

Mathematics Calendar

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

September 1999

September–May **National Mathematics Honor Society Pi Mu Epsilon's Kansas Gamma Chapter, 50th Anniversary**, Wichita State University, Wichita, Kansas. (May 1999, p. 594)

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

1–3 **Symposium on Operations Research 1999 (SOR'99)**, Magdeburg, Germany. (May 1999, p. 594)

1–10 **Geometry, Integrability and Quantization**, St. Constantine resort (near Varna), Bulgaria. (May 1999, p. 595)

* 5–8 **Conference Moshe Flato—Advances and Prospects in Physical Mathematics**, Université de Bourgogne, Dijon, France.

Organizers: J. C. Cortet (Univ. Bourgogne, France), Y. Kosmann-Schwarzbach (Polytechnique, France), W. Schmid (Harvard, USA), J. Simon (Univ. Bourgogne, France), D. Sternheimer (Univ. Bourgogne, CNRS, France).

Speakers: Y. Aharonov, L. Boutet de Monvel, A. Connes, L. Faddeev, B. Fedosov, S. Ferrara, J. Fröhlich, C. Frønsdal, S. Gutt, M. Kontsevich, B. Kostant, E. Lieb, W. Schmid, J. Simon,

L. Takhtajan.

Information: <http://www.u-bourgogne.fr/monge/cmfr/>; e-mail: cmf@u-bourgogne.fr.

5–11 **XX International Seminar on Stability Problems for Stochastic Models**, Maria Curie-Skłodowska University, Lublin-Naleczow, Poland. (Jan. 1999, p. 70)

6–10 **Second Meeting on Quaternionic Structures in Mathematics and Physics**, Univ. di Roma “La Sapienza”, Univ. Roma Tre, Rome, Italy. (May 1999, p. 595)

6–10 **Some Trends in Algebra 1999**, Czech Agricultural University, Prague, Czech Republic. (Jun/Jul. 1999, p. 709)

6–24 **School on Modern Statistical Methods in Medical Research (in conjunction with ICMS, Edinburgh, Scotland, UK)**, The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy. (Mar. 1999, p. 379)

6–December 17 **Mathematical Developments in Solid Mechanics and Materials Science**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Mar. 1999, p. 380)

8–15 **European Summer Courses 1999, C.I.M.E.: Direct and Inverse Methods in Solving Nonlinear Evolution Equations,**

Cetraro (Cosenza), Italy. (May 1999, p. 595)

9–11 **IX Congress for the learning and teaching of Mathematics (JAEM)**, Lugo (Galicia), Spain. (Mar. 1999, p. 380)

13–18 **International Conference on Arithmetic Algebraic Geometry**, Venice, Italy. (May 1999, p. 595)

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

14–18 **International Conference on Analytic Methods of Analysis and Differential Equations (AMADE)**, Minsk, Belarus. (Jan. 1999, p. 70)

15–19 **GD'99 - Seventh International Symposium on Graph Drawing**, Stirin Castle, Prague, Czech Republic. (Jan. 1999, p. 71)

15–23 **Advanced Course on Integral Geometry**, Centre de Recerca Matemàtica, Barcelona, Spain. (Jun/Jul. 1999, p. 709)

16–22 **The Fourth International Workshop On Differential Geometry and Its Applications**, Brasov, Romania. (Jan. 1999, p. 71)

17–18 **Illinois Number Theory Conference**, University of Illinois at Urbana-Champaign, Illinois. (Jun/Jul. 1999, p. 709)

20–24 **The 10th Biennial Computational**

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

Techniques and Applications Conference and Workshops (CTAC99), Australian National University, Canberra, Australia. (Feb. 1999, p. 278)

20-24 **Third Conference on Stochastic Analysis, Random Fields and Applications and Minisymposium on Stochastic Methods in Financial Models III**, Centro Stefano Franscini, Ascona, Switzerland. (Jun/Jul. 1999, p. 709)

20-26 **International Symposium on Classical Analysis**, Kazimierz Dolny, Poland. (Jun/Jul. 1999, p. 709)

23-24 **IMA Tutorial: Low-Speed Combustion**, IMA, University of Minnesota, Minneapolis, Minnesota. (May 1999, p. 595)

26-28 **International Workshop on Analysis of Vibrating Systems**, The Greenwood Inn in Canmore, Alberta, Canada. (Jun/Jul. 1999, p. 709)

27-October 1 **IMA Workshop: Low-Speed Combustion**, IMA, University of Minnesota, Minneapolis, Minnesota. (May 1999, p. 595)

October 1999

October National Conference on Issues Related to Doctoral Programs in Mathematics Education, University of Missouri, Columbia, Missouri. (Jan. 1999, p. 71)

* 2 **49th Algebra Day**, Carleton University, Ottawa, Canada.

Speakers: I. Agoston (Eotvos Univ., Budapest), P. Russell (McGill Univ., Montreal), A. Weiss (Univ. of Alberta, Edmonton).

Information: D. Daigle (Univ. of Ottawa), e-mail: daniel@castor.mathstat.uottawa.ca; or V. Dlab (Carleton Univ.), e-mail: vdlab@math.carleton.ca.

2-3 **AMS Eastern Sectional Meeting**, Providence College, Rhode Island. (Sept. 1997, p. 1031)

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

2-3 **24th Cascade Topology Seminar**, University of British Columbia, Vancouver, British Columbia. (Jun/Jul. 1999, p. 710)

4-8 **International Workshop on General Topological Algebras**, Tartu, Estonia. (May 1999, p. 595)

4-8 **MSRI Workshop on Constructive Galois Theory**, MSRI, Berkeley, California. (Jun/Jul. 1999, p. 710)

4-8 **Workshop on the Complexity of Multivariate Problems**, Hong Kong Baptist University, Hong Kong, China. (Jan. 1999, p. 71)

* 5-8 **Comprehensive Research on Complex Dynamical Systems and Related Fields**, Research Institute for Mathematical Science, Kyoto University, Kyoto, Japan.

Organizer: M. Kisaka, Fac. of Integrated Arts and Sci., Osaka Prefectural Univ., Gakuencho, Sakai City, Osaka Pref. 599-8531.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

6-9 **New Trends in the Calculus of Variations**, Centro de Matemática e Aplicações Fundamentais da Universidade de Lisboa, Lisbon, Portugal. (Mar. 1999, p. 380)

8-10 **AMS Central Sectional Meeting**, University of Texas, Austin. (Sept. 1997, p. 1031)
Information: W. Drady, e-mail: wsd@ams.org.

* 9-11 **Fiftieth Anniversary Celebration of the Postdoctoral Instructorship Program in Mathematics**, MIT, Cambridge, Massachusetts.

Focus: A conference on the occasion of the 50th anniversary of the C.L.E. Moore Instructorship, featuring mathematical talks and non-technical discussions in celebration of the impact of the Postdoctoral Instructorships at MIT on the wider academic and mathematics communities.

Organizing Committee: V. Guillemin, E. Ionel, H. Miller, I. Singer, M. Sipser, D. Stroock, and D. Vogan.

Information: <http://www-math.mit.edu/~moore50/> concerning registration, hotel accommodations, and banquet on Sunday evening, October 10.

10-14 **National Conference on Algebra VII**, Beijing Normal Univ., Beijing, China. (May 1999, p. 595)

11-13 **IMA Workshop: Fires**, IMA, University of Minnesota, Minneapolis, Minnesota. (May 1999, p. 595)

11-15 **MSRI Workshop on Galois Actions and Geometry**, MSRI, Berkeley, California. (Jun/Jul. 1999, p. 710)

* 12-14 **Mathematical Decision Making Under Uncertainty and Ambiguity**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: H. Ishii, Graduate School of Engineering, Osaka Univ., Yamadaoka, Suita City, Osaka Pref. 565-0871.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

12-16 **A Conference in Analysis**, The Ohio State University, Columbus, Ohio. (Jun/Jul. 1999, p. 710)

* 13-15 **Research in General and Geometric Topology**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: T. Yagasaki, Fac. of Engineering and Design Div. of Math., Kyoto Institute of Technology, Sakyo-ku, Kyoto 606-8585.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

14-15 **IMA Minisymposium: Mathematical and Computational Strategies for Simplifying Complex Kinetics**, IMA, University of Minnesota, Minneapolis, Minnesota. (May 1999, p. 595)

* 14-16 **D-Modules and Applications**, CMAF, University of Lisbon, Portugal.

Scientific Committee: T. Monteiro Fernandes (CMAF, Lisboa), O. Neto (CMAF, Lis-

boa), C. Sabbah (École Polytechnique, Paris), P. Schapira (Paris VI).

Information: <http://cmf.lmc.fc.ul.pt/~dmod/dmod.html>.

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

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

16-17 **West Coast Operator Algebra Symposium**, University of Victoria, Victoria, British Columbia. (Jun/Jul. 1999, p. 710)

* 18-20 **Nonlinear Evolution Equations and Its Applications**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: A. Yagi, Graduate School of Engineering, Osaka Univ., Yamadaoka, Suita City, Osaka Pref. 565-0871.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

21-26 **Workshop on Stochastics and Quantum Physics**, University of Aarhus, Aarhus, Denmark. (Jun/Jul. 1999, p. 710)

22-23 **19th Annual Southeastern-Atlantic Regional Conference on Differential Equations**, University of Richmond, Richmond, Virginia. (Jun/Jul. 1999, p. 711)

22-23 **The Twenty-First Midwest Probability Colloquium**, University of Cincinnati, Cincinnati, Ohio. (Jun/Jul. 1999, p. 711)

22-24 **IMA "Hot Topics" Workshop: Scaling Phenomena in Communication Networks**, IMA, University of Minnesota, Minneapolis, Minnesota. (May 1999, p. 595)

23-24 **Midwest Partial Differential Equations Seminar, Fall 1999**, University of Illinois, Urbana-Champaign, Illinois. (Mar. 1999, p. 380)

25-29 **MSRI Workshop on Hopf Algebras**, MSRI, Berkeley, California. (Jun/Jul. 1999, p. 711)

* 27-29 **Algorithm Engineering as a New Paradigm**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: H. Nagamochi, Graduate School of Informatics, Kyoto Univ., Sakyo-ku, Kyoto 606-8501.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

November 1999

* 1-3 **Probabilistic Analysis of Algorithms for Hard Problems**, DIMACS Center, Rutgers University, Piscataway, New Jersey.

Organizers: M. Dyer (Univ. of Leeds), and A. Frieze (Carnegie Mellon Univ.).

Aim: A variety of research goals will be explored: to extend average case analysis to new problems, to explore the effect of distributional assumptions on the behavior of algorithms, to identify distributions that are especially hard for particular problems. This workshop aims to bring together

researchers interested in all of these approaches.

Information: A. Frieze, Carnegie Mellon University, alan@random.math.cmu.edu. Local arrangements: P. Pravato, DIMACS Center, pravato@dimacs.rutgers.edu; 732-445-5929; <http://dimacs.rutgers.edu/Workshops/index.html>.

1–5 **MSRI Workshop on The Mathematics of Imaging**, MSRI, Berkeley, California. (Jun/Jul. 1999, p. 711)

2–5 **Workshop on Hilbert's 10th Problem, Relations to Arithmetic and Algebraic Geometry**, University of Gent, Gent, Belgium. (Jun/Jul. 1999, p. 711)

* 4–5 **Microlocal Analysis for Schrodinger Equations and Related Topics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: S. Fujie, Math. Inst. of Tohoku Univ., Aoba-ku, Sendai City, Miyagi Pref. 980-8578.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

5 **IMA Tutorial: High-Speed Combustion**, IMA, University of Minnesota, Minneapolis, Minnesota. (May 1999, p. 596)

* 7–10 **OR/MS and the Quality of Life**, Philadelphia, Pennsylvania.

Information: <http://www.informs.org/Conf/Philadelphia99/>.

* 8–10 **Statistical Nature of Turbulence and Its Dynamical Description Based on Coherent Structures**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: S. Toh, Graduate School of Science, Kyoto Univ., Sakyo-ku, Kyoto 606-8501.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

8–12 **IMA Workshop: High-Speed Combustion in Gaseous and Condensed-Phase Energetic Materials**, IMA, University of Minnesota, Minneapolis, Minnesota. (May 1999, p. 596)

* 8–12 **Mathematical Models in Functional Equations**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: S. Sakata, Osaka Electro-Communication Univ., Hatsu-cho, Neyagawa City, Osaka Pref. 572-8530.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

* 9–12 **DIMACS Workshop on Codes and Association Schemes**, DIMACS Center, Rutgers University, Piscataway, New Jersey.

Organizers: A. Barg (Bell Labs, Lucent Technologies) and S. Litsyn (Tel Aviv Univ.).

Sponsor: DIMACS Center.

Focus: Applications of algebraic combinatorics, in particular, theory of association schemes to coding theory, account for most of the important structural results and

bounds on the size of codes and designs. This link will be the focus of the workshop.

Topics: Applications of the polynomial method; properties of codes in discrete metric spaces; spherical codes, packings of Grassmanians; properties of quantum codes; classification and properties of association schemes; properties of orthogonal polynomials (zeros, asymptotics); constructions of codes related to the above methods.

Information: A. Barg, Bell Labs, Lucent Technologies; abarg@research.bell-labs.com. Local arrangements: P. Pravato, DIMACS Center; pravato@dimacs.rutgers.edu; tel: 732-445-5929; WWW: <http://dimacs.rutgers.edu/Workshops/AssociationSchemes>.

* 17–19 **Numerical Solution of Partial Differential Equations and Related Topics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: M. Tabata, Graduate School of Math., Kyushu Univ., Hakozaki, Higashi-ku, Fukuoka City, 812-8581.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

* 17–19 **Set Theory on the Structure of the Real Line**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: S. Kamo, Osaka Prefectural Univ., Gakuen-cho, Sakai City, Osaka Pref. 599-8531.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

* 21–24 **The Challenge of Diversity: A Symposium on Undergraduate Mathematics**, Laguna Quays, Repulse Bay, Queensland, Australia.

Focus: Catering to various learning styles, innovative teaching practices, developing dynamic curricula, flexible delivery, special services and bridging courses.

Papers: Submitted papers to be received by July 26, 1999; reviewed by two anonymous referees; and published in proceedings if accepted.

Speakers: A. Oldknow (London, UK), D. Smith (Duke), R. Zevenbergen (Griffith, AU).

Discussion Group Leaders: J. Berry (Plymouth, UK), J. Engelbrecht (Pretoria, SA), D. Holton (Otago, NZ), D. Hughes-Hallett (Harvard), H. Keynes (Minnesota).

Information: <http://www.sci.usq.edu.au/delta99/>.

* 24–26 **Theory and Applications of Computer Algebra**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: T. Hilano, Fac. of Engineering, Kanagawa Inst. of Tech., Atsugi City, Kanagawa Pref. 243-0292.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

* 24–26 **Analytic Function Spaces and Oper-**

ators on These Spaces, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: K. Izuchi, Fac. of Sci., Niigata Univ., Igarashinino-cho, Niigata City, Niigata Pref. 950-2181.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

* 29–December 1 **Program Transformation, Symbolic Computation and Algebraic Manipulation**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: Y. Futamura, Dept. of Information and Computer Sci., Waseda Univ., Ohkubo, Shijuku-ku, Tokyo 169-0072.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

* 29–December 3 **Analytic Number Theory and Related Areas**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: K. Matsumoto, Graduate School of Math., Nagoya Univ., Furo-cho, Chikusa-ku, Nagoya, Aichi Pref. 464-8602.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

29–December 3 **Group Theory and Computation**, University of Sydney, Sydney, Australia. (May 1999, p. 596)

* 29–December 3 **Hyperbolic Spaces and Related Topics II**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: S. Kamiya, Okayama Univ. of Science, Ridai-cho, Okayama City, Okayama Pref. 700-0005.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

December 1999

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

* 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. **Focus:** The principal themes of the symposium will be, firstly, paradigms, models and theory in mathematical education, and, secondly, the use of modern technology in mathematical education.

Program: There will be plenary sessions, workshops, roundtables, contributed papers, and exhibits. All activities will take place in Spanish.

Contributed Papers: Contributed papers should be submitted before August 13, 1999.

Information: Orietta Protti, Escuela de Matemática, 2060-Universidad de Costa Rica, San José, Costa Rica; tel: (506) 207-5742; e-mail: oprotti@cariari.ucr.ac.cr; Web: <http://cariari.ucr.ac.cr/~cimm/documen/simpo.html>.

*3-5 **Mathematical Economics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: T. Maruyama, Dept. of Economics, Keio Univ., Mita, Minato-ku, Tokyo 108-8345.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

*6-8 **Spectral and Scattering Theory and its Related Topics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: W. Ichinose, Fac. of Sci., Shinshu Univ., Matsumot City, Nagano Pref. 390-8621.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

*6-9 **Microlocal Analysis and Related Topics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: H. Tahara, Dept. of Math., Sophia Univ., Kioi-cho, Chiyoda-ku, Tokyo 102-8554.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

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.

Organizer: T. Morimoto, Dept. of Math., Kyoto Univ. of Education, Fushimi-ku, Kyoto 612-0863.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

*13-18 **Second International Conference on Intersection Theory**, Dipartimento di Matematica, Università di Bologna, Italy.

Scientific Committee: G. Ellingsrud (Univ. of Oslo), S. Kleiman (M.I.T.), A. Vistoli (Univ. of Bologna).

Organizing Committee: R. Achilles (Univ. of Bologna), M. Manaresi (Univ. of Bologna), A. Vistoli (Univ. of Bologna).

Expected Participants: D. Abramovich (Boston Univ.), S. Bloch (Univ. of Chicago), L. Caporaso (M.I.T.), H. Clemens (Univ. of Utah), C. De Concini (Univ. la Sapienza, Rome), D. Edidin (Univ. of Missouri), G. Ellingsrud (Univ. of Oslo), L. Ernstöm (Stockholm), C. Faber (Max Planck Institut, Bonn), B. Fantechi (Univ. of Trento), W. Fulton (Univ. of Michigan), S. Kleiman (M.I.T.), A. Kresch (Univ. of Pennsylvania), M. Levine (Northeastern Univ., Boston), F. Morel (École Polytechnique, Paris), R. Piene (Univ. of Oslo), P. Pragacz (Polish Academy of Science, Torun), C. Procesi (Univ. la Sapienza, Rome), P. Roberts (Univ. of Utah), S. A. Stromme (Univ. of Bergen), A. Thorup (Univ. of Copenhagen), B. Totaro (Cambridge Univ.).

Registration: Preferred method of registration is by e-mail to intersec@dm.unibo.it. The deadline for registration is November 30, 1999.

Information: More information about accommodations, financial support, etc., will be given in later announcements. For questions, contact, preferably by e-mail: R. Achilles, Dipartimento di Matematica, Università di Bologna, 40127 Bologna, Italy; e-mail: intersec@dm.unibo.it.

*20-22 **Analytical Approaches to Quantum Information and Their Related Fields**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: M. Ohya, Science Univ. of Tokyo, Yamazaki, Noda City, 278-8510.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

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

31-January 3 **Golden Jubilee International Conference on Mathematics (GJICM)**, Lucknow, India. (Jun/Jul. 1999, p. 712)

January 2000

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

*5-7 **Sixth International Symposium on Artificial Intelligence and Mathematics**, Fort Lauderdale, Florida.

Objective: The objective of the symposium is to foster interactions between mathematics, theoretical CS, and artificial intelligence. Traditionally, the symposium attracts around 100 participants from a variety of disciplines, thereby providing a unique forum for active scientific exchange.

Submissions: Authors must e-mail a short abstract (up to 200 words) in plain text format to amai@rutcor.rutgers.edu by September 23, 1999, and either e-mail PostScript files or \TeX / \LaTeX source files (including all necessary macros) of their extended abstracts (up to 10 double-spaced pages) to amai@rutcor.rutgers.edu or send five hard copies to B. Selman, Dept. of Computer Science, 4130 Upson Hall, Cornell Univ., Ithaca, NY 14853-7501, to be received by September 30, 1999.

Important Dates: Abstracts received: September 23, 1999; extended abstracts due: September 30, 1999; authors notified: October 31, 1999; final versions received: November 30, 1999; AI Math Symposium: January 5-7, 2000.

Sponsors: The symposium is partially supported by the *Annals of Math and AI* and Florida Atlantic University.

Organizers: M. Golumbic (Bar-Ilan Univ., Ramat Gan), F. Hoffman (Florida Atlantic Univ.), A. Kogan (Rutgers Univ.), B. Nebel (Albert-Ludwigs-Univ., Freiburg), B. Selman (Cornell Univ.).

Information: Further information and future announcements can be obtained from the conference Web site, <http://rutcor.rutgers.edu/amai/> or by e-mail

to hoffman@acc.fau.edu, or F. Hoffman, Florida Atlantic Univ., Dept. of Math., P.O. Box 3091, Boca Raton, FL 33431.

*6-7 **Operator Inequality and Related Area**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: M. Cho, Fac. of Engineering, Kanagawa Univ., Kanagawa-ku, Yokohama City, Kanagawa Pref. 221-8686.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

10-14 **MSRI Workshop on Combinatorial Algebra**, MSRI, Berkeley, California.

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

*17-20 **Finite Group Theory and Algebraic Combinatorics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: T. Yoshida, Dept. of Math., Hokkaido Univ., Kita-ku, Sapporo City, Hokkaido 060-0808.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

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. (Jun/Jul. 1999, p. 713)

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.

Sponsor: DIMACS Center.

Organizers: F. Alizadeh (Rutgers Univ.), D. Johnson (AT&T Labs - Research), and G. Pataki (Columbia Univ.).

Focus: In the past few years much has been learned about the kinds of problem classes that SDP can tackle, the best SDP algorithms for the various classes, and the various limits of the current approaches to solving SDP's. Similar to, and indeed an extension of, semidefinite programming, a great deal is known about optimization with convex quadratic constraints as well as the limitation of current methods. This workshop attempts to distill and expand upon accumulated knowledge. We have collected a variety of interesting and challenging SDP instances, whose solution would expand our knowledge on the applicability of SDP. **Deadlines:** September 15, 1999: Preliminary proposals due for comment and feedback; November 15, 1999: Extended ab-

stracts due for consideration for the workshop. All proposals and abstracts should be sent to the conference e-mail address: challenge@dimacs.rutgers.edu.

Information: F. Alizadeh, Rutgers Univ., challenge@dimacs.rutgers.edu. Local arrangements: P. Pravato, DIMACS Center, pravato@dimacs.rutgers.edu; tel: 732-445-5929; <http://dimacs.rutgers.edu/Workshops/index.html>.

* 24–28 **Algebraic Number Theory and Related Topics**, Research Institute for Mathematical Sciences, Kyoto University, Kyoto, Japan.

Organizer: Y. Ihara, Research Institute for Mathematical Sciences, Kyoto Univ., Sakyo-ku, Kyoto 606-8502.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

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.

Organizer: O. Watanabe, Tokyo Inst. of Tech., Oh-okayama, Meguro-ku, Tokyo 152-8550.

Information: <http://www.kurims.kyoto-u.ac.jp/workshop-e.html>.

February 2000

7–11 **MSRI Workshop on The Mathematics of Quantum Computation**, MSRI, Berkeley, California. (Jun/Jul. 1999, p. 713)

* 8–12 **ANZIAM 2000**, Copthorne Resort, Waitangi, New Zealand.

Aim: ANZIAM is an established gathering of applied mathematicians, scientists and engineers, and students. It provides an interactive and traditionally informal forum for presentation and discussion of research on applied and industrial problems derived in many scientific fields.

Invited Speakers: J. Filar (Univ. of South Australia), D. Goring (National Institute of Water and Atmospheric Research), P. Hunter (Univ. of Auckland), P. Jackson (Univ. of Auckland), N. Kopell (Boston Univ.), M. Wright (Bell Labs).

Special Sessions: In addition to the invited addresses there will be a number of specially organized sessions devoted to the areas of: biomathematics, applied probability and statistics, operations research, Antarctic research, inverse problems, numerical methods in continuum mechanics, numerical methods of ODEs.

Organizer: The conference is organized by the Dept. of Engineering Science at the School of Engineering of the Univ. of Auckland.

Call for Papers: A formal call for papers will be made in October. Papers are invited in all areas of applied mathematics, not just the mentioned specialty areas. If you intend to present a paper, please e-mail:

anziam2000@auckland.ac.nz. This will ensure that a place is reserved for you in the program, but does not commit you in any way.

Information: More information can be found at our Web page: <http://www.esc.auckland.ac.nz/Organisations/anziam2000>. Registration will be available on the Web later this year, and a second announcement will be made once this is put in place.

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. (Jun/Jul. 1999, p. 713)

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.

Topic: Mathematical Sciences and Research in Mathematical Education.

Organizers: J. Barety, D. Bollman, L. F. Caceres, G. Castellini, B. Ramirez, M. Ramos, P. Tarazaga.

Scientific Committee: J. Barety, G. Castellini, R. Martinez, A. Portnoy, M. Raydan.

Proceedings Editors: D. Collins, W. Dziobiak, A. Portnoy.

Call for Papers: Participants are invited to present a 20-minute research talk. To this end, please submit a title and a short abstract of at most 1 page no later than January 1, 2000, to the Scientific Committee via the e-mail address lcaceres@math.upr.clu.edu or m_ramos@rumad.upr.clu.edu or by mail to XV SIDIM, Department of Mathematics, RUM, P.O. Box 9018, Mayaguez, Puerto Rico 00681-9018.

Information: Visit the conference Web page, <http://math.upr.clu.edu/sidim.html>, or contact L. F. Caceres, lcaceres@math.upr.clu.edu, or M. Ramos, m_ramos@rumad.upr.clu.edu; tel: 787-265-3848 or 787-832-4040, ext. 3848, 3285; fax: 787-265-5454; mail address: XV SIDIM, Department of Mathematics, RUM, P.O. Box 9018, Mayaguez, Puerto Rico 00681-9018.

* 28–March 3 **Eighth International Conference on Hyperbolic Problems**, Otto-von-Guericke University, Magdeburg, Germany.

Subject: Theory, numerics and applications of hyperbolic conservation laws and related fields.

Organizers: H. Freistühler and G. Warnecke.

Plenary Speakers: Y. Brenier (Paris), T. Hou (Pasadena), S. Kawashima (Fukuoka), I. Mueller (Berlin), A. Quarteroni (Lausanne), P. Roe (Ann Arbor), G. Russo (L'Aquila), S. Schochet (Tel Aviv), J. Smoller (Ann Arbor), M. Struwef (Zurich), K. Zumbrun (Bloomington).

Invited Speakers: F. Bouchut (Orleans), S. Canic (Houston), P. Degond (Toulouse), E. Feireisl (Prague), D. Hoff (Bloomington), S. Jin (Atlanta), K. H. Karlsen (Bergen), S. Karni (New York), C.-D. Munz (Stuttgart), B. Piccoli (Salerno), E. Seidel (Potsdam), T. Tang (Hong Kong), E. Toro (Manchester), C.-C. Wu (Los Angeles), T. Yang (Hong Kong), S.-H. Yu (Osaka).

Information: Details can be found on the conference Web page, <http://rubens.math.uni-magdeburg.de/~hyp2000/>. Alternatively, send e-mail to hyp2000@mathematik.uni-magdeburg.de or a letter to HYP-2000, c/o Institut für Analysis und Numerik, Otto-von-Guericke-Universität Magdeburg, PSF 4120, D-39016 Magdeburg, Germany, in order to have all information sent to you by e-mail, fax, or regular mail.

March 2000

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.

Organizers: Faculty of Science, National University of Singapore & Isaac Newton Institute for Mathematical Sciences.

Information: Visit the Web page at <http://www.math.nus.edu.sg/icfs/>.

15–19 **IMA Workshop: Air Quality Engineering**, 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)

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

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. (Jun/Jul. 1999, p. 713)

*11-14 **Harmonic Maps and Curvature Properties of Submanifolds, 2**, University of Leeds, England.

Supported by: The London Mathematical Society.

Organizers: S. Carter and J. C. Wood (Leeds).

Aim: To stimulate cooperation between researchers working in harmonic maps and those working in submanifold theory.

Speakers: F. Burstall, T. E. Cecil, M. A. Guest, F. Helein, Y. Ohnita, F. Pedit, U. Pinkall, G. Thorbergsson.

Information: J. C. Wood, School of Mathematics, Univ. of Leeds, Leeds LS2 9JT, Great Britain; e-mail: j.c.wood@leeds.ac.uk; Web page: <http://www.amsta.leeds.ac.uk/pure/geometry/leeds2000.html>.

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)

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

May 2000

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

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

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. (Jun/Jul. 1999, p. 714)

*20-25 **Summer School on Stereology and Geometric Tomography**, Sandbjerg Manor, Denmark.

Focus: Stereology is the area of stochastic dealing with statistical inference about spatial structures from geometric samples of the structure such as two-dimensional sections and one-dimensional probes. The

development of stereological methods involves the use of advanced mathematical tools, especially from geometric measure theory and integral geometry. Stereology is now in worldwide use in many areas of biology and medicine, most importantly in neuroscience and cancer grading. Other areas of application are geology, metallography, and mineralogy. Geometric tomography is closely related to stereology, as is apparent from its definition: "Geometric tomography is the area of mathematics dealing with the retrieval of information about a geometric object from data about its sections, or projections, or both." Geometric tomography has connections with convex geometry, geometric probing in robotics, computerized tomography, and other areas.

Organizer: E. B. V. Jensen (Univ. of Aarhus).

Speakers: The teaching team includes: A. Baddeley (Univ. of Western Australia), R. Gardner (Western Washington Univ.), H. J. G. Gundersen (Univ. of Aarhus), E. B. V. Jensen (Univ. of Aarhus), K. Kieu (Institut National de la Recherche Agronomique, Versailles). Lectures by invited researchers in related fields such as convex geometry, stochastic geometry, and spatial statistics are also planned, as well as lectures by the participants of the summer school.

Deadlines: The number of participants is limited to 50. Participation will therefore be by application only. To apply for participation, fill out the registration found on the course home page. The deadline for application is March 1, 2000.

Information: More information can be obtained from the course home page located at <http://www.maphysto.dk/events/S-and-GT2000/>.

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.

Speakers: Z. Buczolich (Budapest), K. Falconer (St. Andrews), J. P. Kahane (Paris), A. Kechris (Pasadena), M. Misiurewicz (Indianapolis), Y. Peres (Berkeley).

Information: For online preregistration materials visit <http://www.stolaf.edu/people/analysis/>.

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

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

29-June 9 **Foliations: Geometry and Dynamics Revisited**, Banach Center, Warsaw, Poland. (Jun/Jul. 1999, p. 714)

June 2000

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

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. (Jun/Jul. 1999, p. 714)

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

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

18-21 **MCS 2000 International Conference on Monte Carlo Simulation**, Monte Carlo, Monaco. (Jun/Jul. 1999, p. 714)

*26-30 **Formal Power Series and Algebraic Combinatorics (FPSAC'00)**, Moscow State University, Moscow, Russia.

Conference Program: Invited lectures, contributed presentations, poster session, problem session, and software demonstrations.

Invited Speakers: Not all invited speakers are known at this time. The following scientists have already accepted to give an invited talk at FPSAC'00: G. P. Egorychev (Russia), M. Hazewinkel (The Netherlands), O. Kharlampovitch (Canada), J. Propp (USA), M. Shimonoso (USA), S. Zvonkin (France).

Program Committee: S. A. Abramov (Russia), S. Ariki (Japan), N. Bergeron (Canada), C. Bessenroth (Germany), L. A. Bokut' (Russia), M. Bousquet Melou (France), C. Greene (USA), T. Guttman (Australia), D. Krob (France, co-chair), G. Labelle (Canada), A. A. Mikhalev (Hong Kong - Russia, co-chair), A. V. Mikhalev (Russia), A. Odlyzko (USA), M. Petkovsek (Slovenia), R. Pinzani (Italy), D. Rawlings (USA), B. Sagan (USA), V. Strehl (Germany), S. Sundaram (USA), M. Wachs (USA), H. F. Yamada (Japan), J. Zeng (France).

Deadlines: Authors are invited to submit extended abstracts of at most twelve pages by November 15, 1999. To submit your papers, preferably use the submission server of the conference, which is available through the Internet address <http://www.liafa.jussieu.fr/~fpsac00/>. If you are unable to use the submission server, please either send one single PostScript file to the e-mail address fpsac00@liafa.jussieu.fr or send four copies of the extended abstract to the following address: LIAFA-Université Paris 7, ATTN: Daniel KROB - SFCA/FPSAC'00, 2, place Jussieu, 75251 Paris Cedex 05, France.

Information: More information can be obtained at the conference Web site, <http://www.liafa.jussieu.fr/~fpsac00/>.

July 2000

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. (Jun/Jul. 1999, p. 715)

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

* 17–21 **Ninth International Conference on Fibonacci Numbers and their Applications**, Luxembourg-City, Luxembourg.

Sponsors: The Fibonacci Association, Institut Supérieur de Technologie, Luxembourg. **Purpose:** The purpose of the conference is to bring together people from all branches of mathematics and science who are interested in Fibonacci numbers, their applications and generalizations, and other special number sequences.

Organizer: F. T. Howard, Wake Forest Univ., Box 7388 Reynolda Station, Winston-Salem, NC 27109; e-mail: howard@mathsc.wfu.edu.

Local Committee: R. Andre-Jeannin, J. Lahr (chair), M. Malvetti, C. Molitor-Braun, M. Oberweis, P. Schroeder. J. Lahr's address: Institut Supérieur de Technologie, 6, rue R. Coudenhove-Kalergi, L-1359 Luxembourg; e-mail: joseph.lahr@ist.lu.

International Committee: M. Bicknell-Johnson (USA), C. Cooper (USA), P. Filipponi (Italy), H. Harborth (Germany), A. Horadam (Australia), Y. Horibe (Japan), P. Kiss (Hungary), A. Philippou (Cyprus), G. Phillips (Scotland), J. Turner (New Zealand), M. Waddill (USA).

Abstracts: Abstracts of one page or less should be submitted in duplicate to F. T. Howard before June 1, 2000. New results are especially desirable, but abstracts on work in progress or on work already accepted for publication will be considered. Manuscripts should not be submitted. If an abstract is accepted, the author will be allotted twenty-minutes on the conference program.

Information: For more information contact F. T. Howard or J. Lahr at the above addresses.

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. (Jun/Jul. 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)

31–August 3 **Third Conference of Balkan Society of Geometers**, Univ. Politehnica of Bucharest, Bucharest, Romania. (Jun/Jul. 1999, p. 715)

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)

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)

22–24 **The Fifth Iranian Statistics Conference**, Isfahan University of Technology, Isfahan, Iran. (Jun/Jul. 1999, p. 715)

September 2000

* 11–15 **IWOTA-Portugal 2000**, Faro, Portugal.

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.

Scientific Committee: T. Banchoff (Brown Univ.), J. P. Bourguignon (IHES, France), S. Donaldson (Imperial College London, England), J. Eells (Cambridge Univ., England), S. Gindikin (Rutgers Univ.), M. Gromov (IHES, France), O. Kowalski (Charles Univ., Praha, Czech Republic), M. Mezzino (Univ. of Houston-Clear Lake), S. Novikov (Maryland Univ.), M. Pinsky (Northwestern Univ.), A. Ros (Univ. de Granada, Spain), S. Salamon (Oxford Univ., England), L. Vanhecke (Katholieke Univ. Leuven, Belgium), J. Wolf (Univ. of California-Berkeley). The Scientific Committee reserves the right to select contributions for oral presentation.

Organizing Committee: L. C. de Andrés (Univ. del País Vasco, Spain), L. A. Cordero (Univ. de Santiago de Compostela, Spain), M. Fernández (chair, Univ. del País Vasco, Spain), A. Ferrández (Univ. de Murcia, Spain), R. Ibáñez (Univ. del País Vasco, Spain), M. de León (C.S.I.C., Spain), M. Macho-Stadler (Univ. del País Vasco, Spain), A. Martínez Naveira (Univ. de Valencia, Spain), L. Ugarte (Univ. de Zaragoza, Spain).

Program: The International Congress will include various invited talks, several short communications, a poster session, a roundtable discussion, and a session with Mathematica.

Fees: Participation fee is 15.000 pesetas or US\$100.

Deadline: The deadline for preregistration is September 30, 1999.

Information: R. Ibáñez or M. Macho-Stadler, Departamento de Matemáticas, Facultad de Ciencias, Apartado 644, 48080 Bilbao, Spain; tel: 34-946015358 and 34-946015352; fax: 34-946012516; e-mail: Gray@lg.ehu.es. Further information about registration, conference fees, lodging, submission of abstracts, program of the conference, proceedings, social activities, etc., will be distributed in the second announcement before November 1999. All information will also be available on the Web page <http://www.ehu.es/Gray/>.

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.

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.

January 2001

January–May **MSRI Program in Spectral Invariants—Analytic and Geometric Aspects**, Mathematical Sciences Research Institute, Berkeley, California. (Sept. 1998, p. 1054)

10–13 **Joint Mathematics Meeting**, New Orleans Marriott & ITT Sheraton New Orleans Hotel, New Orleans, Louisiana. (Sept. 1997, p. 1031)

March 2001

16–18 **AMS Southeastern Sectional Meeting**, University of South Carolina, Columbia, South Carolina. (Jan. 1998, p. 113)

Information: W. Drady, wsd@ams.org.

April 2001

28–29 **AMS Northeastern Section Meeting**, Stevens Institute of Technology, Hoboken, New Jersey. (Nov. 1998, p. 1378)

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

September 2001

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

October 2001

13–14 **AMS Eastern Sectional Meeting**, Williams College, Williamstown, Massachusetts. (Sept. 1997, p. 1031)

Information: W. Drady, wsd@ams.org.

January 2002

6–9 **Joint Mathematics Meetings**, San Diego Convention Center, San Diego, California. (Nov. 1998, p. 1378)