

Mathematics Calendar

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

December 1999

1–10 **First Southern African Summer School and Workshop on Logic, Universal Algebra, and Theoretical Computer Science (LUATCS'99)**, Rand Afrikaans University, Johannesburg, South Africa. (Oct. 1999, p. 1106)

2–4 **Computational and Mathematical Methods in Music**, Vienna, Austria. (June/July 1999, p. 712)

2–5 **The Future of Mathematical Communication 1999**, MSRI, Berkeley, California. (Oct. 1999, p. 1107)

3–4 **Perspectives in Applied Mathematics, Conference in Honor of Gilbert Strang**, MIT, Cambridge, MA. (Nov. 1999, p. 1286)

3–4 **Tenth Costa Rican Symposium on Mathematics, Sciences and Society: Paradigms and Methods in Mathematical Education**, Instituto Tecnológico de Costa Rica, Sede de Santa Clara, San Carlos, Costa Rica. (Sept. 1999, p. 978)

3–5 **Mathematical Economics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1999, p. 979)

6–8 **Spectral and Scattering Theory and its Related Topics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Nov. 1999, p. 1286)

6–9 **Microlocal Analysis and Related Topics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1999, p. 979)

8–10 **Workshop on Discrete Problems with Medical Applications**, DIMACS Center, Rutgers University, Piscataway, New Jersey. (Nov. 1999, p. 1286)

11–13 **CMS Winter 1999 Meeting**, Hôtel du Parc, Montréal (Québec), Canada. (Aug. 1999, p. 815)

13–17 **International Conference, 100 Years After Sophus Lie**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1999, p. 979)

13–18 **Second International Conference on Intersection Theory**, Dipartimento di Matematica, Università di Bologna, Italy. (Sept. 1999, p. 979)

20–22 **Analytical Approaches to Quantum Information and Their Related Fields**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1999, p. 979)

20–22 **Seventh IMA International Conference on Cryptography and Coding**, Royal Agricultural College, Cirencester, United Kingdom. (May 1999, p. 596)

20–23 **65th Annual Conference of Indian**

Mathematical Society, Awadhesh Pratap Singh University, Rewa, India. (Oct. 1999, p. 1107)

31–January 3 **Golden Jubilee International Conference on Mathematics (GJICM)**, Lucknow, India. (June/July 1999, p. 712)

January 2000

3–7 **Fifth International Conference on Difference Equations and Applications**, Univ. de la Frontera, Temuco, Chile. (June/July 1999, p. 712)

5–7 **Sixth International Symposium on Artificial Intelligence and Mathematics**, Fort Lauderdale, Florida. (Sept. 1999, p. 979)

* 5–9 **3rd Winterschool on Population Dynamics**, Woudschoten, The Netherlands.

Prpogram: The aim is to give Ph.D. students in population biology a good understanding of the way mathematics is applied to study problems in their field as well as a thorough background in relevant deterministic and stochastic mathematical techniques. Five lecturers will each give a series of 4 or 5 lectures. These lecture series start at an elementary level and connect to recent research topics towards the end. Basic techniques receive attention, and lecture notes accompany the presentation. Participants then form teams to study papers on the

This section contains announcements of meetings and conferences of interest to some segment of the mathematical public, including ad hoc, local, or regional meetings, and meetings and symposia devoted to specialized topics, as well as announcements of regularly scheduled meetings of national or international mathematical organizations. A complete list of meetings of the Society can be found on the last page of each issue.

An announcement will be published in the *Notices* if it contains a call for papers and specifies the place, date, subject (when applicable), and the speakers; a second announcement will be published only if there are changes or necessary additional information. Once an announcement has appeared, the event will be briefly noted in every third issue until it has been held and a reference will be given in parentheses to the month, year, and page of the issue in which the complete information appeared. Asterisks (*) mark those announcements containing new or revised information.

In general, announcements of meetings and conferences held in North America carry only the date, title of meeting, place of meeting, names of speakers (or sometimes a general statement on the program), deadlines for abstracts or contributed papers, and source of further information. Meetings held outside the North American area may carry more detailed information. In any case, if there is any application deadline with respect to participation in the meeting, this fact should be noted. All communications on meetings and conferences in the mathematical sciences

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

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

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

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

lecture topics. Teams report on their study findings at the end of the week.

Speakers: F. Adler (ecology and evolution), R. de Boer (immunology, virology), B. Koosman (dynamic energy budgets, ecotoxicology), R. Nisbet (stage structured populations, numerics and applications), H. Thieme (mathematics of physiologically structured population models).

Information: <http://come.to/winterschool2000>, or F. Kelpin, De Boelelaan 1087, 1081 HV Amsterdam, The Netherlands, fleur@bio.vu.nl.

6-7 Operator Inequality and Related Area, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1999, p. 979)

7-9 2nd Mediterranean Conference on Mathematics Education, Nicosia, Cyprus. (Oct. 1999, p. 1107)

10-14 MSRI Workshop on Combinatorial Algebra, MSRI, Berkeley, California. (June/July 1999, p. 713)

10-14 San Diego Symposium on Asymptotics and Applied Analysis, San Diego State University, San Diego, California. (Aug. 1999, p. 815)

15-19 (DATE CHANGE) IMA Workshop: Confinement and Remediation of Environmental Hazards, Institute for Mathematics and its Applications, University of Minnesota, Minneapolis, Minnesota. (Oct. 1999, p. 1107)

17-20 Finite Group Theory and Algebraic Combinatorics, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1999, p. 979)

17-21 International Conference on Mathematical Analysis and its Applications, 2000 (ICMAA2000), National Sun Yat-sen University, Kaohsiung 804, Taiwan, R.O.C. (Jan. 1999, p. 71)

17-22 Workshop on Computational Stochastics, University of Aarhus, Denmark. (June/July 1999, p. 713)

* **18-27 8th Workshop on Stochastic Analysis and Related Fields**, Eastern Mediterranean University (EMU), GaziMagusa, North Cyprus.

Program: The seminal lectures to be delivered include those by (tentative) P. Malliavin and D. W. Stroock. Lectures by some other distinguished speakers are also expected.

Organizers: U. Capar, A. S. Ustunel.
Information: <http://mozart.emu.edu.tr/workshop>.

19-22 Joint Mathematics Meeting, Sheraton Washington Hotel & Omni Shoreham Hotel, Washington, District of Columbia. (Sept. 1997, p. 1031)

21-22 1999-2000 ASL Winter Meeting, Washington, DC. (Jan. 1999, p. 72)

24-26 7th DIMACS Implementation Challenge: Semidefinite and Related Optimization Problems, DIMACS Center, Rutgers

University, Piscataway, New Jersey. (Sept. 1999, p. 979)

24-28 Algebraic Number Theory and Related Topics, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1999, p. 980)

26-30 IMA Workshop: Confinement and Remediation of Environmental Hazards, IMA, University of Minnesota, Minneapolis, Minnesota. (May 1999, p. 596)

31-February 2 Foundations of Computer Science, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan. (Sept. 1999, p. 980)

February 2000

7-11 MSRI Workshop on The Mathematics of Quantum Computation, MSRI, Berkeley, California. (June/July 1999, p. 713)

8-12 ANZIAM 2000, Copthorne Resort, Waitangi, New Zealand. (Sept. 1999, p. 980)

9-13 IMA Workshop: Resource Recovery, IMA, University of Minnesota, Minneapolis, Minnesota. (May 1999, p. 596)

14-25 MSRI Workshop on the Interactions between Algebraic Geometry and Noncommutative Algebra, MSRI, Berkeley, California. (June/July 1999, p. 713)

* **15-18 Workshop on Combinatorial and Computational Mathematics: Present and Future**, Pohang Univ. of Science and Technology (POSTECH), Pohang, South Korea.

Organizers: J. H. Kwak, Workshop Director (POSTECH), S. Hong (POSTECH), J. H. Kim (Microsoft), K. H. Kim (Ala. State Univ.), F. W. Roush (Ala. State Univ.).

Focus: This workshop will survey highlights of the current state of various areas of mathematics related to combinatorics and to computer science. Then talks and panel discussions will give prospects for the future and important open problems.

Confirmed Invited Speakers: J. Ewing (AMS), J. Guckenheimer (Cornell), J. H. Kim (Microsoft), K. H. Kim (Ala. State Univ.), A. Newell (Univ. of Warwick), A. Odlyzko (AT&T), F. Roberts (Rutgers and DIMACS).
Information: S. Hong, sungpyo@postech.ac.kr, K. H. Kim, kkim@asu.alasu.edu.

20-22 International Conference on Stochastic Optimization: Algorithms and Applications, University of Florida, Center for Applied Optimization, Gainesville, Florida. (Jan. 1999, p. 72)

25-26 XV SIDIM (Inter-university Mathematical Research Seminar), University of Puerto Rico, Mayaguez Campus, Mayaguez, Puerto Rico. (Sept. 1999, p. 980)

28-March 3 Eighth International Conference on Hyperbolic Problems, Otto-von-Guericke University, Magdeburg, Germany. (Sept. 1999, p. 980)

March 2000

* **2-4 Recent Progress in The Study of Harmonic Measure from a Geometric**

and an Analytic Point of View, University of Arkansas Continuing Education Center, Fayetteville, Arkansas.

Principal Lecturer: C. Kenig (Univ. of Chicago).

Other Invited Speakers: R. Brown (Kentucky), S. Hoffman (Missouri), J. Pipher (Brown), M. Safonov (Minnesota), Z. Shen (Kentucky), T. Toro (Washington), J. Verdera (Barcelona), Y. Yuan (Texas).

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 Kenig, followed by two or three talks by invited speakers or contributed papers.

Call for Papers: Contributed papers should be submitted before Feb. 1, 2000.

Funding: A proposal has been submitted to the National Science Foundation for funds to assist graduate students and young researchers with expenses. Particular efforts will be made to support women and minority participants.

Organizing Committee: L. Capogna, L. Lanzani, and I. Monroe, Dept. of Mathematical Sciences, SCEN 301, Univ. of Arkansas, Fayetteville, AR 72701, or e-mail: lcapogna@comp.uark.edu, lanzani@comp.uark.edu or imonroe@comp.uark.edu.

* **6-7 Data Processing on Web: A Look into the Future**, DIMACS Center, Rutgers University, Piscataway, New Jersey.

Organizers: M. Fernandez, AT&T Labs, Research, mff@research.att.com; S. Muthukrishnan, AT&T Labs, Research, muthu@research.att.com; D. Suci, AT&T Labs, Research, suciu@research.att.com.
Contacts: M. Fernandez, mff@att.research.com.

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

Short Description: Processing Web data poses new challenges for databases and information retrieval technologies. Despite these challenges, today we can search the entire Web, mine significant portions of it, integrate data from multiple Web data sources and query Web data. New technologies, such as those based on the XML standard are aimed at enterprise-wide Web applications and data integration. In this two-day data workshop, leading researchers at the forefront of database and Web research will give their visions of the future of data processing on the Web.

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

6-10 4th International Conference on Operations Research Optimization, Probability and Statistics, Mathematical Economics and Algorithms, Havana, Cuba. (Oct. 1999, p. 1107)

6-10 International Conference on Differential Geometry and Quantum Physics, TU Berlin, Germany. (Sept. 1999, p. 980)

6-17 **Homogenization and Effective Media Theories**, Mathematical Sciences Research Institute, Berkeley, California. (Sept. 1998, p. 1053)

13-17 **International Conference on Fundamental Sciences: Mathematics and Theoretical Physics**, Singapore, China. (Nov. 1999, p. 1286)

15-19 **IMA Workshop: Atmospheric Modeling**, IMA, University of Minnesota, Minneapolis, Minnesota. (May 1999, p. 596)

16-18 **Seminar on Stochastic Processes, 2000**, The University of Utah, Salt Lake City, Utah. (Feb. 1999, p. 278)

20-22 **DIMACS Workshop on Cryptography and Intractability**, DIMACS Center, Rutgers University, Piscataway, New Jersey. (Nov. 1999, p. 1286)

20-31 **Superconvergence in Finite Element Methods**, Mathematical Sciences Research Institute, Berkeley, California. (Sept. 1998, p. 1053)

27-31 **Quantum Groups**, Morelia, Mexico. (Oct. 1999, p. 1108)

April 2000

1-2 **AMS Eastern Section Meeting**, University of Massachusetts, Lowell, Massachusetts. (Nov. 1998, p. 1378)

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

7-9 **AMS Central Sectional Meeting**, University of Notre Dame, Notre Dame, Indiana. (Sept. 1997, p. 1031)

Information: W. Drady, e-mail: wsd@ams.org.

9-16 **The Klee-Grunbaum Festival of Geometry**, Ein Gev, Israel. (June/July 1999, p. 713)

11-14 **Harmonic Maps and Curvature Properties of Submanifolds, 2**, University of Leeds, England. (Sept. 1999, p. 981)

14-16 **AMS Southeastern Section Meeting**, University of Southwestern Louisiana, Lafayette, Louisiana. (Mar. 1999, p. 380)

Information: See the AMS Meetings & Conferences pages on e-MATH, or contact Donna Salter, dls@ams.org.

16-19 **FRACTAL 2000: "Complexity and Fractals in the Sciences", 6th International Multidisciplinary Conference**, Singapore. (May 1999, p. 596)

* 17-18 **Management of Digital Intellectual Property**, DIMACS Center, Rutgers University, Piscataway, New Jersey.

Organizers: J. Feigenbaum, AT&T Labs, Research, jf@research.att.com; D. Boneh, Stanford Univ., dabo@theory.stanford.edu; R. Venkatesan, Microsoft, venkie@microsoft.com.

Invited Speakers: P. Kocher, Cryptography Research; S. Haber, Intertrust; N. Shivakumar, Univ. of Washington; J. Callas, Kroll-Ogara.

Contacts: J. Feigenbaum, jf@research.att.com.

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

Short Description: DIMACS will sponsor a two-day series of technical talks and position statements on the design, development, and deployment of IP-management technology that strikes the right balance between the need to control copying and modification and the desire to foster innovative uses of digital works that have been enabled by computing and communication advances. Topics include: intellectual property protection, anti-piracy techniques, legal issues in the protection of digital rights, new business models for managing digital rights, passive content protection, active content protection, and hardware solutions to content protection.

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

17-28 **Elastic Shells: Modeling, Analysis and Numerics**, Mathematical Sciences Research Institute, Berkeley, California. (Sept. 1998, p. 1054)

25-May 6 **NATO Advanced Study Institute, Nonlinear Dynamics in Life and Social Sciences**, Moscow, Russia. (Nov. 1999, p. 1287)

May 2000

1-5 **IMA Workshop: Dispersive Corrections to Transport Equations**, IMA, University of Minnesota, Minneapolis, Minnesota. (May 1999, p. 596)

8-12 **Geometric and Topological Aspects of Group Theory**, MSRI, Berkeley, California. (Oct. 1999, p. 1108)

10-12 **ICNPAA-2000, Third International Conference on Nonlinear Problems in Aviation and Aerospace (Methods and Software)**, Daytona Beach, Florida. (June/July 1999, p. 714)

15-18 **Representation Theory and Computational Algebra**, University of Georgia, Athens, Georgia. (Nov. 1999, p. 1287)

* 15-19 **International Workshop and Conference in Mathematical Analysis and Applications**, Department of Mathematics, Chiangmai University, Thailand.

Program: Will consist of a workshop, May 15-17 (Topics: Wavelet analysis, Numerical methods for two-point boundary value problems, Some distributional multiplicative products) and the conference, May 18-19.

Information: P. Niamsup, e-mail: scipnmsp@chiangmai.ac.th.

17-20 **Trends in Approximation Theory, An International Symposium Celebrating the 60th Birthday of Larry L. Schumaker, held in conjunction with the 15th Annual Shanks Lecture**, Vanderbilt University, Nashville, Tennessee. (May 1999, p. 596)

18-19 **IMA Tutorial: Simulation of Transport in Transition Regimes**, IMA, University of Minnesota, Minneapolis, Minnesota. (May 1999, p. 597)

18-21 **Year 2000 International Conference on Dynamical Systems and Differential Equations**, Kennesaw State University, Kennesaw, Georgia. (June/July 1999, p. 714)

* 20-22 **Schloessmann Seminar on Mathematical Models in Biology, Chemistry, and Physics**, Bad Lausick, Germany.

Schloessmann Seminar: The Max Planck Society intends to promote interdisciplinary research in selected areas of the sciences. For this purpose a three-day seminar shall be organized every year in memory of Dr. Ernst Rudolf Schloessmann, a former supporting member of the Society, who died June 30th, 1993. Leading experts in the field are invited to present their views and young scientists are encouraged to make research proposals and present them as part of the seminar. The Schloessmann seminar 2000 will be focused on the crossroad between mathematics, biology, chemistry, and physics including the following topics: brain function, image processing, many-particle systems and materials, mathematical biology, quantum chemistry and molecular dynamics, quantum computers, quantum field theory, quantum gravitation and cosmology, scientific computing. Admission to the seminar will be limited and will be decided upon by the scientific committee.

Information: E. Zeidler, MPI für Mathematik in den Naturwissenschaften, Inselstrasse 22-26, D-04103 Leipzig, Germany; tel: (0341) 9959-612, fax: (0341) 9959-614, e-mail: Zeidler@mis.mpg.de. Deadline for applications and for submission of the expose: January 15th, 2000.

20-25 **Summer School on Stereology and Geometric Tomography**, Sandbjerg Manor, Denmark. (Sept. 1999, p. 981)

21-26 **Millennial Conference on Number Theory**, University of Illinois, Urbana, Illinois. (May 1999, p. 597)

22-26 **IMA Workshop: Simulation of Transport in Transition Regimes**, IMA, University of Minnesota, Minneapolis, Minnesota. (May 1999, p. 597)

23-27 **Summer Symposium in Real Analysis**, University of North Texas, Denton, Texas. (Sept. 1999, p. 981)

24-26 **Advances in Fluid Mechanics**, Montreal, Canada. (Aug. 1999, p. 815)

* 28-June 2 **Nonlinear Analysis 2000**—, Courant Institute, New York University, New York. (June/July 1999, p. 714)

Organizing Committee: Y. Guo (Brown Univ.), B. Jerrard (Univ. of Illinois), T. Kriecherbauer (Univ. Munchen, Germany), N. J. Mauter (Univ. Wien, Austria), M. Pugh (Univ. of Pennsylvania).

Focus: This conference is dedicated to the state of the art in nonlinear analysis and

its applications, with emphasis on partial and ordinary differential equations. Applications will include numerical analysis, optimal control, inverse problems, mathematical physics, dynamical systems, fluid dynamics, mathematical biology, mathematical finance, and other areas of applied mathematics.

Goal: Our goal is to bring together the rising generation of scientists from all over the world—to let them highlight a sample of their work, meet each other, and talk science. Senior scientists are welcome to attend, space permitting.

Presentations: All talks will be short presentations by promising junior scientists. There will be 60 to 70 presentations during the week. In addition there will be open discussion sessions and small working groups to discuss topics and approaches in more detail.

Information: C. Levine, e-mail: clevine@cims.nyu.edu; <http://www.cims.nyu.edu/math2k>.

29–June 9 **Foliation: Geometry and Dynamics Revisited**, Banach Center, Warsaw, Poland. (June/July 1999, p. 714; Nov. 1999, p. 1287)

June 2000

3–7 **1999–2000 ASL Annual Meeting**, University of Illinois at Urbana-Champaign, Illinois. (Jan. 1999, p. 72)

4–9 **Ninth Quadrennial International Conference on Graph Theory, Combinatorics, Algorithms, and Applications**, Western Michigan University, Kalamazoo, Michigan. (Oct. 1999, p. 1108)

* 5–9 **Advances in Convex Analysis and Global Optimization Honoring the Memory of C. Caratheodory (1873–1950)**, Pythagorion, Samos, Greece.

Organizers: N. Hadjisavvas (Univ. of the Aegean), D. Kandilakis (Univ. of the Aegean) and P. Pardalos (Univ. of Florida).

Host Institution: Department of Mathematics, Univ. of the Aegean.

Invited Speakers: F. Clarke, V. Demyanov, C. Floudas, F. Giannessi, L. Khachiyan, V. Klee, C. Lemarechal, T. Rockafellar, S. Robinson, J. B. Rosen, A. Rubinov, N. Z. Shor, S. Smale and H. Tuy.

Deadlines: Authors are invited to submit by e-mail extended abstracts of 1-2 pages written in LaTeX to Prof. P. Pardalos, pardalos@ufl.edu, by December 1, 1999. Notification of acceptance will be given by December 20, 1999. Deadline for early registration is March 31, 2000. Late registration can be made on site. Registration deadline for inclusion in the conference program is May 5, 2000.

Information: Conference Web site, <http://www.samos.aegean.gr/math/acago/> or by writing to T. Vigli-Papadaki, Dept. of Mathematics, Univ. of the Aegean, Karlovassi, Samos, Greece, or e-mail: acago@math.aegean.gr.

5–9 **IMA Workshop: Multiscale Models for Surface Evolution and Reacting Flows**, IMA, University of Minnesota, Minneapolis, Minnesota. (May 1999, p. 597)

12–15 **Integral Methods in Science and Engineering (IMSE2000)**, Banff Conference Centre, Banff, Alberta, Canada. (June/July 1999, p. 714)

12–17 **Third International Conference on Differential Equations and Applications (DIFFEQ'2000)**, St. Petersburg State Technical University, St. Petersburg, Russia. (Oct. 1999, p. 1108)

13–16 (NEW DATE) **First AMS-Scandinavian International Mathematics Meeting**, University of Odense, Odense, Denmark. (Mar. 1999, p. 381)

14–17 **International Workshop in Operator Theory and Its Applications (IWOTA 2000)**, Bordeaux Univ., Bordeaux, France. (Aug. 1999, p. 815)

* 16–17 **The Fourth Biennial Symposium on Mathematical Modeling in the Undergraduate Curriculum**, University of Wisconsin-La Crosse, Wisconsin.

Sponsors: The Mathematics Department of the University of Wisconsin-La Crosse is hosting this symposium to bring together mathematicians, scientists, and university educators for the purpose of sharing ideas, projects, and problems related to mathematical modeling in the undergraduate curriculum.

Organizers: R. Hoar and B. Riley.

Information: <http://perth.uwlax.edu/mathematics/conference/call.htm>. Contact the organizers at conference@math.uwlax.edu.

18–21 **MCS 2000 International Conference on Monte Carlo Simulation**, Monte Carlo, Monaco. (June/July 1999, p. 714)

22–24 **CUR 2000: Research in Undergraduate Education**, The College of Wooster, Wooster, Ohio. (Nov. 1999, p. 1287)

26–28 **Heat Transfer 2000, Advanced Computational Methods in Heat Transfer**, Madrid, Spain. (Nov. 1999, p. 1287)

* 26–28 **The 5th Workshop on Numerical Ranges and Numerical Radii**, Nafplio, Greece.

Workshop Topics: Matrix analysis, matrix polynomials, computation of numerical ranges and radii, applications in stability theory, perturbation theory and in discrete mathematics.

Deadlines: To confirm your participation at the workshop: January 1, 2000. To reserve your accommodation: March 1, 2000. To submit the title and abstract of your talk: April 1, 2000.

Information: <http://www.math.uregina.ca/~tsat/nr/nr.html>.

26–30 **Formal Power Series and Algebraic Combinatorics (FPSAC'00)**, Moscow State University, Moscow, Russia. (Sept. 1999, p. 981)

July 2000

2–15 **First Announcement: NATO Advanced Study Institute 20th Century Harmonic Analysis—a Celebration**, Il Ciocco Resort Hotel, Tuscany, Italy. (Nov. 1999, p. 1287)

3–7 **ALHAMBRA 2000**, Granada, Spain. (Oct. 1999, p. 1108)

3–7 **ANTS IV (Algorithmic Number Theory Symposium IV)**, Korteweg de Vries Institute for Mathematics, University of Amsterdam, The Netherlands. (Oct. 1998, p. 1230)

3–7 **Functional Analysis Valencia 2000**, Technical University of Valencia, Valencia, Spain. (Jan. 1999, p. 72)

3–7 **Sixth International Conference on p-Adic Analysis**, Ioannina, Greece. (June/July 1999, p. 715)

* 3–14 **SMS-NATO ASI: Approximation, Complex Analysis, and Potential Theory**, Université de Montréal, Canada.

Program: The main topics to be discussed in this summer school are: Complex and harmonic approximation, singularities, Martin boundary, harmonic and Jensen measures, Ahlfors' lemma and Bloch constant.

Invited Speakers: A. Ancona, N. Arakelian, D. H. Armitage, T. Bagby, M. Bonk, H. Chen, D. Drasin, J. Gardiner, P. M. Gauthier, A. Gonchar, T. Ransford, A. Stray.

Deadline for Application: Before February 21, 2000.

Information: G. David, Dep. mathématiques & statistique, Univ. Montreal, CP 6128-Centre-ville, Montreal H3C 3J7, Canada; tel. 514-343-6710, fax 514-343-5700, sms@dms.umontreal.ca, <http://www.dms.umontreal.ca/activite/sms>.

4–6 **Catop2000**, Department of Mathematics, University of Fribourg, Fribourg, Switzerland. (Oct. 1999, p. 1109)

5–7 **Scandinavian Workshop on Algorithm Theory**, Bergen, Norway. (Nov. 1999, p. 1287)

6–8 **The 6th Barcelona Logic Meeting**, Barcelona, Spain. (Nov. 1999, p. 1287)

9–15 **AGRAM Conference on Abelian Groups, Rings and Modules**, The University of Western Australia, Perth, Australia. (June/July 1999, p. 715)

9–28 **Workshop On Mathematical Models of Individual and Public Choice**, University of California, Irvine, California. (Oct. 1999, p. 1109)

* 16–August 5 **IAS/Park City Mathematics Institute**, Institute for Advanced Study, Princeton, New Jersey.

Topic: Computational Complexity Theory. **Organizers:** A. Wigderson, Institute for Advanced Study/Hebrew Univ.; S. Rudich, Carnegie Mellon Univ.

Participants: Undergraduate and graduate students, mathematics researchers, high school teachers of mathematics, under-

graduate mathematics faculty, mathematics education researchers.

Information: Applications available December 1999 and deadline February 15, 2000. <http://www.ias.edu/parkcity>; pcmi@math.ias.edu; 800-726-4427 or 609-734-8025.

17-21 **Ninth International Conference on Fibonacci Numbers and their Applications**, Luxembourg-City, Luxembourg. (Sept. 1999, p. 982)

17-22 **International Congress on Mathematical Physics**, Imperial College, London, United Kingdom. (Nov. 1998, p. 1378)

17-22 **I Colloquium on Lie Theory and Applications**, E.T.S.I. Telecomunicaciones, Vigo, Spain. (June/July 1999, p. 715)

19-26 **The Third World Congress of Non-linear Analysts (WCNA-2000)**, Catania, Italy. (Feb. 1998, p. 296)

21-31 **2000 ASL European Summer Meeting (Logic Colloquium 2000)**, Paris, France. (Oct. 1998, p. 1230)

* 28-30 **The Third Annual Conference of Bridges: Mathematical Connections in Art, Music, and Science**, Southwestern College, Winfield, Kansas.

Suggested Topics: Fractals, math and music, tessellation, geometry in quilting, M. C. Escher's work, symmetry in language arts, Origami mathematics and architecture, computer-generated art, math and art in culture, art in hyperbolic geometry.

Information: <http://www.sckans.edu/~bridges/>, or contact R. Sarhangi, Bridges, Southwestern College, 100 College Street, Winfield, KS, 67156; e-mail: sarhangi@sckans.edu, 316-221-8373.

31-August 3 **Third Conference of Balkan Society of Geometers**, Univ. Politehnica of Bucharest, Bucharest, Romania. (June/July 1999, p. 715)

31-August 5 **KNOTS 2000, KAIST**, Yongpyong Resort, Kangwon-do, Korea (South of). (Nov. 1999, p. 1288)

August 2000

August-December **MSRI Program in Algorithmic Number Theory**, Mathematical Sciences Research Institute, Berkeley, California. (Sept. 1998, p. 1054)

August-May **MSRI Program in Operator Algebras**, Mathematical Sciences Research Institute, Berkeley, California. (Sept. 1998, p. 1054)

* 2-18 **Rings, Modules and Representations - Constanta 2000**, Ovidius University, Constanta, Romania

Program: A workshop: "Algebra - Representation Theory", Advanced Study Institute (NATO ASI) from Wednesday, August 2 to Saturday, August 12; Parallel: "Flemish Mornings", Flemish Government Project from Wednesday, August 2 to Saturday, August 5; A Euroconference: "Rings, Modules

and Representations - Constanta 2000" from Monday, August 14 to Friday, August 18.

Organizers: K. W. Roggenkamp (Stuttgart, Germany); L. Marki (Budapest, Hungary); F. van Oysteaeyen (Antwerp, Belgium); M. Stefanescu (Constanta, Romania).

Speakers: Main speakers of the conference are: H. Andersen, Univ. of Aarhus, Denmark, M. Artin, MIT, M. van den Bergh, Univ. of Limburg, Belgium J. Carlson, Univ. of Georgia, A. Kemer, Moscow State Univ., S. Montgomery, Univ. of Southern California, C. Procesi, Univ. of Rome, I. Reiten, Univ. of Trondheim, J. Rickard, Univ. of Bristol, T. Stafford, Univ. of Michigan, E. Zelmanov, Yale Univ.

Information: For further information please visit our Web site at <http://web.mathematik.uni-stuttgart.de/~ovid>.

7-12 **Mathematical Challenges of the 21st Century**, UCLA, Los Angeles, California. (Mar. 1999, p. 381)

7-12 **Nevanlinna Colloquium**, University of Helsinki, Helsinki, Finland. (May 1998, p. 642)

21-25 **16th IMACS World Congress (IMACS Congress 2000)**, Lausanne, Switzerland. (Oct. 1999, p. 1109)

22-24 **The Fifth Iranian Statistics Conference**, Isfahan University of Technology, Isfahan, Iran. (June/July 1999, p. 715)

September 2000

11-15 **IWOTA-Portugal 2000**, Faro, Portugal. (Sept. 1999, p. 982)

12-15 **International Workshop on Operator Theory and Applications (IWOTA)**, Faro, Portugal. (Oct. 1999, p. 1109)

18-22 **International Data Analysis Conference**, Innsbruck, Austria. (Mar. 99, p. 381)

18-23 **International Congress on Differential Geometry, in Memory of Alfred Gray (1939-1998)**, Bilbao, Spain. (Sept. 1999, p. 982)

19-22 **SCAN 2000: 9th GAMM - IMACS International Symposium on Scientific Computing, Computer Arithmetic, and Validated Numerics**, University of Karlsruhe, Karlsruhe, Germany. (Nov. 1999, p. 1288)

22-24 **AMS Central Section Meeting**, University of Toronto, Toronto, Ontario, Canada. (Nov. 1998, p. 1378)

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

October 2000

* 23-25 **Third International Conference on Applied Mathematics and Engineering Sciences**, Ecole Hassania des Travaux Publics, Casablanca, Morocco.

Information: <http://www.cimasi.org.ma/>.

* 23-27 **Third Asian Mathematical Conference (AMC2000)**, Manila, Philippines.

Information: Homepage <http://www.math.cs.upd.edu.ph/AMC2000/>; secretariat's e-mail: amc2k@math01.cs.upd.edu.ph.

Program: There will be one-hour plenary lectures, 40-minute parallel invited lectures and 20-minute short communications.

November 2000

3-5 **AMS Northeastern Section Meeting**, Columbia University, New York, New York. (Nov. 1998, p. 1378)

Information: Information will be posted on the meetings pages on e-MATH.

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.

January 2001

* 4-8 **Second Pacific Rim Conference on Mathematics**, Institute of Mathematics, Academia Sinica, Taipei, R.O.C. (Taiwan).

Organizers: S.-N. Chow (National Univ. of Singapore), L. C. Evans (Univ. of California, Berkeley), F. C. Liu (Academia Sinica, Taipei), M. Mimura (Hiroshima Univ.), R. M. Miura (Univ. of British Columbia), and R. Wong (City Univ. of Hong Kong).

Focus: The topics covered in this conference will include, but are not limited to, the following: combinatorics, computational mathematics, dynamical systems, integrable systems, mathematical physics, nonlinear partial differential equations.

Information: PRCM2001, Institute of Mathematics, Academia Sinica, Taipei 11529, R.O.C. (Taiwan); e-mail: prcm2001@math.sinica.edu.tw; <http://www.sinica.edu.tw/math/html/conference/prcm2001/>. Additional information will be posted on this Web page as it becomes available.

March 2001

* 26-30 **Quadratic Forms and Related Topics**, Louisiana State University, Baton Rouge, Louisiana.

Local Organizers: J. W. Hoffman, J. Hurrelbrink, J. Morales, R. Perlis, P. van Wamelen. **Information:** qforms@math.lsu.edu. Deadlines to be announced.