.

\* 20–21 **DIMACS Workshop on Ethical and Social Dimensions of Information Technology**, Princeton University, Princeton, New Jersey.

**Sponsor:** DIMACS Center.

**Organizers:** B. Chazelle, J. Feigenbaum, and H. Nissenbaum.

**Contacts:** H. Nissenbaum, e-mail: [helen@phoenix.princeton.edu](mailto:helen@phoenix.princeton.edu).

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

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

## March 1998

\* 30–April 3 **Third Workshop on Randomized Parallel Computing (Call for Papers)**, Orlando, Florida.

**Sponsor:** IEEE Computer Society, Technical Committee on Parallel Processing.

**Forum:** Randomization has played a vital role in the domains of both sequential and

parallel computing in the past two decades. This workshop is a forum for bringing together both theoreticians and practitioners who employ randomized techniques in parallel computing.

**Topics:** Topics include, but are not limited to: network algorithms, PRAM algorithms, architectures, I/O systems, scheduling, network fault tolerance, reconfigurable networks, optical networks, various applications, programming models and languages, implementation experience.

**Information:** Check the Web using the URLs: <http://www.ippsxx.org>; <http://www.cise.ufl.edu/~raj/WPRC98.html>.

## April 1998

\* 4–5 **Rivière-Fabes Symposium on Analysis and PDE**, University of Minnesota, Minneapolis, Minnesota.

**Speakers:** N. Garofalo (Purdue Univ.), C. Kenig (Univ. of Chicago), Z. Zhao (Univ. of Missouri-Columbia).

**Support:** A limited amount of financial support will be available to out-of-town graduate students who participate in the symposium.

**Information:** M. Jodeit ([jodeit@math.umn.edu](mailto:jodeit@math.umn.edu)); <http://www.math.umn.edu/arb/RFPPoster.html>. Mailing address: School of Mathematics, Univ. of Minne-

sota, 206 Church St., S.E., 127 Vincent Hall, Minneapolis, MN 55455.

\* 14–July 17 **Topology Semester**, Centre de Recerca Matemàtica, Bellaterra, Spain.

**Organizers:** J. Aguadò, C. Broto, and C. Casacuberta.

**Information:** e-mail: [crm@crm.es](mailto:crm@crm.es); Web: <http://www.crm.es/>.

## May 1998

\* 2–4 **Quadratic Forms and Orthogonal Groups: Conference in Honor of the 70th Birthday of O. Timothy O'Meara**, University of Notre Dame, Notre Dame, Indiana.

**Principal Speakers:** M. Aschbacher, J. Conway, M. Knebusch, T. Y. Lam, G. Margulis, G. Prasad, C. Riehm.

**Contributed Papers:** A limited number of short talks on topics close to Professor O'Meara's work on quadratic forms and classical groups will be scheduled.

**Organizers:** M. Dyer, A. Hahn, B. Pollak, and W. Wong.

**Information:** Write to any one of the organizers at the University of Notre Dame, Notre Dame, IN 46556-5683, or e-mail: [wong.1@nd.edu](mailto:wong.1@nd.edu).

\* 20–23 **Continued Fractions: From Analytic Number Theory to Constructive Approx-**

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

imation, University of Missouri, Columbia, Missouri.

**Plenary Speakers:** R. A. Askey, B. C. Berndt, D. C. Bowman, A. Bultheel, H. H. Chan, M. H. Ismail, W. B. Jones, L. J. Lange, L. Lorentzen, D. R. Masson, P. Nevai, O. Njastad, W. van Assche.

**Program:** In addition to the plenary talks, the conference program will include sessions for 25-minute contributed talks.

**Abstracts:** Abstracts of talks (TeX files by e-mail or hard copies) should be sent by May 8, 1998, to one of the addresses below.

**Registration:** There will be a conference fee of \$25 payable on arrival (graduate students exempt). Registration forms can be obtained upon request by e-mail or from our conference Web site.

**Organizing Committee:** M. Ashbaugh, B. Berndt, F. Gesztesy, N. Kalton, J. Lange, and I. Verbitsky.

**Information:** e-mail: cf@math.missouri.edu or by regular mail to F. Gesztesy, Dept. of Mathematics, Univ. of Missouri, Columbia, MO 65211. Conference home page: <http://www.math.missouri.edu/~cf/>. We have applied for funds to defray travel and lodging costs. Preference will be given to graduate students and recent Ph.D.s. Those interested in applying for such funds please contact F. Gesztesy by April 30, 1998.

\* 25–27 **The Delft Meeting on Functional Analysis and Nonlinear Partial Differential Equations**, Delft University of Technology, Delft, The Netherlands.

**Invited Lecturers:** H. Amann (Univ. Zürich), H. Brezis (Univ. Paris VI and Rutgers Univ.), G. Da Prato (Scuola Normale Superiore di Pisa), D. G. de Figueiredo (Unicamp Campinas), J. P. Gossez (Univ. Libre de Bruxelles), H.-Ch. Grunau (Univ. Bayreuth), J. Hulshof (Rijksuniversiteit Leiden), E. Mitidieri (Univ. degli Studi di Trieste), M. Plum (Univ. Karlsruhe), S. I. Pohozaev (Steklov Mathematical Institute, Moscow), P. H. Rabinowitz (Univ. of Wisconsin, Madison), J. Serrin (Univ. of Minnesota, Minneapolis).

**Organizers:** Ph. Climent and G. Sweers.

**Information:** <http://aw.twi.tudelft.nl/~sweers/meeting/meeting.html>. Registration: <http://aw.twi.tudelft.nl/~sweers/meeting/register.html>. Contact: [tini@twi.tudelft.nl](mailto:tini@twi.tudelft.nl).

\* 27–June 2 **Advanced Course on Classifying Spaces and Cohomology of Groups**, Centre de Recerca Matemàtica, Bellaterra, Spain.

**Speakers:** W. G. Dwyer (Univ. of Notre Dame, Indianapolis), H.-W. Henn (Univ. d'Strasbourg and Max-Planck Institute).

**Organizers:** C. Broto and C. Casacuberta (Univ. Autònoma de Barcelona).

**Information:** e-mail: [crm@crm.es](mailto:crm@crm.es); Web: <http://www.crm.es/>.

## June 1998

\* 4–10 **1998 Barcelona Conference on Algebraic Topology**, Centre de Recerca

Matemàtica, Bellaterra, Spain.

**Organizers:** J. Aguadò, C. Broto, and C. Casacuberta.

**Speakers:** A. K. Bousfield (Univ. of Illinois at Chicago), F. R. Cohen (Univ. of Rochester), W. G. Dwyer (Univ. of Notre Dame), Y. Felix (Univ. Catholique de Louvain), J. P. Greenlees (Univ. of Sheffield), J. Lannes (École Polytechnique, Paris), W. Luck (Univ. of Munster), R. Milgram (Stanford Univ.), G. Mislin (ETH, Zurich), D. Ravenel (Univ. of Rochester).

**Information:** e-mail: [crm@crm.es](mailto:crm@crm.es); Web: <http://www.crm.es/>.

\* 7–19 **NATO ASI—1998 CRM Summer School**, Banff, Alberta, Canada.

**Organizing Committee:** B. Gordon (Oklahoma), J. D. Lewis (Alberta), S. Müller-Stach (Essen), S. Saito (Tokyo), N. Yui (Queen's).

**Program:** This institute will offer an in-depth account of the arithmetic and geometry of algebraic cycles from several points of view, including arithmetic methods, transcendental methods, topological methods, and motives and  $K$ -theory methods.

**Speakers:** A. Beilinson (IAS), S. Bloch (Chicago), J.-L. Colliot-Thélène (Paris-Sud), H. Esnault (Essen), E. Friedlander (Northwestern) [tentative], P. Gajjar (Johns Hopkins), B. van Geemen (Torino), H. Gillet (Illinois), B. Gordon (Oklahoma), M. Green (UCLA), U. Jannsen (Köln), A. Langer (Münster), B. Lawson (Stony Brook), J. Lewis (Alberta), S. Müller-Stach (Essen), K. Murty (Toronto), J. Nekovář (Cambridge), D. Ramakrishnan (Cal Tech), W. Raskind (Southern Cal), M. Saito (Kobe), S. Saito (Tokyo), T. Saito (Tokyo), C. Schoen (Duke), A. Scholl (Durham, UK), C. Soulé (IHES), V. Voevodsky (Northwestern), N. Yui (Queen's), D. Zagier (MPIM Bonn), Y. Zarhin (Penn State).

**Information:** And application form: L. Pelletier, CRM, Université de Montreal, C.P. 6128, Succ. Centre-ville, Montréal (Quebec), Canada H3C 3J7; e-mail: [Banff98@CRM.UMontreal.ca](mailto:Banff98@CRM.UMontreal.ca); Web: <http://www.CRM.UMontreal.ca/Banff98.html>.

\* 15–17 **Conference on Advances in Applied and Computational Mathematics**, Mathematical Sciences Research Institute, Berkeley, California.

**Theme:** A conference will be held to celebrate the birthday of Alexandre Chorin. The theme of the conference will be applied mathematics and scientific computing and will cover topics in fluid mechanics, combustion, turbulence, materials sciences, statistical mechanics, and related issues. The mathematical community is warmly invited to attend.

**Invited Speakers:** Include Chorin's former students and S. Abarbanel (Tel Aviv), G. I. Barenblatt (Berkeley), M. Bernatzki (Jerusalem), A. Ghoniem (MIT), J. Glimm (Stony Brook), O. Hald (Berkeley), P. Lax (Courant), J.-L. Lions (Paris), A. Majda (Courant), C. Morawetz (Courant), A. K. Oppenheim (Berkeley), R. Piva (Rome), R. Somerville (Scripps), O. Widlund (Courant).

**Information:** Send e-mail to [berkeley-98@math.berkeley.edu](mailto:berkeley-98@math.berkeley.edu) or regular mail to: Conference on Advances in Applied and Computational Mathematics, MailStop 50A-2152, Lawrence Berkeley National Laboratory, Berkeley, CA 94720. Hotel and transportation information will be available online in the coming months at <http://math.berkeley.edu/berkeley-98/chorin.html>.

**Financial Support:** A limited amount of funding is available for partial support of people wishing to attend. Students, recent Ph.D.s, women, and minorities are particularly encouraged to apply. To apply for funding, please send a letter explaining your interest in the conference together with a vita or bibliography and budget for travel/living expenses. If you are a student, also solicit a letter from a faculty advisor. All information should be received by February 15, 1998. MSRI is committed to the principles of Equal Opportunity and Affirmative Action.

\* 24–26 **Centennial Congress on M. C. Escher (1898–1972)**, University of Rome "La Sapienza", Rome, Italy.

**Contributed Papers:** Submit a 1-page abstract on a topic directly relating to Escher's life or work to USA address below by February 15, 1998. Only a small number can be accepted for presentation; notification of acceptance by March 15, 1998.

**Special Session:** Small special session following on June 27–28, 1998, in Ravello (Amalfi coast), Italy. Only those registered for the Rome congress may participate in the special session in Ravello. Reservations no later than February 1998.

**Registration:** Registration fee US\$120. Deadline is April 1, 1998. Registration form available from: USA: e-mail: [escher98@moravian.edu](mailto:escher98@moravian.edu); fax: 610-861-1462; post: D. Schattschneider, Moravian College, 1200 Main St., Bethlehem, PA 18018-6650; Italy: e-mail: [escher98@mat.uniroma1.it](mailto:escher98@mat.uniroma1.it); fax: 39-6-44701007; post: M. Emmer, Dipartimento di Matematica, Università di Roma "La Sapienza", Piazzale A. Moro, 00185, Rome, Italy. **Information:** Contact: Centro Universitario Europeo per i Beni Culturali, Villa Rufolo, 84010 Ravello (SA), Italy; tel: 39-89-858101, 857669; fax: 39-89-857711; e-mail: [cuebc@amalficoast.it](mailto:cuebc@amalficoast.it); Web: <http://www.mat.uniroma1.it/escher98/>.

\* 29–July 1 **Parallel Computing and Algorithms in Economics and Finance (Call for Papers)**, University of Cambridge, Cambridge, United Kingdom.

**Organizers:** E. J. Kontoghiorghes (Institut d'informatique, Neuchatel), H.-H. Naegeli (Institut d'informatique, Neuchatel).

**Theme:** This session will deal with papers addressing methods for solving economic and finance problems on parallel computers. Contributions on parallel computing and algorithms that potentially can be used in economics and finance are welcome.

Sessions themes include, but are not limited to: parallel computing applications to economics and finance, software developments, tools and parallel algorithms useful for large-scale estimation problems.

**Abstracts:** Authors wishing to present a paper are invited to submit an abstract (maximum two pages) by January 10, 1998. Contributions by post (hard copy), e-mail, or fax should be submitted to: E. J. Kontoghiorghes, Institut d'informatique, Université de Neuchâtel, Rue Emile-Argand 11, CH-2007 Neuchâtel, Switzerland; e-mail: [erricos.kontoghiorghes@info.unine.ch](mailto:erricos.kontoghiorghes@info.unine.ch); fax: +41-0-32-718-27-01.

### July 1998

\* 9-10 **Workshop on New Methods in Applied and Computational Mathematics (NEMACOM'98)**, Hervey Bay, Queensland, Australia.

**Information:** Because of clashes with some other conferences (SIAM annual meeting, EMAC'98 in Adelaide), it has been decided to change the date of NEMACOM'98 to the 9th and 10th of July 1998. For further information and updates about the conference, see the Web page: <http://www.cs.tamu.edu/faculty/oliveira/nemacom98/>, or e-mail: [nemacom98@cs.tamu.edu](mailto:nemacom98@cs.tamu.edu).

\* 20-25 **Exactly Solvable Models in Mathematical Physics**, Chelyabinsk University of Technology, Chelyabinsk, Russia

**Workshop Topics:** Multidimensional integrability, tetrahedron equation, functional tetrahedron equation and quantization of its solutions, connection with quantum strings; low-dimensional integrability.

**Information:** Contact I. G. Korepanov, e-mail: [igor@prima.tu-chel.ac.ru](mailto:igor@prima.tu-chel.ac.ru).

\* 26-August 1 **XV Escola de Algebra**, Canela, Rio Grande do Sul, Brazil.

**Organizers:** Instituto de Matematica, Univ. Federal do Rio Grande do Sul.

**Program:** This is a broad meeting including all areas of research in algebra, such as commutative and non-commutative algebra, ring and group theory, algebraic geometry, number theory, and representation theory. The planned activities include several minicourses, conference cycles, talks of 50 minutes and research communications of 20-25 minutes.

**Information:** Anyone interested in giving a communication at the conference should contact the coordinator of the Organizing Committee, M. Ferrero; e-mail: [algebra@mat.ufrgs.br](mailto:algebra@mat.ufrgs.br).

\* 29-August 7 **Frontiers of Combinatorics**, Los Alamos National Laboratory, Los Alamos, New Mexico.

**Description:** The objectives of the workshop are (1) to evaluate new combinatorial problems arising from the achievements and potentialities of molecular biology and (2) to discern profitable new developments of combinatorial theories. Topics

for discussion will include, for example, combinatorial designs, phylogenetic trees, categorical sequences and pertinent enumerations, classifications, and construction techniques.

**Application:** A preliminary version of a manuscript is due April 31, 1998.

**Organizer:** D. C. Torney, 505-667-9452, [dct@lanl.gov](mailto:dct@lanl.gov).

### August 1998

\* 7-10 **European Summer School: Markov Chain Monte Carlo Methods**, Rebild, Denmark.

**Topics:** An advanced course on MCMC: Probabilistic aspects of MCMC, Bayesian statistics and MCMC, complex models and MCMC, BUGS/graphical models, new advances/special topics, perfect simulation.

**Information:** <http://www.maths.nott.ac.uk/hsss/Workshops/summerschool.html>; or L. G. Nielsen, Aalborg University, Denmark; fax: +45-98-15-81-29; e-mail: [grubbe@math.auc.dk](mailto:grubbe@math.auc.dk).

\* 10-17 **The 4th International Conference on Theory of Groups (GROUP-KOREA 1998)**, Pusan National University, Pusan, Korea.

**Speakers:** B. Amberg (Mainz), Y. G. Baik (Pusan), L. Bokut (Novosibirsk), M. Bridson (Oxford), C. Campbell (St. Andrews), M. Dunwoody (Southampton), S. Gersten (Uta), F. Grunerwald (Duesseldorf), K. Gupta (Manitoba), N. Gupta (Manitoba), M. Herzog (Tel Aviv), J. Howie (Edinburgh), N. Ito (Meijo), G. Kim (Kyungsan), C. Maclachlan (Aberdeen), J. Mennicke (Bielefeld), A. Yu. O'lsanski (Moscow), C. Praeger (Nedlands), S. Pride (Glasgow), A. Rhemtull (Edmonton), D. Robinson (Urbana-Champaign), G. Rosenberger (Dortmund), J. Saxl (Cambridge), H. Sim (Pusan), J. Stallings (Berkeley), F. Tang (Waterloo), J. Wilson (Birmingham), M. Xu (Beijing), E. Zernerov (Yale), H. Zieschang (Bochum), B. Zimmermann (Trieste), A. Zvi (Ramat-Ganm).

**Contacts:** A. Kim, Organizing Committee, Groups-Korea 1998, Dept. of Mathematics, Pusan National Univ., Pusan 609-735, Korea; tel: 051-510-2200; fax: 051-581-1458; e-mail: [ackim@arirang.pusan.ac.kr](mailto:ackim@arirang.pusan.ac.kr); S. Pride, e-mail: [sjp@maths.gla.ac.uk](mailto:sjp@maths.gla.ac.uk); D. Johnson, e-mail: [d1j@maths.nott.ac.uk](mailto:d1j@maths.nott.ac.uk).

**Information:** For more information about the program, registration, submission of abstracts, hotels, etc., visit the conference home page at <http://arirang.math.pusan.ac.kr/>.

\* 15-23 **International Workshop on Non-linear and Improperly Posed Problems**, Kocaeli, Turkey.

**Organizing Institutions:** Russian Academy of Science, Institute of Mathematical Modelling, Russia; Moscow State University, Russia; University of Nebraska, Lincoln, Nebraska; Colorado State University, Fort Collins, Colorado; University of Ko-

caeli, Izmit, Turkey; Isik University, Maslak-Istanbul, Turkey.

**Focus:** The aim of the workshop is to discuss new classes of nonlinear and ill-posed problems arising from engineering and technology. These involve new nonlinear equations of mathematical physics, nonclassical boundary conditions, and new inverse and improperly posed problems. Both analysis and computational methods for these problems will be considered.

**Abstracts:** A 600-word abstract should be sent to one of the following: N. Ardelyan, Dept. of Computational Mathematics and Cybernetics, Moscow St. Univ., Leninskie, Gori, Moscow, Russia, [ardel@cs.msu.su](mailto:ardel@cs.msu.su); S. Cohn, Dept. of Math. and Stat., Univ. of Nebraska, 834 Oldfather Hall, Lincoln, NE 68588-0323, [scohn@math.unl.edu](mailto:scohn@math.unl.edu); P. DuChateau, Dept. of Math., Colorado State Univ., Fort Collins, CO 80523-0001, [pauld@lagrange.math.colostate.edu](mailto:pauld@lagrange.math.colostate.edu); A. Hasanov, Applied Mathematical Sciences Research Center, Kocaeli Univ., Atatürk Bulvarı, 41300, Izmit, Turkey, [kcluniv2@turnet.net.tr](mailto:kcluniv2@turnet.net.tr); M. Idemen, Isik Univ., Buyukdere caddesi, 80670 Maslak-Istanbul, Turkey, [idemen@ISIKUN.edu.tr](mailto:idemen@ISIKUN.edu.tr); W. Rundell, Dept. of Mathematics, Texas A&M Univ., College Station, TX 77843-3368, [rundell@math.tamu.edu](mailto:rundell@math.tamu.edu); A. A. Samarskii, Chair of Organizing Committee, Russian Academy of Science, Institute of Mathematical Modelling, Russia; T. Shores, Dept. of Math. and Stat., Univ. of Nebraska, 834 Oldfather Hall, Lincoln, NE 68588-0323, [tshores@math.unl.edu](mailto:tshores@math.unl.edu).

\* 24-29 **Fields Institute Workshop on Mathematical Physics of Polymers and Percolation**, The Fields Institute for Research in Mathematical Sciences, Toronto, Ontario, Canada.

**Scientific and Organizing Committee:** J. Cardy (Univ. of Oxford), F. den Hollander (Univ. of Nijmegen), G. Slade (McMaster Univ.), S. Whittington (Univ. of Toronto).

**Invited Speakers:** M. Aizenman (Princeton Univ.), M. Batchelor (Australian National Univ.), M. Bousquet-Melou (Univ. Bordeaux 1), J. Cardy (Oxford Univ.), J. T. Chayes (Microsoft Research and UCLA), A. J. Guttmann (Univ. of Melbourne), F. den Hollander (Univ. of Nijmegen), E. J. Janse van Rensburg (York Univ.), G. Lawler (Duke Univ.), A. Owczarek (Univ. of Melbourne), A. Pisztora (Carnegie Mellon Univ.), Y. Saint-Aubin (CRM, Univ. de Montreal), H. Saleur (Univ. of Southern California), G. Slade (McMaster Univ.), T. Spencer (Institute for Advanced Study), S. G. Whittington (Univ. of Toronto). Each speaker will give two lectures. Details regarding registration and accommodations will appear in a future announcement.

**Funding:** There are limited funds available to assist attendance of graduate students and postdocs. Please contact [s1ade@mcmaster.ca](mailto:s1ade@mcmaster.ca) for further information.

**Organizers:** The workshop is being organized in connection with The Fields Institute program in Probability and Its Applications,

August 1998 - June 1999, and has been endorsed by the International Association of Mathematical Physicists.

**Information:** See the program Web site <http://www.math.yorku.ca/ProbabilityFields.html> or write to: The Fields Institute for Research in Mathematical Sciences, 222 College Street, Second Floor, Toronto, Ontario, M5T 3J1, Canada; tel: 416-348-9710; fax: 416-348-9385; e-mail: [probability@fields.utoronto.ca](mailto:probability@fields.utoronto.ca).

### September 1998

\* 2-5 **1998 Conference on Computational Physics (CCP 1998)**, Granada, Spain.

**Program:** The CCP 1998, to be held at the Exhibition and Conference Centre in Granada, initiates a new series that continues the tradition of both the APS-EPS Physics Computing conferences (Boston 1989, Amsterdam 1990, San José 1991, Prague 1992, Albuquerque 1993, Lugano 1994, Pittsburgh 1995, Krakow 1996, Santa Cruz 1997), and the Asian ICCP conferences (Beijing 1988 and 1993, Taiwan 1995, and Singapore 1997), some of which have also been supported by the IUPAP. The CCP 1998 is planned to cover ALL fields of computational physics and, in particular, modelling collective phenomena in complex systems, including biology, chemistry, economy, environmental sciences, geology and sociology. A principal aim is to favor contacts and the exchange of ideas and methods between these different fields of science. Therefore, the final program will consist of invited lectures and other contributions on computer-aided simulation and modelling and their applications. In addition to invited lectures and oral and poster contributions, we are planning industrial and commercial exhibits and technical presentations, e.g., educational and scientific software, computers and workstations, and emerging technologies concerning computing and networking. Science is expected to meet computation at the CCP 1998! A social program and postconference tours will be offered.

**Sponsor:** The European Physical Society, the International Union of Pure and Applied Physics, and the American Physical Society.

**Organizers:** EPS Computational Physics Board and the Institute Carlos I for Theoretical and Computational Physics of the University of Granada.

**Call for Papers:** A camera-ready one-page abstract, including title, author name(s), affiliation(s) and address(es), should be submitted no later than May 1, 1998, either by airmail or preferably by e-mail using L<sup>A</sup>T<sub>E</sub>X format. Further instructions are available at <http://dalila.ugr.es/~ccp1998/> or by mail or e-mail (see addresses below) upon request. Contributions accepted will be allocated either short oral or poster presentations. All accepted abstracts are planned to appear in a pre-conference book. It is likely that conference proceedings including selected contributions will be published.

**Information:** Conference on Computational Physics-CCP 1998, c/o J. Marro, Instituto Carlos I, Facultad de Ciencias, Universidad de Granada, E-18071 Granada, Spain; e-mail: [ccp1998@goliat.ugr.es](mailto:ccp1998@goliat.ugr.es); telefax: +34-58-242-862 and 246-387; tel: -242-860; URL: <http://dalila.ugr.es/~ccp1998/> and <http://www.ugr.es/ccp1998/>. Updated information may also be obtained by sending an e-mail message with any subject and no content (nobody will read it) to the address: [info\\_ccp@landau.ugr.es](mailto:info_ccp@landau.ugr.es).

\* 17-20 **The Third Annual Conference on Research in Undergraduate Mathematics Education**, Century Center, South Bend, Indiana.

**Focus:** This conference is a forum for researchers in collegiate mathematics education and includes the following themes: results of current research, contemporary theoretical perspectives and research paradigms, application of learning theory to teaching practice, technology in mathematics learning, and general issues in the psychology of mathematics education as it pertains to the study of undergraduate mathematics. The program will include plenary addresses, invited speakers, panel discussions, and contributed paper sessions.

**Call for Proposals:** One-page proposals for papers should be submitted via e-mail by May 1 to: G. Tolia, [tolia@calumet.purdue.edu](mailto:tolia@calumet.purdue.edu).

**Conference Chairpersons:** G. Tolia (Purdue Univ., Calumet); A. Brown (Indiana Univ., South Bend).

**Co-Organizers:** J. Clark, E. Dubinsky, J. Kleiman, D. Mathews, M. McDonald, and D. Vidakovic.

**Sponsor:** Exxon Education Foundation.

**Hosts:** Indiana University, South Bend; Southwestern Michigan College.

**Conference WWW Page:** <http://galois.oxy.edu/mickey/rume98.html>.

### October 1998

\* 2-4 **Midwest Conference on the History of Mathematics (with a special session on History of Logic)**, Iowa State University, Ames, Iowa.

**Organizing Committee:** I. Anellis, D. Cameron, D. Kullman, J. Murdock, and J. D. Wine.

**Purpose:** The purpose of this conference is to encourage study of the history of mathematics at all levels and for all purposes. You are welcome to submit a paper whether you are a historian, a mathematician with an interest in the history of your field, or a teacher interested in the use of history of mathematics in the classroom. Possible topics include mathematical biography, history of a topic in mathematics or logic, and the use of history in teaching mathematics. Contributed papers may be 25 minutes or 50 minutes. Abstracts may be submitted, by January if possible,

through the Web page (below), by e-mail to [jmurdock@iastate.edu](mailto:jmurdock@iastate.edu), or to J. Murdock, Mathematics Department, Iowa State University, Ames, IA 50011.

**Information:** See <http://www.math.iastate.edu/jmurdock/conference.html>, or write or send e-mail to the addresses given above.

\* 5-10 **Fields Institute Workshop on Hydrodynamic Limits**, The Fields Institute for Research in Mathematical Sciences, Toronto, Ontario, Canada.

**Organizing Committee:** S. Feng (McMaster Univ.), A. Lawnczak (Univ. of Guelph), S. R. S. Varadhan (Courant Institute).

**Invited Speakers:** B. Boghosian (Boston Univ.), A. De Masi (Univ. di L'Aquila), T. Funaki (Univ. of Tokyo), J. Lebowitz (Rutgers Univ.), D. Levermore (Univ. of Arizona), J. Quastel (Univ. of Toronto), F. Rezakhanlou (Univ. of California, Berkeley), T. Sepalaian (Iowa State Univ.), H. Spohn (Ludwig Maximilians Univ.), H. T. Yau (Courant Institute). Poster and discussion sessions are planned. Details regarding these sessions, registration, and accommodations will appear in a future announcement.

**Information:** See the program Web site <http://www.math.yorku.ca/ProbabilityFields.html> or write to: The Fields Institute for Research in Mathematical Sciences, 222 College Street, Second Floor, Toronto, Ontario, M5T 3J1, Canada; tel: 416-348-9710; fax: 416-348-9385; e-mail: [probability@fields.utoronto.ca](mailto:probability@fields.utoronto.ca).

\* 25-29 **Fields Institute Workshop on Monte Carlo Methods**, The Fields Institute for Research in Mathematical Sciences, Toronto, Ontario, Canada.

**Organizing Committee:** N. Madras (York Univ.), R. Neal (Univ. of Toronto), J. Rosenthal (Univ. of Toronto).

**Invited Speakers:** B. Berg (Florida State Univ.), D. M. Ceperley (Univ. of Illinois), J. A. Fill (Johns Hopkins Univ.), D. Frenkel (FOM Institute, The Netherlands), P. Green (Univ. of Bristol), K. Jansen (CERN), A. D. Kennedy (Florida State Univ.), X.-L. Meng (Univ. of Chicago), J. Moller (Aalborg Univ.), D. Murdoch (Queen's Univ.), G. O. Roberts (Cambridge Univ.), A. Sinclair (Univ. of California, Berkeley), A. D. Sokal (New York Univ.), S. G. Whittington (Univ. of Toronto), D. B. Wilson (Institute for Advanced Study).

**Focus:** The focus of the workshop will be on Monte Carlo methods (mostly Markov chain methods) that have been used effectively in statistical physics and/or statistics and which are based on ideas that seem to be widely applicable. Speakers have backgrounds in physics, statistics, and probability, and the program is intended to promote discussion across these disciplines. The emphasis will be on new methods, practical applications, and analysis of methods.

**Information:** Details regarding registration and accommodations will appear in a future announcement. For further information about the workshop and the program,

please see the program Web site <http://www.math.yorku.ca/Probability/Fields.html> or write to: The Fields Institute for Research in Mathematical Sciences, 222 College Street, Second Floor, Toronto, Ontario, M5T 3J1, Canada; tel: 416-348-9710; fax: 416-348-9385; e-mail: [probability@fields.utoronto.ca](mailto:probability@fields.utoronto.ca).

### December 1998

---

- \* 14–18 **First International Conference on Semigroups of Operators, Theory and Applications**, Marriott Hotel, Newport Beach, California.

**Purpose:** As indicated in the title, the conference will deal with both the abstract theory of semigroups of operators as well as applications; the latter can include relevant branches of science and engineering: for example, control engineering (structures, aeroelasticity) and mathematical physics, in addition to areas within mathematics, such as PDE and stochastic processes.

**International Program Committee:** W. Arendt (Germany), A. V. Balakrishnan (USA), C. J. K. Batty (UK), R. Datko (USA), H. Komatsu (Japan), C. S. Kubrusly (Brazil), I. Lasiecka (USA), G. Lumer (Belgium), Yu. Lyubich (Israel), J. Mazon (Spain), A. McIntosh (Australia), R. Nagel (Germany), S. Y. Shaw (Taiwan), B. Simon (USA), Q. P. Vu (USA, chairman).

**Abstracts:** Please submit title and a 200-word abstract to: Q. P. Vu, Dept. of Mathematics, 321 Morton Hall, Ohio University, Athens, OH 45701-2979; e-mail: [qvu@bing.math.ohiou.edu](mailto:qvu@bing.math.ohiou.edu), before June 14, 1998.

- \* 15–18 **International Conference on Non-linear Programming and Variational Inequalities**, Hong Kong

**Objective:** The conference aims to review and discuss recent advances and promising research trends in some areas of nonlinear programming and variational inequalities.

**Topics:** Nonlinear complementarity problems, variational inequality problems, non-smooth optimization problems, minimax problems, multilevel optimization problems, structured optimization problems, quadratic and nonquadratic methods.

**Information:** e-mail: [maopt@cityu.edu.hk](mailto:maopt@cityu.edu.hk); <http://www.cityu.edu.hk/ma/>.

---

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.

### July 2000

---

- \* 19–26 **The Third World Congress of Non-linear Analysts (WCNA-2000)**, Catania, Italy.

**Focus:** The scientific program will consist of several invited lectures, organized sessions, and symposia covering recent trends in nonlinear problems (by academic, industrial, and government experts) arising

in such diverse disciplines as: aerospace sciences, atmospheric sciences, biological sciences, chemical sciences, cosmological sciences, economics, engineering & technological sciences, environmental sciences, geophysical sciences, medical & health sciences, numerical & computational sciences, oceanographic sciences, physical sciences, social sciences, and mathematical sciences.

There will be opportunities to present short communications, organize informal seminars, and propose special sessions. All accepted articles will be published in the proceedings of the WCNA-2000 should room permit. More details concerning travel facilities, social events, preregistration, accommodations, submission of abstracts, scientific program, and invited lectures will be provided in the second announcement, which will be sent to all interested parties after December 1998.

**Information:** Write to: WCNA-2000, Florida Institute of Technology, Applied Mathematics Program, Melbourne, FL 32901; e-mail: [dkermani@winnie.fit.edu](mailto:dkermani@winnie.fit.edu); or fax: 407-674-7412.