

Mathematics Calendar

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

August 2000

* 21-30 Conference and Ukrainian-U.S. Workshop "Dynamical Systems and Ergodic Theory", Katsiveli, Crimea, Ukraine.

Organizers: Institute of Mathematics and Institute for Low Temperature Physics and Engineering of the National Academy of Sciences of Ukraine together with Institut de Mathématiques de Luminy and Université de Tours, France, and will be partially sponsored by the INTAS OPEN-97 grant 1843 and INTAS Monitoring Conference Grants, Centre National de la Recherche Scientifique (CNRS, France), Ministry of Sciences and Technologies of Ukraine, Center for Dynamical Systems at Penn State University (U.S.), European Science Foundation - PROLYN, European Mathematical Society, CRDF Ukrainian - U.S. Scientific Workshop Grants (a joint program with the National Science Foundation (U.S.)).

Dedicated: To the memory of Vladimir Mikhailovich Alexeyev (1932-1980).

Minicourses: V. Bergelson (Ohio State Univ.), Anatole Katok (Pennsylvania State Univ.), P. Le Calvez (Univ. Paris 13, France), J.-P. Thouvenot (Univ. Paris 6, France), S. van Strien (Univ. of Warwick, UK), B. Weiss (Hebrew Univ. of Jerusalem, Israel).

Program: The program of the meeting will include: short speeches/recollections of Anatole Katok, Alexander Sharkovsky and Anatole Stepin, minicourses, 50-minute lectures, and 30-minute talks.

Information: S. Kolyada, Dept. of Dynamical Systems Theory, Inst. of Math., National Acad. of Sciences of Ukraine, Tereshchenkiv'ska, 3, 252601, Kiev, Ukraine; phone: (+380)-44-2243036; fax: (+380)-44-2352010; e-mail: kats2000@imath.kiev.ua; Web site: <http://www.imath.kiev.ua/~skolyada/kats2000.html>.

September 2000

* 1-4 Constantin Caratheodory in His...Origins, Vissa Orestia, Greece.

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

Greece.

Invited Lecturers: R. Bulirsch, Technische Univ. München, Germany; H. M. Srivastava, Univ. of Victoria, Canada; O. Smolyanov, Moscow Univ., Russia; E. Wegert, TU Bergakademie Freiberg, Germany.

Information: T. Vougiouklis, Democritus Univ. of Thrace, 68 100 N. Chili, Alexandroupolis, Greece; tel. +30-551-39348; e-mail: vougiouklis@xanthi.cc.duth.gr and vougiou@edu.duth.gr; fax: +30-551-40040 and +30-551-39348.

* 3-11 Fifth International Workshop on Complex Structures and Vector Fields, St. Constantine resort (near Varna), Bulgaria.

Organizing Committee: S. Dimiev (chairman, Sofia, Bulgaria), S. Manoff (Sofia, Bulgaria), K. Sekigawa (Niigata, Japan), H. Hashimoto (Saitama, Japan).

Program: 45-minute plenary lectures delivered by invited speakers and 30-minute communications are planned. The following seminars are also planned: (1) Seminar on Complex Analysis and Potential Theory, (2) Seminar on Differential Geometry, (3) Seminar on Mathematical Physics.

Information: Fifth International Workshop on Complex Structures and Vector Fields, Institute of Mathematics of the Bulgarian Academy of Sciences, Acad. G. Bonchev str. Bl. 8, 1113 Sofia, Bulgaria; S. Dimiev, e-mail: sdimiev@math.bas.bg; S. Manoff, e-mail: smanov@inrne.bas.bg.

* 10-16 Finiteness Conditions in Group Theory, dedicated to the memory of Richard E. Phillips, Crotone, Italy.

Program: The aim of this school is to give an overview of some of the latest developments in some areas of group theory in which finiteness conditions play a prominent role. There will be five series of lectures given by J. I. Hall (Michigan State Univ.-East Lansing); Locally finite simple groups; F. Leinen (Univ. of Newcastle

should be sent to the Editor of the *Notices* in care of the American Mathematical Society in Providence or electronically to notices@ams.org or mathcal@ams.org.

In order to allow participants to arrange their travel plans, organizers of meetings are urged to submit information for these listings early enough to allow them to appear in more than one issue of the *Notices* prior to the meeting in question. To achieve this, listings should be received in Providence **six months** prior to the scheduled date of the meeting.

The complete listing of the Mathematics Calendar will be published only in the September issue of the *Notices*. The March, June, and December issues will include, along with new announcements, references to any previously announced meetings and conferences occurring within the twelve-month period following the month of those issues. New information about meetings and conferences that will occur later than the twelve-month period will be announced once in full and will not be repeated until the date of the conference or meeting falls within the twelve-month period.

The Mathematics Calendar, as well as Meetings and Conferences of the AMS, is now available electronically through e-MATH on the World Wide Web. To access e-MATH, use the URL: <http://e-math.ams.org/> (or <http://www.ams.org/>). (For those with VT100-type terminals or for those without WWW browsing software, connect to e-MATH via Telnet (telnet e-math.ams.org; login and password e-math) and use the Lynx option from the main menu.)

Newcastle, UK): Finitary groups; D. J. S. Robinson (Univ. of Illinois - Urbana): Soluble groups of finite rank; P. Shumyatsky (Univ. of Brasilia - Brasilia, Brazil): Periodic residually finite groups; and M. J. Tomkinson (Univ. of Glasgow - Glasgow, UK): FC-groups.

Accommodations: Accommodations are limited. For this reason people interested in attending the school should contact the organizers as soon as possible at the following address: infinite@matna2.dma.unina.it. The cost of full-board accommodation is 70.000 Italian lire per day/per person. Further information will soon be available at the school's home page, whose URL is <http://www.science.unitn.it/~puglisi/index.html>.

* 21-24 **First SIAM Conference on Computational Science and Engineering**, Washington, DC.

Information: SIAM Conference Coordinator, 3600 University City Science Center, Philadelphia, PA 19104-2688; phone 215-382-9800; fax: 215-386-7999; e-mail: meetings@siam.org.

* 23-24 **Mathematical Finance Day '2000 and Practitioners' Workshop on Computational Finance**, Boston University Law Auditorium.

Program: Mathematical Finance Day (Sept. 24) will be preceded by a Practitioners' Workshop on Computational Finance on Sept. 23, 2000.

Speakers: For Mathematical Finance Day '2000: M. Avellaneda, J. Cvitanic, D. Kramkov, G. Papanicolaou, W. Schachermayer, N. Touzi, H. Wang; For the Practitioners' Workshop on Computational Finance: A. Lewis, R. R. Reitano.

Information: Boston University Law Auditorium is located at 765 Commonwealth Avenue, Boston, MA 02215. For further information see the Web site <http://www.bu.edu/mfd/>.

* 24-27 **DIMACS Workshop on Sublinear Algorithms**, Nassau Inn, Princeton, New Jersey.

Sponsor: Dimacs Center.

Organizers: S. Goldwasser, MIT; P. Raghavan, Verity; R. Rubinfeld, NEC Research Institute; M. Strauss, AT&T Labs - Research.

Short Description: Recent advances in computing power and the trend toward interconnecting computers has resulted in an increase in the size of data sets that are considered useful; therefore, this demands that we revisit traditional notions of efficient algorithms. This workshop will bring together researchers from several communities, including: combinatorial property testing, streaming algorithms, randomized algorithms and learning theory. By bringing researchers together that have had experience with massive data sets that occur in diverse domains such as the Web and databases, we hope to advance participants' research by establishing common issues.

Local Arrangements: S. Barbu, Princeton Univ., barbu@cs.princeton.edu, 609-609-1771.

Information: M. Strauss, AT&T Labs - Research, mstrauss@research.att.com; or <http://dimacs.rutgers.edu/Workshops/index.html>.

* 29-October 2 **IX Oporto Meeting on Geometry, Topology, and Physics**, Universidade do Porto, Portugal.

Description: The aim of the Oporto meetings is to bring together mathematicians and physicists interested in the interrelation between geometry, topology, and physics and to provide them with a pleasant and informal environment for scientific interchange. The meeting will consist largely of short courses of approximately three lectures each given by the main speakers, supplemented by a limited number of seminars. The talks are at the advanced graduate or postdoctoral level and should be of interest to all researchers wishing to learn about recent developments in the overlap between geometry, topology, and physics.

Main Speakers: M. A. Akivis, V. V. Goldberg, J. Landsberg, D. Salamon, S. Salamon, R. W. Sharpe. (Professors Akivis and Goldberg will be giving a joint course of four lectures in total.)

Information and registration: See the Conference Web page <http://fisica.ist.utl.pt/~jmourao/om/omix/om00b.html>. Deadline for registration: July 30, 2000.

October 2000

* 1-5 **International Conference on Numerical Algorithms, dedicated to Claude Brezinski on the occasion of his 60th birthday**, Marrakesh, Morocco.

Program: An international conference to celebrate the 60th birthday of Claude Brezinski and the 10th anniversary of the journal *Numerical Algorithms* that he founded in 1991 and where contributed papers will be published. The themes of the conference will cover all aspects of numerical analysis, in particular those that are related to numerical algorithms.

Information and Registration: A Web site containing all the information about this conference can be found at <http://www-imp.univ-littoral.fr/~na2001/>. If interested in participating, please respond to this address: na2001@imp.univ-littoral.fr.

* 3-5 **International Symposium on Applications of Computer Algebra (ISACA'2000)**, Goa, India.

Information and Registration: Contact R. Akerkar, Convener, ISACA'2000, Technomathematics Research Foundation, Kolhapur 416001, India; e-mail: tmr@pn3.vsnl.net.in and URL: <http://tmr.homepage.com/isaca.html>.

* 3-8 **Swedish-Russian Conference on Combinatorics and Dynamics**, Royal Institute of Technology (KTH), Stockholm, Sweden.

Main Speakers: D. Anosov (Steklov Institute, Moscow) (to be confirmed), O. Häggström (Chalmers and Göteborg University), S. Janson (Uppsala University), K. Johansson (KTH, Stockholm), V. Kaimanovich (CNRS, France), S. Kerov (Steklov Institute, St.-Petersburg), A. Vershik (Steklov Institute, St.-Petersburg).

Focus: The conference is aimed mainly at young mathematicians from Sweden and Russia, but participants from other countries are also welcome. The emphasis will be on the interaction of combinatorics and dynamics and their relation to probability and mathematical physics. The lectures given by the main speakers will be complemented with shorter talks by younger participants and an open problems session.

Information: Further information can be found on the conference WWW page: <http://www.math.kth.se/~stas/sto2000/>. For questions about attendance and financial support (provided by the NFR), please contact the organizers: T. Smirnova-Nagnibeda, KTH, e-mail: tatiana@math.kth.se; S. Smirnov, KTH, e-mail: stas@math.kth.se, fax: 46-8-7231788.

* 7-9 **Midwest Several Complex Variables Meeting**, Purdue University, West Lafayette, Indiana.

Preliminary List of Speakers: S. Baouendi (Univ. of California, San Diego), J. Duval (Univ. Paul Sabatier, Toulouse), J. E. Fornæss (Univ. Michigan, Ann Arbor), B. Hall (Notre Dame Univ.), T. Ohsawa (Nagoya Univ.), Y. T. Siu (Harvard Univ.).

Organizers: L. Lempert, S. Kee Yeung.

Information: The meeting is partially supported by the Institute for Mathematics and its Applications and by Purdue University. There is no registration fee, and there will be money to support graduate students/junior researchers. For information, e-mail: lempert@math.purdue.edu.

* 12-14 **SIAM Northwest Regional Mathematics in Industry Workshop**, University of Washington, Seattle, Washington.

Organizer: A. Greenbaum, Univ. of Washington.

Information: SIAM Conference Coordinator, 3600 University City Science Center, Philadelphia, PA 19104-2688; phone: 215-382-9800; fax: 215-386-7999; e-mail: meetings@siam.org.

* 20-21 **20th Annual Southeastern-Atlantic Regional Conference on Differential Equations**, Virginia Tech, Blacksburg, Virginia.

Forum: The conference is an annual meeting which was envisioned by members of the Department of Mathematics at Virginia Tech and which began in 1981. Since then its location has rotated among the institutions in the Southeastern-Atlantic region.

Scope: The primary purpose of the conference is to provide an exchange of ideas and discussions about research and education

among established and new researchers and advanced graduate students in the field of differential equations, i.e., ordinary and partial differential equations and functional differential equations, and numerical techniques and their applications to biology, engineering, and physics.

Topics: The conference will consist of a series of three plenary one-hour lectures and sessions for contributed papers. Topics presented during these conferences have been diverse and have included ordinary and partial differential equations, integral and functional equations, numerical methods, and applications to the sciences and engineering.

Invited Speakers: J. Bona (Univ. of Texas, Austin), E. Carlen (Georgia Tech), J. Glimm (SUNY at Stony Brook).

Contributed Talks: There will be sessions of contributed talks. Deadline for submission of abstracts for contributed talks is September 29, 2000.

Financial Assistance: Contingent on NSF funding, some financial assistance may be available to offset travel and housing expenses for graduate students and recent Ph.D. recipients. Requests postmarked by September 18, 2000, are guaranteed consideration. Eligible persons who belong to currently underrepresented groups are especially encouraged to apply to the conference for financial assistance.

Information: Updated information can be obtained at the conference Web site: http://www.icam.vt.edu/SEARCDE_2000/ or by contacting: J. Borggaard, SEARCDE Coordinator, Dept. of Mathematics, Virginia Tech, Blacksburg, VA 24060; phone 540-231-3453; fax 540-231-7079; e-mail: jborggaard@vt.edu.

*22 **Computational Information Retrieval Workshop**, North Carolina State University, Raleigh, North Carolina.

Organizer: M. W. Berry, Univ. of Tennessee, Knoxville.

Information: SIAM Conference Coordinator, 3600 University City Science Center, Philadelphia, PA 19104-2688; phone: 215-382-9800; fax: 215-386-7999; e-mail: meetings@siam.org.

*23-26 **Sixth SIAM Conference on Applied Linear Algebra**, North Carolina State University, Raleigh, North Carolina.

Sponsor: SIAM Activity Group on Linear Algebra.

Organizers: C. Meyer and I. Ipsen, North Carolina State Univ.

Information: SIAM Conference Coordinator, 3600 University City Science Center, Philadelphia, PA 19104-2688; phone: 215-382-9800; fax: 215-386-7999; e-mail: meetings@siam.org.

*26-28 **The First Sino-Japan Optimization Meeting (SJOM2000)**, Hong Kong.

Information: See <http://www.polyu.edu.hk/~ama/events/conference/AMA-SJOM2000/fsjom2000.htm>.

*27-November 1 **Yosemite Symposium on Advanced Multiscale and Multiresolution Methods**, Yosemite National Park, California.

Sponsors: NSF, NASA, IBM, and SGL.

Topic: Many computationally challenging problems ubiquitous in science and engineering exhibit multiscale phenomena so that the prospect of numerically computing or even representing all scales of action is either very expensive or completely intractable. The Yosemite symposium is devoted to these problems with a focus on exciting new developments in this area.

Program: The three-day event will consist of several in-depth invited lectures from leading specialists, a small number of tutorial lectures, and contributed talks chosen from abstract submission.

Information: Complete instructions for abstract submission and student registration/travel support can be found at the Web site <http://raphael.mit.edu/yosemite/>. Or contact P. M. Lee, MIT 33-305, 77 Massachusetts Ave., Cambridge, MA 02139; pmllee@mit.edu.

November 2000

*27-December 3 **Workshop on Whitham Equations and Their Applications in Mathematics and Physics**, International School

for Advanced Studies (SISSA), Trieste, Italy.

Program: The workshop's aim is to foster the interaction between mathematicians and physicists dealing with various applications of nonlinear semiclassical approximations.

Workshop Topics: Whitham equations (1) in the theory of dispersive waves: variational principles and Hamiltonian formalism; (2) and differential and algebraic geometry; (3) in plasma physics; (4) in fiber optics; (5) in string theory.

Speakers: J. Bronski (Univ. Illinois at Urbana), L. Friedland (Hebrew Univ., Jerusalem), T. Grava (Univ. Maryland at College Park and Imperial College, London), R. Grimshaw (Loughborough Univ.), Y. Kodama (Ohio State Univ.), K. McLaughlin (Univ. Arizona, Tucson), A. Maltsev (SISSA, Trieste, and Univ. Maryland at College Park), P. Miller (Monash Univ.), A. Shagalov (Institute of Metal Physics at Ekaterinburg), N. Mazur* (Physics of Earth Inst., Moscow), F.-R. Tian (Ohio State Univ.), S. Venakides* (Duke Univ.), A. Zabrodin (ITEP, Moscow), K. Zybin (Lebedev Inst., Moscow). (*=to be confirmed)

Information: B. Dubrovin, Secretariat of Whitham2000, SISSA, Via Beirut 2-4, I-34013 Trieste, Italy; e-mail: whitham2000@fm.sissa.it. Deadline for applications: May 15, 2000.

December 2000

*4-8 **25th Australasian Conference on Combinatorial Mathematics and Combinatorial Computing**, University of Canterbury, Christchurch, New Zealand.

Organizers: C. Semple, c.semple@math.canterbury.ac.nz; M. Steel, m.steel@math.canterbury.ac.nz.

Information: The conference home page is <http://www.math.canterbury.ac.nz/accmcc.shtml>.

January 2001

*22-25 **First International Conference on Industrial and Applied Mathematics**, Amritsar, India.

Sponsors: Indian Society of Industrial and Applied Mathematics and Guru Nanak Dev University.

Speakers: Several distinguished mathematicians from the USA, Germany, France, and Canada have consented to participate.

Information: P. Manchanda (chairperson), Department of Mathematics, Guru Nanak Dev University, Amritsar, India; tel: 0091-183-422748 (res.); 0091-183-258802-09, ext. 3299 (off.); fax: 0091-183-258820; e-mail: kmanch@jla.vsnl.net.in.

March 2001

*9-11 **The Third International Meeting of Origami Science, Math, and Education**, Asilomar, Monterey, California.

Information: In 1989 and 1994 the first two meetings devoted to origami research and applications in math and science were held in Italy and Japan respectively. OrigamiUSA, a national not-for-profit organization devoted to paperfolding, is proud to sponsor the third such meeting.

Call for Papers: Deadline is September 1, 2000. Please send abstracts, 10-20 lines long, and any other supporting material to T. C. Hull, Dept. of Math., Merrimack College, North Andover, MA 01845; or e-mail: thull@merrimack.edu. Details on registration can be found on <http://web.merrimack.edu/~thull/osm/osm.html>.

June 2001

*8-10 **Joint Meeting of the Belgian and German Mathematical Societies 2001 BMS-DMV Meeting**, University of Liege, Belgium.

Program: The aim is to set up a conference with six plenary talks of 50 minutes and 10-12 Special Sessions. The following three speakers have already agreed to deliver plenary talks: I. Daubechies (Princeton, NJ, USA), C. Deninger (Münster, Germany), and P. Deuffhard (Berlin, Germany). The following six Special Sessions (and organizers) have already been fixed: Arithmetic Geometry (G. Cornelissen, A. Huber, K. Künnemann, W. Veys); Functional Analysis and Functional Analytic Methods in Partial Differential Equations (K. D. Bierstedt, P. Laubin, R. Meise, J. Schmets); Global

Analysis (J. Brüning, L. Lemaire); Optimization (M. Goemans, M. Grötschel, Ph. Toint, J. Zowe); Ordinary Differential Equations and Dynamic Systems (F. Dumortier, B. Fiedler, J. Mawhin, J. Scheurle); Representation Theory (D. Happel, C. Ringel, F. Van Oystaeyen, A. Verschoren).

Information: Information on the meeting can be found on the Webhome page <http://math-www.uni-paderborn.de/Liege2001/>.

Everybody interested in participating in the meeting is kindly asked to preregister by sending an e-mail to bmsdmv@upb.de, mentioning their name, institution, e-mail address, and 2001 BMS-DMV Meeting. All mathematicians who have preregistered this way for the meeting will automatically receive the second announcement of the meeting in October 2000.

*25–29 **Harmonic Morphisms and Harmonic Maps**, Centre International de Rencontres Mathématiques, Luminy, Marseille, France.

Description: The second international conference primarily dedicated to harmonic morphisms will be held at the Centre International de Rencontres Mathématiques in Luminy, France. Though centered on harmonic morphisms, neighbouring themes in harmonic maps will also be represented with lectures from leading experts. Since 1979 the harmonic morphism bibliography has grown to more than 170 publications, and the prominence of the subject continues to grow, providing rich interactions between harmonic maps, minimal surface theory, low dimensional topology, probability theory, and theoretical physics.

Organizing Committee: M. Ville (École Polytechnique), E. Loubeau (Brest), S. Montaldo (Cagliari).

Scientific Committee: J. Eells (Cambridge), L. Lemaire (Brussels), J. C. Wood (Leeds).

Information: For more on the CIRM see: <http://www.cirm.univ-mrs.fr/indexE.html>.

The southeastern city of Marseille is the second largest in France; further information on Marseille can be found at: <http://www.marseille.enprovence.com/musee/anglais/lieux.html>.

If you wish to attend the conference, please contact M. Ville at ville@math.polytechnique.fr. Web site: <http://beltrami.unica.it/harmor/>.

July 2001

*1–5 **Warthog Delta'01 Conference on Undergraduate Teaching of Mathematics—Third Southern Hemisphere Symposium on Undergraduate Mathematics Teaching**, Kruger Park, South Africa.

Organizers: Jointly organized by SAMERN, the African Mathematical Union, and the International DELTA Committee.

Keynote Speakers: A. Schoenfeld, M. Kowski.

Theme: Gearing for Flexibility.

Information: Web site: <http://science.up.ac.za/delta01/>.

*22–25 **International Symposium on Symbolic and Algebraic Computation (ISSAC 2001)**, University of Western Ontario, London, Ontario, Canada.

Description: ISSAC is the yearly premier international symposium in symbolic and algebraic computation. It provides an opportunity to learn of new developments and to present original research results in all areas of symbolic mathematical computation. Recent advances are communicated through its refereed conference proceedings (available at the conference), prestigious invited talks, tutorials, and other activities.

Conference Committee: General Chair: E. Kaltofen (North Carolina State Univ.); Program Committee Chair: G. Villard (IMAG, Grenoble, France); Local Arrangements Chair: G. Reid (Univ. of Western Ontario, London, Ontario, Canada).

Information: Please see the conference Web page: <http://www.orcca.on.ca/issac2001/>. Conference e-mail: issac2001@orcca.on.ca.