

Mathematics Calendar

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

June 2000

1-3 **7th Chico Topology Conference**, California State University, Chico, Chico, CA. (Mar. 2000, p. 393)

1-3 **Fabes Lectures on Real Analysis & PDEs**, International Conference, Firenze, Italy. (May 2000, p. 594)

1-30 **Differential Geometry**, State University of Manchester, England. (May 2000, p. 594)

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

3-8 **The Sixth International Conference on Mathematical Population Dynamics**, Marrakech, Morocco. (Mar. 2000, p. 393)

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. (Dec. 1999, p. 1435)

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

5-10 **The Fifth International Petrozavodsk Conference "Probabilistic Methods in Discrete Mathematics"**, Institute of Applied Mathematical Research, Russian Academy of Institute of Applied Mathematical Research, Petrozavodsk, Russia. (Mar. 2000, p. 393)

5-10 **VIII International Conference: Groups and Group Rings**, Politechnika, Śląska, Gliwice, Poland. (Apr. 2000, p. 500)

* 7 **Mathematics in Medical Sciences and Healthcare**, Glasgow

Caledonian University, Scotland.

Information: Pamela Bye, Conference Officer, The Institute of Mathematics and Its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF; tel: (01702) 354020; fax: (01702) 354111; e-mail: conferences@ima.org.uk; Web: <http://www.ima.org.uk/>.

7-9 **The Legacy of John Charles Fields Symposium (World Mathematical Year 2000)**, Royal Ontario Museum, 100 Queen's Park, Toronto, Canada. (Apr. 2000, p. 500)

7-11 **Ph.D. Euroconference on Complex Analysis and Holomorphic Dynamics**, Platja d'Aro (Costa Brava), Catalonia, Spain. (Jan. 2000, p. 81)

7-15 **International Conference on Geometry, Integrability and Quantization**, St. Constantine Resort (near Varna), Bulgaria. (Mar. 2000, p. 393)

8-9 **Fifth International Conference on Mathematical Modeling and Application**, Institute of Mathematics, Riga-Jurmala, Latvia. (May 2000, p. 595)

11-13 **2000 Lehigh University Geometry/Topology Conference**, Lehigh University, Bethlehem, Pennsylvania. (Apr. 2000, p. 500)

11-16 **AMS-IMS-SIAM Joint Summer Research Conference on Symbolic Computation**, Mount Holyoke College, South Hadley, Massachusetts. (Apr. 2000, p. 500)

12-13 **DIMACS Workshop on Multimedia Streaming on the Internet**, DIMACS Center, Rutgers University, Piscataway, New Jersey. (Apr. 2000, p. 500)

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

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.)

- p. 714)
- 12–15 **Tenth SIAM Conference on Discrete Mathematics**, Radisson Hotel Metrodome, Minneapolis, Minnesota. (Feb. 2000, p. 283)
- 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)
- 13–16 (NEW DATE) **International Workshop in Operator Theory and Its Applications (IWOTA 2000)**, Bordeaux Univ., Bordeaux, France. (Aug. 1999, p. 815)
- 14–16 **Mathematics and Information Science Problems in XXI Century (International Scientific Conference Devoted to Mathematics Year)**, Kyrgyz State National University (KSNU), Kyrgyzstan. (Apr. 2000, p. 500)
- 15–17 **2nd Croatian Mathematical Congress**, University of Zagreb, Croatia. (Feb. 2000, p. 283)
- 15–17 **Seventeenth Annual Workshop in Geometric Topology**, The Colorado College, Colorado Springs, Colorado. (Apr. 2000, p. 500)
- 16–17 **The Fourth Biennial Symposium on Mathematical Modeling in the Undergraduate Curriculum**, University of Wisconsin-La Crosse, Wisconsin. (Dec. 1999, p. 1435)
- 17–22 **Mathematical Analysis: EuroConference on Partial Differential Equations and Their Applications to Geometry and Physics**, Castelvecchio Pascoli, Italy. (Mar. 2000, p. 393)
- 18–21 **MCS 2000 International Conference on Monte Carlo Simulation**, Monte Carlo, Monaco. (June/July 1999, p. 714)
- 19–24 **Conference on Stochastic Networks**, University of Wisconsin - Madison, Madison, Wisconsin. (Apr. 2000, p. 500)
- 19–26 **Dynamical Systems**, Cetraro Cosenza, Italy. (Feb. 2000, p. 283)
- 19–30 **Lie Theory: Summer School and Workshop**, University of Alberta, Edmonton, Alberta, Canada. (Apr. 2000, p. 501)
- 19–30 **Probabilistic Combinatorics**, University of Wyoming, Laramie, Wyoming. (Jan. 2000, p. 81)
- * 19–July 7 **Asymptotic Series, Differential Algebra and Finiteness Problems in Non-linear Dynamical Systems**, Centre de Recherches Mathématiques, Université de Montréal, Montréal, Quebec, Canada.
Workshop Topics: While the relationship between asymptotic analysis and differential algebra has a long history in linear differential equations, the merger of tools and openings of a wider scope of investigations in both areas of non-linear dynamics and differential algebraic geometry is more recent. In particular, model theoretical methods have recently come to the fore. The goal of this workshop is to bring together researchers in these fields. Plenty of time will be reserved for discussion.
Main Speakers: A. Bolibruch, “Asymptotic series and differential equations”; A. Buium, “Differential algebraic geometry and diophantine geometry”; L. van den Dries, “Logarithmic-exponential series and o-minimality”; V. Y. Kaloshin, “Finiteness theorems in dynamical systems”.
Organizers: D. Schlomiuk, Univ. de Montréal, dasch@dms.umontreal.ca; L. Belair, Univ. du Québec à Montréal-UQAM, belair.luc@uqam.ca.
Information and Deadlines: Please register before May 19, 2000, for attendance and accommodations or before June 2, 2000, for attendance only. A registration form is available at http://www.CRM.UMontreal.CA/act/form/inscr_2000-2001_hors_fr.shtml.
- 22–24 **CUR 2000: Research in Undergraduate Education**, The College of Wooster, Wooster, Ohio. (Nov. 1999, p. 1287)
- * 22–24 **KOTAC 2000: Operator Theory and Its Applications**, SungKyunKwan University, Suwon, Korea.
Goal: The goal is to bring together researchers on operator theory from different areas to exchange research problems, ideas, and experience in the subject.
Sponsors: Korea Science and Engineering Foundation; SungKyunKwan University; and Institute of Basic Science at the SungKyunKwan University.
Organizers: W. Y. Lee (SungKyunKwan Univ., Korea) and I. B. Jung (Kyungpook National Univ., Korea).
Main Speakers: X. Chen (Fudan Univ., P. R. China), M. Cho (Kanagawa Univ., Japan), B. Duggal (Univ. of Botswana, Botswana), T. Furuta (Science Univ. of Tokyo, Japan), R. E. Harte (Trinity College, Ireland), and C. M. Pearcy (Texas A&M Univ.).
Information: For further information, please contact: W. Y. Lee (wylee@yurim.skku.ac.kr) or I. B. Jung (ibjung@bh.kyungpook.ac.kr).
- 24–30 **Numerical Methods for Evolution Partial Differential Equations**, Anogia, Crete, Greece. (Mar. 2000, p. 393)
- 25–28 **ACA'2000: IMACS Conference on Applications of Computer Algebra**, Steklov Institute of Mathematics at St. Petersburg, St. Petersburg, Russia. (Mar. 2000, p. 394)
- 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. (Dec. 1999, p. 1435)
- 26–29 **Fifteenth Annual IEEE Symposium on Logic in Computer Science**, Santa Barbara, California. (Feb. 2000, p. 283)
- 26–30 **Conference on Differential Equations and Dynamical Systems in Honor of Waldyr Oliva**, Instituto Superior Tecnico, Lisbon, Portugal. (Mar. 2000, p. 394)
- 26–30 **Formal Power Series and Algebraic Combinatorics (FP-SAC'00)**, Moscow State University, Moscow, Russia. (Sept. 1999, p. 981)
- 26–30 **ICAA 2000: The Third International Conference on Abstract Analysis in Africa**, Berg-en-Dal, Kruger National Park, South Africa. (Apr. 2000, p. 501)
- 26–30 **Nonlinear Modeling and Control, An International Seminar**, Nayanova University, Samara, Russia. (Mar. 2000, p. 394)
- * 26–30 **Symposium of the SFB 478 “Geometrische Strukturen in der Mathematik”**, Muenster, Germany.
Scope: The SFB covers arithmetic, rigid, analytic, differential and noncommutative geometry and algebraic topology with a particular emphasis on intersections. Every two years it hosts a symposium reporting on new developments in these geometric theories.
Speakers: The following speakers have agreed to give lectures: E. Bayer-Fluckiger, D. Blasius, S. Bloch, J. Denef, G. Faltings, J. Franke, N. Katz, D.T. Le, J. Lott, L. Merel, B. Perrin-Riou, C. Sabbah, D. van Straten, M. F. Vigneras, K. Vilonen, G. Yu.
Registration: If you are interested in participating in the symposium, please contact the secretary of the SFB: G. Weckermann, Hittorfstr. 27, 48149 Muenster, Germany; tel.: +49 251 8333730; fax: +49 251 8332720; e-mail: sfb478mi@math.uni-muenster.de.
- 26–30 **Using Scientific Notebook and Teach and Learn Mathematics**, Colorado State University, Fort Collins, Colorado. (Mar. 2000, p. 394)
- 26–30 **Workshop on Stochastic Networks**, University of Wisconsin-Madison, Wisconsin. (Apr. 2000, p. 501)
- 26–July 7 **Group Theory: Summer School and Workshop**, University of Alberta, Edmonton, Alberta, Canada. (Apr. 2000, p. 501)
- 27–July 1 **The 18th International Conference on Operator Theory**, University of the West, Timisoara, Romania. (Jan. 2000, p. 81)

28–July 6 **Diophantine Approximation**, Cetraro Cosenza, Italy. (Feb. 2000, p. 284)

30–July 2 **2000 Centennial Vranceanu**, Romanian Academy, Bucharest University, Romania. (Jan. 2000, p. 81)

July 2000

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

3–5 **International Conference on Monte Carlo and Probabilistic Methods for Partial Differential Equations**, Monte Carlo, Monaco. (Apr. 2000, p. 501)

* 3–7 **A EuroConference: Ergodic Theory, Geometric Rigidity and Number Theory**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK.

The Conference: This will be the concluding meeting of the six-month program at the Isaac Newton Institute, covering a number of aspects of ergodic theory. The organizers are: A. Katok (Penn State), G. Margulis (Yale), and M. Pollicott (Manchester). The preceding two weeks (June 19–30) will be a period of heightened activity, with a number of both formal and informal talks.

Expected Participants: M. Babillot, Y. Benoist, D. Burago, M. Burger, G. Courtois, D. Dolgopyat, G. Everest, A. Fathi, R. Feres, D. Fisher, L. Flaminio, J. Franks, A. Furman, H. Furstenberg, E. Ghys, I. Goldsheid, U. Hamenstadt, S. Hurder, A. Iozzi, M. Kanai, A. Katok, S. Katok, K. Khanin, D. Kleinbock, B. Klingler, G. Knieper, F. Labourie, F. Ledrappier, A. Lubotzky, G. Margulis, H. Masur, S. Mozes, A. Nevo, M. Nicol, H. Oh, P. Pansu, W. Parry, Y. Pesin, M. Pollicott, M. Rees, K. Schmidt, Y. Shalom, R. Sharp, R. Spatzier, A. Starkov, Y. Suhov, G. Tomanov, S. Velani, P. Walters, T. Ward, B. Weiss, H. Weiss, D. Witte, R. Zimmer.

Location and Costs: The lectures will take place at the Newton Institute, Cambridge. Accommodations and meals can be provided for the week at neighboring Wolfson Court for a cost of £300. The EuroConference is supported by the European Community, and funding is available to support some young researchers. It is intended for nationals of EC Member States and of Iceland, Liechtenstein, Norway, Israel, Bulgaria, Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Romania, Slovakia, Slovenia, and Switzerland, who must all be under 35 years of age. There is a limited amount of support available for USA participants (through the generous support of the NSF) and other EC residents (through the generous support of ESF and DGXII). Self-supporting participants of any age and nationality are welcome to apply.

Further Information and Application Forms: These are available from WWW at <http://www.newton.cam.ac.uk/programs/ernw04.html>, where further information about the meeting will be posted and updated. Completed application forms should be sent to T. Andrew at the above address, or via e-mail to t.andrew@newton.cam.ac.uk. Closing date for receipt of applications is April 14, 2000.

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

3–7 **ANTS IV (Algorithmic Number Theory Symposium IV)**, Universiteit Leiden, Leiden, The Netherlands. (Oct. 1998, p. 1230)

3–7 **Com2MaC Conference on Association Schemes, Codes and Designs**, Pohang University of Science and Technology, Pohang, Korea. (Mar. 2000, p. 394)

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)

3–7 **Symposium on Geometry of Submanifolds and Related Problems**, Granada, Spain. (Mar. 2000, p. 394)

3–7 **Symposium on Orthogonal Polynomials**, Granada, Spain. (Mar. 2000, p. 394)

3–7 **Symposium on Representation Theory of Algebras**, Granada, Spain. (Mar. 2000, p. 395)

3–7 **Symposium on Symmetry**, Granada, Spain. (Mar. 2000, p. 395)

3–9 **Mathematical Aspects of Evolving Interfaces**, Funchal, Portugal. (Feb. 2000, p. 284)

3–14 **Mathematics of Aperiodic Order: Summer School and Workshop**, University of Alberta, Edmonton, Alberta, Canada. (Apr. 2000, p. 501)

3–14 **SMS-NATO ASI: Approximation, Complex Analysis, and Potential Theory**, Université de Montréal, Canada. (Dec. 1999, p. 1435)

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)

5–8 **The 6th Barcelona Logic Meeting**, Barcelona, Spain. (Mar. 2000, p. 395)

5–8 **International Conference on Ordinal and Symbolic Data Analysis—OSDA 2000**, Université Libre de Bruxelles (ULB), Brussels, Belgium. (Feb. 2000, p. 284)

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

* 7–9 **Classical Combinatorics: An International Conference**, Temple University, Philadelphia, Pennsylvania.

Organizers: G. Andrews, R. A. Askey, A. Robertson (co-chair), H. S. Wilf, and D. Zeilberger (co-chair).

Plenary Speakers: G. Andrews, R. Askey, D. Richards, R. Stanley, X. Viennot, and M. Wachs.

Invited Speakers: T. Amdeberhan, S. Billey, M. Bousquet-Melou, D. Bressoud, L. Butler, B. Chen, K. Eriksson, A. Garsia, F. Garvan, I. Gessel, C. Green, L. Habsieger, G.-N. Han, M. Ismail, C. Krattenthaler, D. Kremer, P. Leroux, K. O'Hara, J. Remmel, L. Shapiro, D. Stanton, R. Sulanke, V. Strehl, and J. Zeng.

Conference Web Site: <http://math.colgate.edu/~aaron/foata.html>.

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

9–15 **Mathematical Methods for Protein Structure Analysis and Design**, Martina Franca, Taranto, Italy. (Feb. 2000, p. 284)

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

10–14 **2000 SIAM Annual Meeting**, Westin Rio Mar Beach Resort and Country Club, Rio Grande, Puerto Rico. (Feb. 2000, p. 284 and Mar. 2000, p. 395)

10–14 **Third European Congress of Mathematics (3ecm)**, Barcelona, Spain. (Feb. 2000, p. 284)

10–15 **2nd World Conference on Mathematics and Computers in Mechanical Engineering**, Vouliagmeni, Greece. (Apr. 2000, p. 502)

10–15 **2nd World Conference on Mathematics and Computers in Physics**, Vouliagmeni, Greece. (Apr. 2000, p. 502)

10–15 **4th World Multiconference on Circuits, Systems, Communications & Computers (CSCC 2000)**, Vouliagmeni, Greece. (May 2000, p. 595)

* 13–14 **Workshop on Measurement Error and Missing Data (Statistics with Deficient Data — Recent Developments in Statistical Analysis in the Presence of Measurement Error and Missing Data)**, Munich, Germany.

Information: Available at <http://www.stat.uni-muenchen.de/workshop2000/>.

Deadline: For submitting an abstract is April 1, 2000.

- 13–17 **International Conference on Foundations of Computational Mathematics in honor of Professor Steve Smale's 70th Birthday**, City University of Hong Kong, Kowloon, Hong Kong. (Jan. 2000, p. 81)
- 16–August 5 **IAS/Park City Mathematics Institute**, Institute for Advanced Study, Princeton, New Jersey. (Dec. 1999, p. 1435)
- 17–21 **Colloquium on Semigroups**, József Attila University, Bolyai Institute, Szeged, Hungary. (Feb. 2000, p. 284)
- * 17–21 **Mathematical Society of Japan–9th International Research Institute: Integrable Systems in Differential Geometry**, University of Tokyo, Japan.
Program: There will be both plenary lectures and lectures in parallel sessions focusing on the role of integrable systems in differential geometry.
Speakers: Confirmed plenary speakers include A. Bobenko, F. Burstall, J. Dorfmeister, B. Dubrovin, N. Ejiri, E. V. Ferapontov, K. Fukaya, E. Heintze, J. Hurtubise, U. Jeromin, D. Joyce, X. Liu, T. Miwa, A. Nakayashiki, M. Noumi, K. Okamoto, K. Ono, R. Palais, F. Pedit, U. Pinkall, M. Umehara, J. C. Wood, K. Yamada, Y. Yamada.
Organizing Committee: T. Ochiai (chairman), M. A. Guest, M. Itoh, R. Miyaoka, T. Morimoto, Y. Ohnita, S. M. Salamon, T. Sasaki, C. L. Terng, G. Thorbergsson.
Information: Information on the program, how to apply for financial support, and how to contribute a paper is available at <http://www.comp.metro-u.ac.jp/~martin/iri.html> or by e-mail from M. Guest (martin@comp.metro-u.ac.jp), R. Miyaoka (r-miyaok@hoffman.cc.sophia.ac.jp), or Y. Ohnita (ohnita@comp.metro-u.ac.jp).
- 17–21 **Ninth International Conference on Fibonacci Numbers and their Applications**, Luxembourg-City, Luxembourg. (Sept. 1999, p. 982)
- 17–21 **VI Workshop on Real and Complex Singularities**, Departamento de Matematica-ICMC-USP, Sao Carlos, Sao Paulo, Brazil. (May 2000, p. 595)
- 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 **Conference on Algebra and Algebraic Geometry with Applications**, Purdue University, West Lafayette, Indiana. (Jan. 2000, p. 82)
- 19–26 **The Third World Congress of Nonlinear Analysts (WCNA-2000)**, Catania, Italy. (Feb. 1998, p. 296)
- 20–24 **International Workshop on Number Theory in Honor of Professor Chao Ko's 90th Birthday**, Sichuan University, Chengdu, P.R. China. (Mar. 2000, p. 395)
- 21–31 **2000 ASL European Summer Meeting (Logic Colloquium 2000)**, Paris, France. (Oct. 1998, p. 1230)
- 22–28 **New Mathematical Methods in Continuum Mechanics**, Anogia, Crete, Greece. (Mar. 2000, p. 396)
- 24–29 **SIAG OP-SF Summer School 2000**, Laredo, Spain. (Mar. 2000, p. 396)
- 25–30 **Colloquium on Differential Geometry and Its Applications**, Debrecen, Hungary. (Apr. 2000, p. 502)
- * 28 **ACM SIGIR 2000 Workshop on Mathematical Formal Methods in Information Retrieval**, Athens, Greece.
Objective: The purpose of the workshop is to promote discussion and interaction among those with research interests in mathematical/formal aspects of information retrieval: mathematical/formal foundations, descriptions, properties, structures, theory, and applications of information retrieval models.
Workshop Chairs: S. Dominich (Univ. of Veszprem, Buckinghamshire College), M. Lalmas (Queen Mary and Westfield College), K. van Rijsbergen (Univ. of Glasgow).
- Participation:** Those interested in making a presentation should submit their papers of at most 8 pages, or those interested in giving a talk (without paper submission) should submit the title and summary of at most 1 page. All submissions should be made by e-mail to the address below, using "MF/IR 2000 Submission" as the e-mail subject line. Please submit the paper in Microsoft Word (or PostScript).
Correspondence: Direct correspondence, inquiries, and submissions relating to this workshop to: S. Dominich, e-mail: dominich@dcs.vein.hu or sdomin01@bcuc.ac.uk.
Important Dates: Submission (paper, summary): 15 May 2000; Notification of acceptance: 31 May 2000; Final submission: 15 June 2000; Workshop: 28 July 2000.
Further Information: Further questions should be directed to the address above, or visit the SIGIR 2000 Web page at <http://sigir2000.aueb.gr/>.
- 28–30 **The Third Annual Conference of Bridges: Mathematical Connections in Art, Music, and Science**, Southwestern College, Winfield, Kansas. (Dec. 1999, p. 1436)
- 29–August 4 **Curves and Abelian Varieties over Finite Fields and Their Applications**, Anogia, Crete, Greece. (Mar. 2000, p. 396)
- 30–August 5 **ICOR 2000**, Innsbruck, Austria. (Feb. 2000, p. 284)
- 31–August 3 **Third Conference of Balkan Society of Geometers**, Univ. Politehnica of Bucharest, Bucharest, Romania. (June/July 1999, p. 715)
- 31–August 4 **Numerical Modelling in Continuum Mechanics**, Prague, Czech Republic. (Jan. 2000, p. 82)
- 31–August 5 **KNOTS 2000, KAIST**, Yongpyong Resort, Kangwon-do, Korea (South of). (Nov. 1999, p. 1288)
- 31–August 18 **Mathematical Geophysics Summer School**, Stanford University, Stanford, California. (Mar. 2000, p. 396)
- 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)
- 1–6 **Clifford Analysis, Its Applications to Mathematical Physics and Related Topics: In Honor of the Occasion of L. K. Hua's 90th Birthday**, Beijing, China. (Mar. 2000, p. 396)
- 2–9 **Summer School on Quantum Field Theory—From a Hamiltonian Point of View**, Sandbjerg Manor, Denmark. (May 2000, p. 595)
- 2–18 **Rings, Modules and Representations – Constanta 2000**, Ovidius University, Constanta, Romania. (Dec. 1999, p. 1436)
- 3–5 **Mathematical Association of America's Mathfest 2000**, UCLA, Los Angeles, CA. (Mar. 2000, p. 396)
- 4–10 **Stokes Millennium Summer School**, Skreen, Co. Sligo, Ireland. (May 2000, p. 595)
- * 5–8 **International Symposium on Analysis, Combinatorics, and Computing in Honor of Professor L. C. Hsu's 80th Birthday**, Dalian University of Technology, Dalian, P. R. China.
Program: The symposium is dedicated to the 80th birthday of Prof. L. C. Hsu, honorary director of the Institute of Mathematical Sciences, Dalian University of Technology, and editor-in-chief for *Journal of Mathematical Research & Exposition*. The math subjects are analysis and combinatorics.
Invited Speakers: R. Askey, P. L. Butzer, M. Ismail, P. Shiue, L. Solomon.
Organizing Committee: T.-X. He, Z. Li, J. Wang, S. Zheng.
Call for Papers: Abstracts of contributed papers should be sent by June 30, 2000.

Information: T.-X. He, Dept. of Mathematics, Illinois Wesleyan University, Bloomington, IL 61702-2900; fax: 309-556-3864; tel: 309-556-3089; e-mail: the@sun.iwu.edu.

*6-7 **CALCULEMUS-2000, Symposium on the Integration of Symbolic Computation and Mechanized Reasoning**, St. Andrews, Scotland.

Description: As many application domains fall outside the scope of existing deduction systems and computer algebra systems, there is still need for improvement and in particular need for the integration of computer algebra and deduction systems. The symposium is intended for researchers and developers interested in combining the reasoning capabilities of deduction systems and the computational power of computer algebra systems.

Format: The symposium will feature invited talks, contributed presentations with ample time for discussion, and a panel session. Consistent with the tradition of the symposium as a lively forum for discussing controversial ideas, we expect and encourage contributed talks to present work in progress rather than polished final results.

Invited Speakers: H. Barendregt, Univ. Nijmegen; A. Cohen, Eindhoven University of Technology; G. Gonnet, ETH Zürich, Institute for Scientific Computation.

Important Dates: Submission deadline: May 1, 2000; Notification of acceptance: May 22, 2000; Final versions for proceedings: June 5, 2000; Symposium: August 6-7, 2000; ISSAC: August 7-9, 2000.

Information: Visit our Web site at <http://www.calculemus.net/meetings/standrews00/>.

6-9 **ISSAC 2000 — International Symposium on Symbolic and Algebraic Computation**, St. Andrews University, Scotland (Mar. 2000, p. 396)

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)

*9-12 **Third International Palestinian Conference on Mathematics and Mathematical Education**, Bethlehem University, Bethlehem, West Bank/Palestine. (Feb. 2000, p. 284)

Organizer: Palestinian Society for Mathematical Sciences.

Program: The focus of the conference will be recent developments in pure and applied mathematics and applications, and curriculum developments in undergraduate education. There will be special sessions on various topics, plenary talks, and contributed papers. Those interested in organizing a special session need to contact one of the organizers no later than February 1, 2000.

Call for Papers: A person wishing to present a paper in the conference may send an abstract together with the registration form to the organizing committee no later than May 1, 2000. Material may be submitted via e-mail or regular mail. Forms can be downloaded from the Internet: <http://www.birzeit.edu/conferences/mconf3/>.

Invited Main Speakers: D. Bshouty, Technion; M. Dahleh, Univ. of California-Santa Barbara; I. Ekeland, Univ. of Paris; S. K. Jain, Univ. of Ohio; G. Ladas, Univ. of Rhode Island; Z. Nashed, Univ. of Delaware; L. Raphael, Howard Univ.; K. Rubenstein, Technion; J. Shatah, New York Univ.; R. Wisbauer, Univ. of Dusseldorf.

Information Contacts: M. Saleh, Birzeit Univ., P.O. Box 14, Birzeit, Palestine; e-mail: msaleh@math.birzeit.edu; phone: 972-02-281-0166. M. Qumsiyeh, Bethlehem Univ., Bethlehem, Palestine; e-mail: qumsiyeh@bethlehem.edu; phone: office: (972)-02-274-1241, home: 972-02-277-2521. S. Elaydi, Trinity Univ., San Antonio, Texas; e-mail: selaydi@trinity.edu; phone: 210-999-8246. A. S. Elkhader, Northern State University, Aberdeen, South Dakota; e-mail: elkhadea@northern.edu; phone: 605-626-2432. E. Titi, Univ. of California-Irvine, Irvine, California; e-mail: etiti@math.uci.edu; home phone: 948-24-3156.

*9-13 **Pacific Rim Dynamical Systems Conference (DS00)**, Maui Marriott Resort, Lahaina, Maui, Hawaii.

Information: SIAM, Society for Industrial and Applied Mathematics, 3600 University City Science Center, Philadelphia, PA 19104; phone: 215-382-9800; fax 215-386-7999; e-mail: meetings@siam.org; Web: <http://www.siam.org/meetings/>.

16-19 **12th Canadian Conference on Computational Geometry**, University of New Brunswick, Fredericton, New Brunswick, Canada. (May 2000, p. 595)

17-September 2 **Laboratory of Applied Mathematics, Thirtieth International Probability School**, Saint-Flour Cantal, France. (May 2000, p. 595)

19-25 **Discrete and Algorithmic Geometry**, Anogia, Crete, Greece. (Mar. 2000, p. 397)

21 **Geometric and Topological Methods in Concurrency Theory, A Satellite to CONCUR '2000**, Pennsylvania State University, State College, Pennsylvania. (Apr. 2000, p. 502)

21-24 **International Conference on Geometry, Analysis, and Applications (In Honor of Late Professor V. K. Patodi)**, Banaras Hindu University, Varanasi, India. (Jan. 2000, p. 82)

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)

23-27 **Second International Conference on Deterministic and Stochastic Modeling of Biointeraction**, West Lafayette, Indiana. (Apr. 2000, p. 502)

*24-26 **Lehmer Conference: A Conference on Number Theory Honoring the Lehmers for Their Contributions to Mathematics and to U. C. Berkeley**, University of California at Berkeley, California.

Description: A three-day conference covering the range of the Lehmers' mathematical interests, number theory in particular. In addition to the lectures there will be a banquet and a display of all the sieves built by D. H. Lehmer over four decades, including the bicycle-chain sieve of 1927, which is expected to be operational.

Speakers: M. Bennett, D. Boyd, J. Brillhart, R. Graham, A. Lenstra, K. Ono, C. Pomerance, J. Selfridge, D. Singmaster, H. Stark, H. Williams, K. Williams.

Organizers: J. Brillhart, R. Graham, H. W. Lenstra Jr., B. Poonen, H. Williams.

Information: <http://www.math.berkeley.edu/lehmer.html>.

27-September 1 (NEW DATE) **Ninth Summer St. Petersburg Meeting in Mathematical Analysis**, Euler International Mathematical Institute, St. Petersburg, Russia. (Mar. 2000, p. 393)

September 2000

September 2000-January 2001 **Infinite Dimensional Lie Theory and Its Applications Program**, Toronto, Canada. (Apr. 2000, p. 502)

September 2000-June 2001 **Mathematical Logic**, Mittag-Leffler Institute, Djursholm, Sweden. (Feb. 2000, p. 285)

3-6 **EMPG 2000 - 31st European Mathematical Psychology Group Meeting**, Graz, Austria. (May 2000, p. 502)

3-10 **Noncommutative Geometry**, Martina Franca, Taranto, Italy. (Feb. 2000, p. 285)

4-6 **BEM 22 — 22nd International Conference on the Boundary Element Method**, New Hall, Cambridge University, UK (Mar. 2000, p. 397)

*4-6 **Ninth Mathematics of Surfaces**, Cambridge, UK.

Information: Pamela Bye, Conference Officer, The Institute of Mathematics and Its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF; tel: (01702) 354020; fax: (01702) 354111; e-mail: conferences@ima.org.uk; Web: <http://www.ima.org.uk/>.

* 4-7 **Undergraduate Mathematics Teaching Conference**, Sheffield-Hallam University, Sheffield, UK.

Program: The Undergraduate Mathematics Teaching Conference is a working conference that provides an opportunity for lecturers and others interested in mathematics in higher education to share ideas concerning undergraduate teaching, learning, and assessment. Much of the conference is spent in small groups working on briefs relating to undergraduate mathematics. Each group produces a report comprising examples, relevant arguments, and recommendations. The reports are refereed by, and incorporate critical feedback from, other groups and form the major part of the published proceedings.

Workshop Topics: Supporting the Professional Development of Mathematics Lecturers, Use of the Internet in Teaching Mathematics, Innovations in Teaching Discrete Mathematics, What Use Might Mathematics Education Research Be to University Mathematics Teachers? Attracting Students to Mathematics.

Speakers: This year the speakers are S. Singh, television producer and author of *Fermat's Last Theorem* and *The Code Book*; and R. P. Burn, professor of mathematics education.

Presentations and Posters: Delegates are invited to contribute to a presentation session where issues relevant to all aspects of undergraduate mathematics may be aired. Delegates are also welcome to bring posters. Abstracts of presentations will be published in the proceedings.

Information and Registration: Visit our Web site at <http://www.hull.ac.uk/mathskills/umtc/umtc00/> or contact D. Emery, Conference Chair, UMTC 2000, at D. J. Emery@staffs.ac.uk.

* 4-10 **Multiscale Problems in Science and Technology. Challenges to Mathematical Analysis and Perspectives**, Inter-University Centre, Dubrovnik, Croatia.

Organizing Committee: N. Antonić (Univ. of Zagreb), V. Capasso (Univ. di Milano), C. J. van Duijn (CWI Amsterdam), W. Jäger (Univ. Heidelberg), A. Mikić (Univ. Claude Bernard Lyon 1).

Confirmed Invited Speakers: B. Engquist (UCLA, Los Angeles), I. Fonseca (Carnegie-Mellon, Pittsburgh), H. Kinzelbach (Int. Th. Physics, Univ. Heidelberg), P. Knabner (Univ. Erlangen), S. Luckhaus (Univ. Leipzig), A. Piatniski (Lebedev Institute, Moscow), M. Primicerio (Univ. degli Studi di Firenze), R. Robert (Institut Fourier, Grenoble), C. Schwab (ETH Zürich), B. Schweizer (Univ. Heidelberg), L. Tartar (Carnegie-Mellon, Pittsburgh), R. Wehrse (Astrophysik, Heidelberg), and V. Zhikov (Univ. of Vladimir).

Information: On contributed talks, registration, financial possibilities for graduate students, social program, accommodations, and other details may be obtained from our WWW page at <http://numerix.univ-lyon1.fr/~andro/dubrovnik.html> or <http://www.math.hr/~nenad/multiscales2000/>.

4-15 **Spatial Structures in Biology and Ecology: Models and Methods**, Taranto, Italy. (May 2000, p. 595)

* 5-7 **Third Quantitative Modelling in the Management of Health Care**, University of Salford, UK.

Information: Pamela Bye, Conference Officer, The Institute of Mathematics and Its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF; tel: (01702) 354020; fax: (01702) 354111; e-mail: conferences@ima.org.uk; Web: <http://www.ima.org.uk/>.

5-8 **Brno Colloquium on Differential and Difference Equations**, Masaryk University in Brno, Czech Republic. (May 2000, p. 595)

5-16 **Advanced Course on Algebraic Quantum Groups**, Centre de Recerca Matemàtica, Campus of the Universitat Autònoma de Barcelona, Bellaterra, Spain. (Jan. 2000, p. 82)

8-10 **IMA Career Workshop: Connecting Women in Mathematical Sciences to Industry**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 397)

11-15 **IMA Short Course: Markov Processes and Markov Random Fields, Information Theory, Statistical Estimation**, IMA, University

of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 397)

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)

* 12-15 **Short Course and Third Imaging and Digital Image Processing: Mathematical Methods, Algorithms and Applications**, De Montfort University, Leicester, UK.

Information: Pamela Bye, Conference Officer, The Institute of Mathematics and Its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF; tel: (01702) 354020; fax: (01702) 354111; e-mail: conferences@ima.org.uk; Web: <http://www.ima.org.uk/>.

* 12-16 **Second International Boundary Integral Methods: Theory and Applications**, University of Bath, UK.

Information: Pamela Bye, Conference Officer, The Institute of Mathematics and Its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF; tel: (01702) 354020; fax: (01702) 354111; e-mail: conferences@ima.org.uk; Web: <http://www.ima.org.uk/>.

13-15 **7th DIMACS Implementation Challenge: Semidefinite and Related Optimization Problems**, DIMACS Center, Rutgers University, Piscataway, New Jersey. (May 2000, p. 595)

* 14-15 **An Interdisciplinary Workshop on Innovative Boundary Element Techniques in Computational Acoustics and Electromagnetics**, University of Bath, UK.

Information: Pamela Bye, Conference Officer, The Institute of Mathematics and Its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF; tel: (01702) 354020; fax: (01702) 354111; e-mail: conferences@ima.org.uk; Web: <http://www.ima.org.uk/>.

15-17 **Homogenization and Materials Science**, University of Akron, Akron, Ohio. (Mar. 2000, p. 397)

18-22 **IMA Workshop 1: Mathematical Foundations of Speech Processing and Recognition**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 397)

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)

* 19-22 **Short Course and First Fractal Geometry: Mathematical Techniques, Algorithms and Applications**, De Montfort University, Leicester, UK.

Information: Pamela Bye, Conference Officer, The Institute of Mathematics and Its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF; tel: (01702) 354020; fax: (01702) 354111; e-mail: conferences@ima.org.uk; Web: <http://www.ima.org.uk/>.

* 22-23 **International Colloquium on Mathematics and Art**, Maugebeuge, France.

Aims: (1) To allow artists to present their works inspired by math and/or using math. (2) To permit mathematicians to present and to discuss some works that can inspire mathematics (tilings, all kinds of surfaces and topological objects, trajectories). (3) To debate the use of art as a tool to help the teaching of mathematics, and to compare experiences and projects.

Advisory Committee: R. Brown (Bangor), J. Bochnak (Amsterdam), C. P. Bruter (Paris 11), M. Chaves (Porto), M. Emmer (Roma 1), T. C. Kuo (Sydney), R. Palais (Brandeis), V. Poenaru (Paris 11).

Information: Contact C. P. Bruter, fax: 01 60 92 51 43, e-mail: bruter@univ-paris12.fr.

22-23 **Ordinary Differential Equations: A Meeting in Honor of Tony Zettl**, Northern Illinois University, DeKalb, Illinois. (Apr. 2000, p. 502)

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.

* 22-24 **Midwest Dynamical Systems Seminar 30th Anniversary Meeting**, University of Cincinnati, Cincinnati, Ohio.

Program: The meeting will include talks on both current results in dynamics and on the contributions of the MWDS seminar to the development of dynamical systems in the last thirty years.

Sponsors: National Science Foundation and Charles Phelps Taft Memorial Fund.

Organizers: S. Dumas, C. McCord, P. McSwiggen, K. Meyer.

Information: <http://math.uc.edu/mwds/>, chris.mccord@uc.edu.

22-27 **Geometry, Analysis and Mathematical Physics**, San Feliu de Guixols, Spain. (May 2000, p. 596)

* 22-27 **Number Theory and Arithmetical Geometry (Motives and Arithmetics)**, Obernai, France.

Organizers: U. Jannsen, chairman (Regensburg, Germany); A. J. Scholl, vice-chairman (Durham, UK); organized in association with EMS and with support from INTAS.

Speakers: (Provisional list) J. Coates (Cambridge, UK); A. Corti (Cambridge, UK); C. Deninger (Münster, Germany); A. Huber-Klawitter (Münster, Germany); J.-M. Fontaine (Orsay, France); B. Kahn (Paris, France); M. Levine (Boston, USA); Y. I. Manin (Bonn, Germany); J. S. Milne (Ann Arbor, USA); S. Saito (Tokyo, Japan); C. Soulé (Bures-sur-Yvette, France); V. Voevodsky (Princeton, USA); J.-P. Wintenberger (Strasbourg, France).

Evisaged Topics: Algebraic cycles and K -theory, categories and motives, calculations of motives, motivic cohomology, motivic Galois groups, motivic integration, links with automorphic forms, links with L -functions.

Participation: The conference is open to researchers worldwide, whether from industry or academia. Participation will be limited to 100. The emphasis will be on discussion about new developments. The conference fee covers registration, full board and lodging. Grants will be available for younger scientists, in particular those from less favoured regions in Europe. Limited funding for participants from Central and Eastern Europe is also available.

Deadline: May 2000.

Information: For information and application forms, contact the head of the EURESCO Unit: J. Hendekovic, European Science Foundation, 1 quai Lezay-Marnésia, 67080 Strasbourg Cedex, France; tel. +33 388 76 71 35; fax. +33 388 36 69 87; e-mail: euresco@esf.org; <http://www.esf.org/euresco/>.

22-28 **4th International Conference on Functional Analysis and Approximation Theory (4th FAAT)**, Acquafrèdda di Maratea, Potenza, Italy. (Apr. 2000, p. 502)

25-27 **The Third International Workshop on Automated Deduction in Geometry**, ETH, Zurich, Switzerland. (Feb. 2000, p. 285)

26-30 **XI Biannual Conference of ECMI - The European Consortium for Mathematics for Industry**, Villaggio Torre Normanna, Altavilla Milicia Palermo, Italy. (May 2000, p. 596)

* 27-October 3 **MOGRAN 2000: Modern Group Analysis for the New Millennium**, Ufa State Aviation Technical University, Ufa, Russia.

Main Topics: Classical symmetries, invariant solutions and group classification; Equivalence transformations and their invariants; New trends in group analysis; Boundary value problems; Fluid mechanics and industrial modelling.

Scientific Committee: N. H. Ibragimov (South Africa), chairman; V. A. Baikov (Russia), Y. Choquet-Bruchat (France), V. A. Dorodnitsyn (Russia), R. K. Gazizov (Russia), S. V. Khabirov (Russia), F. M. Mahomed (South Africa), S. V. Meleshko (Thailand), R. I. Nigmatulin (Russia), L. V. Ovsyannikov (Russia), A. Qadir (Pakistan), M. Torrisi (Italy).

Organizing Committee: S. T. Kusimov, chairman; I. Sh. Akhatov; V. A. Baikov; R. K. Gazizov; N. H. Ibragimov; B. G. Il'yasov; V. F. Kovalev; V. V. Napalkov; V. S. Zhernakov; A. V. Gladkov, secretary.

Information and Registration: The registration fee is U.S. \$200 (and for accompanying person(s) an extra \$50 per person). It can be paid by a banker's draft to the account of Sotsinvestbank, ul. Tsurupa 5, 450002 Ufa, Russia; Swift - CSIBRU4U, TLX - 162119, AVIS RU, CHIPS - 321986, with Chase Manhattan Bank, New York, USA, in favour of Ufa State Aviation Technical University with the remark "The registration fee of (surname) for MOGRAN 2000". The registration fee should be paid no later than July 5; otherwise it will be increased to \$250. Conference address: R. K. Gazizov, Dept. of Mathematics, Ufa State Aviation Technical University, 12 K. Marx Str., Ufa 450000, Russia; fax: (+7) (3472) 222 918; phone: (+7) (3472) 237 735; e-mail: mogran2000@math.ugatu.ac.ru.

* 29-30 **International Colloquium on the Applications of Mathematics, in Memory of Lothar Collatz**, University of Hamburg, Hamburg, Germany.

Aim: The colloquium is part of a series of colloquia held to honor the memory of Lothar Collatz. For the sixth time the Department of Mathematics (formerly the Institute for Applied Mathematics) is carrying out an International Colloquium on the Applications of Mathematics. The conference language is English.

Organizers: G. Opfer (Chair), I. Gasser, U. Grothkopf, H. J. Oberle, K. Taubert.

Speakers: P. E. Gill (San Diego), H. J. Pesch (Bayreuth), U. van Rienen (Rostock), T. Sonar (Braunschweig), H. Troger (Wien), H. Yserentant (Tübingen).

Deadlines: September 1, 2000, for registration.

Information: gasser@math.uni-hamburg.de.

* 29-30 **"Mathematical Pictures That Are Worth a Thousand Words", The Twenty-Eighth Annual Mathematics and Statistics Conference at Miami University**, Miami University, Oxford, Ohio.

Principal Speakers: G. Francis, Univ. of Illinois; S. Wagon, Macalester College; R. Nelsen, Lewis and Clark College.

Call for Papers: Contributed paper sessions are being planned for both Friday and Saturday, and a poster gallery is contemplated. Authors wishing to contribute a poster and/or a 10- or 20-minute paper consistent with the theme of the conference should submit an abstract by September 1, 2000. Authors are encouraged to submit a mathematical picture (together with the title of the paper or poster) in lieu of a traditional abstract. Conference Directors: T. Farmer (farmerta@muohio.edu) and F. Gass (gassfs@muohio.edu). Send abstract or request for information to: R. Nichols, Dept. of Mathematics and Statistics, Miami University, Oxford, OH 45056; tel: (513) 529-1952; e-mail: nicholrw@muohio.edu; fax: (513) 529-1493.

Information: Conference programs with information concerning preregistration and housing will be available after August 1, 2000. Also see our Web site, <http://www.muohio.edu/mathstat/conf.html>.

October 2000

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

Sponsor: The conference is endorsed as one of the 2000 activities of the Technomathematics Research Foundation, Kolhapur (TMRF), India.

Main Topics: Algebraic methods relevant to all domains concerned with computer, intelligent systems, and communications. The scope includes, but is not limited to, robotics, VLSI technology, signal processing, coding, term specification, theorem proving, symbolic

software, knowledge engineering, logic, functional languages, and artificial intelligence methodologies.

Invited Speakers: J. Calmet (Karlsruhe, Germany): (1) Integration of Deduction and Computation, (2) On the Specification of Computer Algebra Systems; K. Geddes (Waterloo, Canada): (1) Algorithms for Indefinite and Definite Integration in Maple, (2) Hybrid Symbolic-Numeric Methods Applied to Definite Integrals and ODEs; G. Chaitin (IBM, USA): (1) Using Mathematica to Exhibit Randomness in Arithmetic, (2) How to Run Algorithmic Information Theory on the Computer.

Important Dates: Deadline for registration: 30 July 2000; Deadline for paper submission: 15 June 2000; Notification of acceptance: 15 July 2000; Camera-ready copy due: 30 July 2000.

Contact Address: ISACA 2000 (R. A. Akerkar); c/o TMRF, 204/17, New Shahupuri, Kolhapur 416001, India; tel: 0091-231-654522; e-mail: tmrf@pn3.vsnl.net.in.

Information: For more information please visit us at <http://tmrf.homepage.com/isaca.html>.

7-10 International Conference on the Mathematical Modeling and Computational Experiments (ICMMCE), Dushanbe, Tajikistan. (Jan. 2000, p. 82)

*8-13 **IEEE Visualization 2000**, Salt Lake City, Utah.

Description: Visualization is a vital research and applications frontier shared by a variety of scientific, medical, engineering, business, and entertainment fields. IEEE Visualization 2000 focuses on interdisciplinary methods and collaboration among developers and users of visualization methods across all of science, engineering, medicine, and commerce. Sunday through Tuesday of conference week will include tutorials, symposia, and miniworkshops. Papers, panels, case studies, and works in progress will be presented Wednesday through Friday. You are invited to participate in IEEE Visualization 2000 by submitting your original research through papers, panels, case studies, work in progress, and demonstrations. Share your perspectives through panels and workshops or your experience through tutorials. Please select the forum appropriate to your submission, where it will be considered by your peers for presentation. Particular focus on volume visualization and information visualization are addressed in special two-day symposia.

Sponsors: IEEE Computer Society Technical Committee on Visualization and Graphics in cooperation with ACM/SIGGRAPH.

Information: For further information on the conference or symposia contact: C. Hansen, conference co-chair, Univ. of Utah, 801-581-3154, fax: 801-581-5843, hansen@cs.utah.edu; C. Johnson, conference co-chair, Univ. of Utah, 801-581-7705, fax: 801-585-6513, crj@cs.utah.edu; or S. Bryson, conference co-chair, NASA Ames Research Center, 650-604-4524, fax: 650-604-3957, bryson@nas.nasa.gov. See the conference Web page for complete up-to-date information at <http://www.erc.msstate.edu/vis2000/>.

11-14 **IMA Mini-Symposium: Brain Imaging**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 398)

*13-14 **Midwest History of Mathematics Conference**, Northern Kentucky University, Highland Heights, Kentucky.

Information and Call for Papers: Kim Plofker of Brown University, an expert in the mathematics and astronomy of ancient and medieval India, will give the keynote address. The conference will be hosted by Northern Kentucky University at a site convenient to the Greater Cincinnati Airport.

Twenty-minute contributed talks on any topic in the history of mathematics are being solicited, with the possibility that the resulting papers will be published in a conference proceedings volume. Titles and abstracts, along with the speaker's name address, affiliation, and e-mail address, should be submitted for consideration by July 14, 2000, to: D. J. Curtin, Dept. of Math. and Comp. Sci., Northern Kentucky Univ., Highland Heights, KY 41099; curtin@nku.edu.

16-20 **IMA Workshop 2: Image Processing and Low Level Vision**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000,

p. 398)

19 **Fargo Preconference Workshop on BVPs and Oscillation Theory for Differential Equations on Measure Chains**, North Dakota State University, Fargo, North Dakota. (May 2000, p. 596)

*19 **MathML and Math on the Web**, University of Illinois at Urbana-Champaign, Urbana, Illinois.

Description: Hands-on tutorial session preceding conference. See <http://www.mathml/conference.org/>.

19-21 **Midwest Differential Equation Conference on Differential and Difference Equations**, Concordia College, Moodhead, MN. (Mar. 2000, p. 398)

*20-21 [Tutorial session October 19] **MathML and Math on the Web**, University of Illinois at Urbana-Champaign, Urbana, Illinois.

Description: The conference will present current research and applications involving MathML, an XML application for describing mathematical notation and capturing both its structure and its content. The primary goal of MathML is to enable mathematics to be served, received, and processed on the World Wide Web, just as HTML has enabled this functionality for text. On the afternoon of October 19 a hands-on tutorial session is being offered.

Submission of Abstracts: Authors are requested to submit abstracts of their proposed talks by e-mail to submissions@mathmlconference.org. The deadline for submission of abstracts is June 2, 2000. Notification of acceptances will be sent out by June 23, 2000.

Sponsors: "MathML and Math on the Web" is being sponsored by Wolfram Research, IBM, the American Mathematical Society (AMS), Waterloo Maple, and the World Wide Web Consortium (W3C).

Information: Additional conference details and submission guidelines are available at <http://www.mathmlconference.org/>.

*20-22 **KMS International Conference 2000: Mathematics in the New Millennium**, Yonsei University, Seoul, Korea.

Focus: This conference will be held in conjunction with the 2000 annual meeting of the Korean Mathematical Society. The aim of this conference is to celebrate the World Mathematical Year 2000 and to discuss the perspectives of mathematics in the new millennium.

Program: This conference will consist of five special sessions: Algebra, Analysis, Topology and Geometry, Probability Theory and Statistics, Applied Mathematics and Computational Mathematics.

Principal Invited Speakers: J. -L. Chabert (Univ. of Picardie, France), D. Christodoulou (Princeton Univ.), J. Douglas Jr. (Purdue Univ.), C. Gordon (Dartmouth College), C. C. Heyde (Columbia Univ.), P. Igodt (Katholieke Univ. Leuven-Kortrijk, Belgium), A. Kono (Kyoto Univ., Japan), K. B. Lee (Univ. of Oklahoma), A. V. Melnikov (V. A. Steklov Inst. of Math., Russia), R. Nedela (Matej Bel Univ., Slovakia), G. Pisier (Texas A&M Univ. and Univ. Paris IV, France), C. E. Praeger (Univ. of Western Australia), J. -Y. Shao (Tongji Univ., P. R. China), T. Takine (Kyoto Univ., Japan), M. L. Teply (Univ. of Wisconsin, Milwaukee), G. Uhlmann (Univ. of Washington).

Contributed Talks: There will be opportunities for contributed talks of 15-20 minutes in the five special sessions listed above. Those participants wishing to give talks should submit by e-mail extended abstracts of 1-2 pages written in TeX to D. M. Chung, kms@kms.or.kr, by June 1, 2000. Notification of acceptance will be given by June 20, 2000.

Contact: D. M. Chung, kms@kms.or.kr.

Information: <http://www.kms.or.kr/>.

*20-22 **One Hundred Years of L'Enseignement Mathématique: Moments of Mathematics Education in the 20th Century**, Geneva, Switzerland.

Organizers: Organized jointly by ICMI and the University of Geneva as a contribution to the celebration of the World Mathematical Year 2000, this symposium will take place in Geneva, the home of the journal since its birth.

Program: On the occasion of the centennial of the journal, it was felt appropriate to hold a symposium with the aims of looking at the evolution of mathematics education over the last century

and identifying some guidelines and trends for the future, taking into account, among other sources, the documents, debates, and related papers that have appeared in *L'Enseignement Mathématique*. The program of the symposium is based on a series of invited talks. Among the themes are: issues in mathematics education at the time the journal was born; evolutions and permanences in the needs, practices, and issues in the teaching of geometry, analysis, and applications of mathematics over the last century; stakes in mathematics education yesterday, today, and tomorrow. Ample time will be devoted during the symposium to collective discussions on the themes presented in the talks. More information about the program can be obtained on the ICMI Web site, <http://elib.zib.de/IMU/ICMI/>.

Program Committee: D. Coray (Switzerland), F. Furinghetti (Italy), H. Gispert (France), B. R. Hodgson (Canada), and G. Schubring (Germany).

Information: The philosophy of discussions and personal exchanges underlying this symposium imposes a limitation on the number of participants. People interested in the symposium are thus requested to contact the local organizing committee at the address below as soon as possible, preferably prior to July 15. There will be no registration fee, but very little financial support is available. Hence foreign participants are expected to cover their travel and local expenses by themselves or through their home institutions. Information about local facilities (hotels, etc.) can be obtained from the local organizing committee. Contact: Local Organizing Committee, Symposium EM-ICMI, Case postale 240, CH-1211 Genève 24, Suisse; e-mail: EM-ICMI EnsMath@math.unige.ch.

23–25 **Third International Conference on Applied Mathematics and Engineering Sciences**, Ecole Hassania des Travaux Publics, Casablanca, Morocco. (Dec. 1999, p. 1436)

* 23–26 **Seventh SIAM Conference on Applied Linear Algebra (LA00)**, McKimmon Conference Center, North Carolina State University, Raleigh, North Carolina.

Information: SIAM, Society for Industrial and Applied Mathematics, 3600 University City Science Center, Philadelphia, PA 19104; phone: 215-382-9800; fax 215-386-7999; e-mail: meetings@siam.org; Web: <http://www.siam.org/meetings/>.

23–27 **Third Asian Mathematical Conference (AMC2000)**, Manila, Philippines. (Dec. 1999, p. 1436)

* 30–November 2 **International Conference Dedicated to M. A. Lavrentyev on the Occasion of His Birthday Centenary**, Kiev, Ukraine.

Description: The Ukrainian Mathematical Society and the Institute of Mathematics of NASU will organize the international conference dedicated to the outstanding mathematician and mechanic, academician Mikhail Alekseyevich Lavrentyev (1900–1980) on the occasion of his birthday centenary. The program of the conference will consist of invited plenary lectures and section talks, short communications, and poster sessions. Main topics of the conference will be concentrated around scientific traditions of M. A. Lavrentyev, including complex analysis, geometric and constructive function theory, quasiconformal mappings, potential theory and partial differential equations, theoretic and applied mechanics, and related fields of science.

Deadlines: The completed registration form containing the title of the communication should be submitted to the e-address lavrconf@imath.kiev.ua by March 30, 2000. The 1-page abstract in LaTeX must be submitted by May 15, 2000, at the same e-address.

Information: <http://www.imath.kiev.ua/lavrconf.htm> and in the Second Announcement in April.

30–November 3 **Clifford Analysis and Its Applications**, Conference Center of Charles University, Praha, Czech Republic. (Apr. 2000, p. 502)

30–November 3 **IMA Workshop 3: Mathematical Foundations of Natural Language Modeling**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 398)

* 30–November 4 **Evolution Equations 2000: Applications to Physics, Industry, Life Sciences and Economics**, Levico Terme (Trento), Italy.

Scope: This conference is the seventh of a series devoted to evolution equations. The purpose is to bring together experts in the field of evolution equations in order to discuss the state of the art of the theory and the specific applications to different classes of problems arising from applications.

Topics: Topics range from functional analytic methods for partial differential equations to specific problems arising in the applications, with particular emphasis on: nonlinear evolution equations, semigroup methods and partial differential equations, stochastic evolution equations, applications to mathematical physics and industry, applications to mathematical biology. The conference will be mainly organized in morning and afternoon sessions, but a poster session and opportunity for workshops will also be provided.

Lecturers: S. Albeverio, H. Amann, S. Anita, J. Antoniou, W. Arendt, J. P. Aubin, A. V. Balakrishnan, V. Barbu, P. W. Bates, C. Batty, Ph. Benilan, P. Cannarsa, J. Van Casteren, Ph. Clement, T. Coulhon, M. Crandall, G. Da Prato, M. Demuth, O. Diekmann, G. Dore, J. Escher, A. Favini, G. Goldstein, J. Goldstein, M. Gyllenberg, K. Hadeler, M. Iannelli, K. Kunish, M. Langlais, A. Lasota, Y. Latushkin, S. O. Londen, G. Lumer, V. P. Maslov, J. Milota, E. Mitidieri, R. Nagel, J. van Neerven, F. Neubrander, E. Obrecht, S. Oharu, B. de Pagter, I. Prigogine, J. Pruss, A. Pugliese, S. Romanelli, M. Rockner, W. Schappacher, B. W. Shultze, G. Simonett, J. Sprekels, Th. Sturm, K. Taira, L. Tubaro, A. Valli, V. Vespri, G. Webb, L. Weis, A. Visintin, Y. Zabczyk.

Sponsors: C.I.R.M. (Centro Internazionale per la Ricerca Matematica, Trento, Italy), I.N.D.A.M. (Istituto Nazionale di Alta Matematica, Roma, Italy), Mathematics Department of the University of Trento. The organizers have applied to the European Union for a contribution that will specifically support the participation of a number of highly promising young researchers.

Information: For further information and applications please contact: A. Micheletti, Secretary of CIRM, Centro Internazionale per la Ricerca Matematica, Istituto Trentino di Cultura, 38050 Povo (Trento); tel. +39-0461-881628; telefax +39-0461-810629; e-mail: michelet@science.unitn.it. Updates of this information will be available on the CIRM Web site, <http://alpha.science.unitn.it/cirm/>.

November 2000

1–3 **Workshop on Differential Algebra and Related Topics**, Rutgers University, Newark, New Jersey. (Apr. 2000, p. 503)

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.

* 7 **Credit Risk**, Bank of England, UK.

Information: Pamela Bye, Conference Officer, The Institute of Mathematics and Its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF; tel: (01702) 354020; fax: (01702) 354111; e-mail: conferences@ima.org.uk; Web: <http://www.ima.org.uk/>.

10 **Information Outlook 2000 Conference**, Australian National University, Canberra, Australia. (May 2000, p. 596)

13–17 **IMA Workshop 4: Image Analysis and High Level Vision Modeling**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 398)

* 22–25 **Japan Conference on Discrete and Computational Geometry 2000**, Tokai University, Tokyo, Japan.

Information: <http://gorogoro.cis.ibaraki.ac.jp/jcdc2000/>
Deadline: Deadline for submissions is July 31, 2000. The proceedings will be published in Lecture Notes in Computer Science (Springer).

* 27–December 1 **Foundations of Probability and Physics**, Växjö University, Sweden.

Focus: The main aim of this conference is to reconsider foundations of probability theory in connection with foundations of physics (quantum as well as statistical). The following problems will be discussed during the conference: (a) creation of the conventional probability theory: Kolmogorov's axiomatics, 1933; (b) creation of probabilistic foundations of quantum mechanics; (c) probability in statistical physics; (d) Einstein-Podolsky-Rosen paradox, Bell's inequality, locality, reality, probability; (e) quantum computers and information and probability; (f) paradoxes of probability theory (in particular, violations of the law of large numbers or ergodicity).

Organizers: L. Accardi (Univ. Rome-2, Italy), W. De Muynck (Univ. of Eindhoven, The Netherlands), T. Hida (Meijo University, Japan), A. Khrennikov (Växjö University, Sweden), V. Maximov (Belostok Univ., Poland).

Invited Speakers: S. Albeverio (Bonn Univ.), H. Atmanschpahr (Inst. of Psychology, Freiburg), L. Ballentine (Simon Fraser), J. Bricmont (FYMA), S. Gudder (Denver Univ.), A. Holevo (Steklov Math. Inst.), P. Lahti (Turku Univ.), T. Maudlin (Rutgers), A. Shimony (Boston Univ.).

Information: Conf. Web site: <http://www.msi.vxu.se/aktuellt/konferenser.html>. Abstract and application forms to: K.-O. Lindahl (Karl-01of.Lindahl@msi.vxu.se).

Deadline: October 1, 2000.

27–December 1 **Fourth International Conference on Monte Carlo and Quasi-Monte Carlo Methods in Scientific Computing**, Hong Kong Baptist University, Hong Kong SAR, China. (Apr. 2000, p. 503)

* 27–December 2 **Neural Information Processing Systems: Natural and Synthetic**, Denver, Colorado.

Description: An interdisciplinary conference bringing together scientists interested in all aspects of neural processing and computation.

Sponsor: NIPS Foundation.

Information: B. Van Roy (publicity chair): bvr@stanford.edu; <http://www.cs.cmu.edu/Web/Groups/NIPS/>.

Deadline: Submissions must be logged by midnight May 19, 2000.

December 2000

* 4–6 **Integration of Diverse Biological Data**, DIMACS Center, Rutgers University, Piscataway, New Jersey.

Sponsors: DIMACS Center.

Organizers: A. Califano, IBM, and C. Gilliam, Columbia Univ.

Short Description: This workshop will focus on combinatorial algorithms and probabilistic models for the analysis and cross-annotation of biological data in diverse databases. We will consider high-dimensional combinatorial algorithms and probabilistic models central to DM for the analysis, clustering, and classification of complex data patterns that can be used to integrate diverse information from many sources.

Contacts: A. Califano, IBM, acal@us.ibm.com.

Local Arrangements: J. Herold, DIMACS Center, jessicah@dimacs.rutgers.edu, 732-445-5928.

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

* 6–9 **International Conference on Analysis and Its Applications**, Meenakshi College for Women, Chennai, India.

Organizers: Organized by Meenakshi College for Women, Chennai, and Forum d'Analystes, Chennai.

Information: For more information and all correspondence contact: K. S. Lakshmi, International Conference on Analysis and Its Applications, Meenakshi College for Women, Kodambakkam, Chennai-4600 024, India; e-mail: krsks1@giasm01.vsnl.net.in, mcwks1@giasm01.vsnl.net.in.

11–15 **ATMGT2000, Algebraic and Topological Methods in Graph Theory**, University of Auckland, Auckland, New Zealand. (May 2000, p. 596)

* 18–20 **Fifth Mathematics in Signal Processing**, University of Warwick, UK.

Information: Pamela Bye, Conference Officer, The Institute of Mathematics and Its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF; tel: (01702) 354020; fax: (01702) 354111; e-mail: conferences@ima.org.uk; Web: <http://www.ima.org.uk/>.

20–22 **Mathematics and Computers in Biology and Chemistry (MCBC 2000)**, Montego Bay, Jamaica. (Apr. 2000, p. 503)

20–22 **Mathematics and Computers in Business and Economics (MCBE 2000)**, Montego Bay, Jamaica. (Apr. 2000, p. 503)

20–22 **Acoustics and Music: Theory and Applications (AMTA 2000)**, Montego Bay, Jamaica. (Apr. 2000, p. 503)

January 2001

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

January–June **Symplectic Topology, Geometry and Gauge Theory Program**, Toronto and Montreal, Canada. (Apr. 2000, p. 503)

* 4–8 **Second Pacific Rim Conference on Mathematics**, Institute of Mathematics, Academia Sinica, Taipei, R.O.C. (Taiwan). (Dec. 1999, p. 1436)

Conference Topics: This international conference focuses on the areas of combinatorics, computational mathematics, dynamical systems, integrable systems, mathematical physics, and nonlinear partial differential equations. Plenary speakers and special sessions with invited speakers in these areas will be featured. Contributed papers in any area of mathematics are welcome.

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

Plenary Speakers: I. Affleck (Univ. of British Columbia), L. C. Evans (Univ. of California, Berkeley), G. Fan (Academia Sinica-Beijing), J. Feldman (Univ. of British Columbia), S.-S. Lin (National Chiao Tung University), L. Simon (Stanford Univ.), S. Smale (City Univ. of Hong Kong), G. Strang (Massachusetts Institute of Technology), K. Takasaki (Kyoto Univ.), Y. Yamada (Kobe Univ.), Y. Yi (Georgia Institute of Technology), X. Zhu (National Sun Yat-Sen Univ.).

Information: Detailed information on registration, submission of abstracts (deadline: September 30, 2000), and accommodations can be obtained from: PRCM2001, Institute of Mathematics, Academia Sinica, Taipei 11529, R.O.C. (Taiwan); (886)-2-27823129, (886)-2-27851211, ext 351; fax: (886)-2-27827432; e-mail: prcm2001@math.sinica.edu.tw; WWW site: <http://www.sinica.edu.tw/math/html/conference/prcm2001/>. Additional information will be posted on this Web page as it becomes available.

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

17–19 **IMA Mini-Symposium: Fractals in Multimedia**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 398)

25–26 **IMA Tutorial: Digital Libraries**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 398)

* 29–31 **International Conference on Mathematical Modelling**, University of Roorkee, Roorkee, India.

Topics: Papers on modelling in all aspects of the sciences, engineering, and industry, with adequate mathematical input through analytical/numerical techniques, are invited. Broad themes of the conference include: engineering sciences, industrial mathematics, theoretical physics, energy resources, biomedical systems, economic problems, ecology and environmental sciences.

Submission Schedule: Abstract submission: June 20, 2000; Preliminary acceptance: August 20, 2000; Receipt of full-length paper: November 20, 2000.

Language: The official language of the conference is English.

Information: Information about the conference can be obtained from: S. K. Dey, Dept. of Math., Eastern Illinois Univ., Charleston, IL; tel: 217-581-5729 or 217-581-6284; e-mail: cfskd@eiu.edu. Organizing Secretary (in India): V. K. Katiyar, Dept. of Math., Univ. of Roorkee, Roorkee-247 667, India; tel: +91 1332-85085 (O) or +91 1332-85268, 71791 (R); fax: +91 1332-73560; e-mail: vktmafma@rurkiu.ernet.in.

29-February 2 **IMA Workshop 5: Digital Libraries: Data Modeling and Representation**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 398)

February 2001

3-7 **ANZIAM2001 (Australian and New Zealand Industrial and Applied Mathematics)**, Barossa Valley Resort, South Australia, Australia. (May 2000, p. 596)

12-16 **IMA Workshop 6A: Digital Libraries: Digital Asset Management**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 398)

19-23 **New Trends in Potential Theory and Applications**, University of Bielefeld, Bielefeld, Germany.

26-March 2 **IMA Workshop 6B: Digital Libraries: Classification, Retrieval and Visualization**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 398)

March 2001

8-10 **Seminar on Stochastic Processes 2001**, The University of Florida, Gainesville, Florida. (May 2000, p. 596)

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

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

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

Abstract: This conference deals with a broad spectrum of the theory of quadratic forms, including algebraic theory, arithmetic theory, K-theory and algebraic groups. There will be approximately eight 1-hour survey lectures and sessions for contributed talks by the participants.

Main Speakers: J. Arason (Reykjavik), E. Bayer-Fluckiger (Besançon), A. Dress (Bielefeld), J. Hsia (Ohio State), A. Pfister (Mainz), M. Rost (Ohio State), U. Rehmann (Bielefeld), J.-P. Tignol (Louvain-la-Neuve).

Organizers: J. W. Hoffman, J. Hurrelbrink, J. Morales, R. Perlis, P. van Wamelen.

Information: Conference e-mail: qforms@math.lsu.edu; conference Web page: <http://www.math.lsu.edu/~qforms/>.

*27-29 **Third Spatial Patterns in Permeable Rocks**, Churchill College, Cambridge, UK.

Information: Pamela Bye, Conference Officer, The Institute of Mathematics and Its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF; tel: (01702) 354020; fax: (01702) 354111; e-mail: conferences@ima.org.uk; Web: <http://www.ima.org.uk/>.

April 2001

*9-11 **Fourth Modelling in Industrial Maintenance and Reliability**, University of Salford, UK.

Information: Pamela Bye, Conference Officer, The Institute of Mathematics and Its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF; tel: (01702) 354020; fax: (01702) 354111; e-mail: conferences@ima.org.uk; Web: <http://www.ima.org.uk/>.

9-13 **Joint IDR-IMA Workshop: Ideal Data Representation**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 398)

19-20 **IMA Tutorial: Geometric Design**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 398)

23-27 **IMA Workshop 7: Geometric Design**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 399)

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.

May 2001

10-11 **IMA Tutorial: Computer Graphics**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 399)

14-18 **IMA Workshop 8: Computer Graphics**, IMA, University of Minnesota, Minneapolis, Minnesota. (Mar. 2000, p. 399)

*20-24 **Sixth SIAM Conference on Applications of Dynamical Systems (DS01)**, Snowbird Ski and Summer Resort, Snowbird, Utah.

Information: SIAM, Society for Industrial and Applied Mathematics, 3600 University City Science Center, Philadelphia, PA 19104; phone: 215-382-9800; fax 215-386-7999; e-mail: meetings@siam.org; Web: <http://www.siam.org/meetings/>.

June 2001

*6-10 **The 3rd International Conference on Mathematical Biology**, Guilin, China.

Organizer: The National Mathematical Society of China.

Host: Guangxi Normal University, Guilin, China.

Suggested Topics: Mathematical ecology, bio-informatics, biometrics, quantity genetics.

Conference Language: English.

Information: M. Zhi (Deputy Director) or W. Wanxia (Assistant), Conference Secretariat, Office of International Exchanges, Guangxi Normal University, Guilin, 541001, China; tel: (0086) 773-2816350; fax: (0086) 773-2825850 or (0086) 773-5812383; e-mail: gxnu@public.glptt.gx.cn or waiban@mailbox.gxnu.edu.cn.

11-15 **IMA Workshop: Haptics, Virtual Reality and Human Computer Interaction** (Mar. 2000, p. 399), IMA, University of Minnesota, Minneapolis, Minnesota.

*23-29 **International Conference on Operator Theory and Its Applications, Dedicated to the Memory of Abraham V. Strauss**, Ulyanovsk, Russia.

Organizers: Organized by the Faculty of Physics and Mathematics and Teacher's Training State University of Ulyanovsk.

Local Organizing Committee: U. A. Grushevskii (chair), B. P. Gluhov (associate chair), A. N. Vernik, M. V. Chugunova.

International Program Committee: A. G. Ramm (Kansas State Univ., USA), H. Langer (Vienna Technical Univ., Austria), D. Alpay (Ben-Gurion Univ. of the Negev, Israel), H. de Snoo (Univ. of Groningen, Netherlands), V. A. Strauss (Simon Bolivar Univ., Venezuela), E. R. Tsekanovskii (Univ. of Missouri - Columbia, USA), V. Vinnikov (Weizmann Institute of Science, Israel).

Scope: A. V. Strauss (1920-1999) was an internationally recognized specialist in operator theory. The scope of the conference dedicated to his memory is broad and includes theory and applications.

Registration and Information: If you plan to take part in the conference, please send your C.V. and your address. Later we will send an invitation with more detailed information. Deadline for participation is January 10, 2001. Address: 432700, 4, 100-letija Lenina sq., Ulyanovsk, Russia; tel: +842-2-394-118; fax: +842-2-312-474; e-mail: ulgpu@mv.ru. Contact: V. Strauss, e-mail: str@usb.ve, fax: (58-2)9063278.

July 2001

*12-14 **Fifth SIAM Conference on Control and Its Applications (CT01)**, Town & Country Hotel, San Diego, California.

Information: SIAM, Society for Industrial and Applied Mathematics, 3600 University City Science Center, Philadelphia, PA 19104; phone: 215-382-9800; fax 215-386-7999; e-mail: meetings@siam.org; Web: <http://www.siam.org/meetings/>.

fax: (01702) 354111; e-mail: conferences@ima.org.uk; Web: <http://www.ima.org.uk/>.

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.

August 2001

- * 13-16 **Fourth SIAM Conference on Linear Algebra in Signals, Systems and Control (LASSC01)**, Boston Park Plaza Hotel, Boston, Massachusetts.

Information: SIAM, Society for Industrial and Applied Mathematics, 3600 University City Science Center, Philadelphia, PA 19104; phone: 215-382-9800; fax 215-386-7999; e-mail: meetings@siam.org; Web: <http://www.siam.org/meetings/>.

- * 15-20 **SRTL-2: The Second International Research Forum on Statistical Reasoning, Thinking, and Literacy**, University of New England, Armidale, Australia.

Hosts: The Centre for Cognition Research in Learning and Teaching and the School of Curriculum Studies in the University of New England, Armidale, Australia.

Information: C. Reading, Dept. of Curriculum Studies, University of New England, Armidale NSW 2351, Australia; phone: (02)-67735060; fax: (02)-67735078; e-mail: creading@metz.une.edu.au; Web site: <http://www.beeri.org.il/SRTL/>.

- * 27-31 **Equadiff 10, Czechoslovak International Conference on Differential Equations and Their Applications**, Prague, Czech Republic. (Apr. 2000, p. 502)

Honorary Presidents: I. Babuska, J. Kurzweil.

Information: Address of the conference: Equadiff, Mathematical Institute, Zitna 25, 115 67 Praha 1, Czech Rep.; tel: (+420 2) 22090734; fax: (+420 2) 22211638; <http://www.math.cas.cz/>; e-mail: equadiff@math.cas.cz.

September 2001

- * 4-7 **ECCOMAS 2001**, Swansea, UK.

Information: Pamela Bye, Conference Officer, The Institute of Mathematics and Its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF; tel: (01702) 354020; fax: (01702) 354111; e-mail: conferences@ima.org.uk; Web: <http://www.ima.org.uk/>.

- * 24-26 **ECCOMAS 2001**, Keble College, Oxford, UK.

Information: Pamela Bye, Conference Officer, The Institute of Mathematics and Its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF; tel: (01702) 354020; fax: (01702) 354111; e-mail: conferences@ima.org.uk; Web: <http://www.ima.org.uk/>.

November 2001

- * 5-8 **Seventh SIAM Conference on Geometric Design (SIAG/GD) (GD01)**, Holiday Inn Capitol Plaza Hotel, Sacramento, California.

Information: SIAM, Society for Industrial and Applied Mathematics, 3600 University City Science Center, Philadelphia, PA 19104; phone: 215-382-9800; fax 215-386-7999; e-mail: meetings@siam.org; Web: <http://www.siam.org/meetings/>.

December 2001

- * 17-19 **Eighth Cryptography and Coding**, Royal Agricultural College, Cirencester, UK.

Information: Pamela Bye, Conference Officer, The Institute of Mathematics and Its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex, SS1 1EF; tel: (01702) 354020;