

Mathematics Calendar

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

February 2001

- * 1–March 2 **CIRM Residential Session: Dynamical Systems, The Dynamic Odyssey (SD2001)**, Centre International de Rencontres Mathématiques, Marseille, France.

Aims: The purpose of SD2001 is to bring together researchers from various mathematical areas who share a common interest in dynamical systems, with openmindedness to interaction between different fields in- and outside the dynamical world. The main themes of SD2001 will be: Ergodic geometry, horocyclic and geodesic flows; Interval exchange transformations and higher dimensional generalizations; Polygonal billiards; Holomorphic dynamics in several variables; Adic systems from automata and number theory; Continued fractions and arithmetic applications; Group actions, multidimensional substitutions; Dynamical systems with sigma-finite preserving measures. The organizers hope that this first CIRM Residential Session meeting will encourage and stimulate further research on dynamical systems and stimulate collaboration between mathematicians and computer scientists.

The session is likely to be relevant to a wide range of people. There will be approximately fifteen permanent invited visitors during the session. There will be both survey lectures and workshops as well as conference lectures on latest research developments, with the remaining time used for informal discussions and joint cooperation.

Organizers: X. Bressaud, J.-Y. Briend, J. Cassaigne, P. Hubert, P. Liardet, J. Los, M. Lustig, C.-A. Pillet, S. Troubetzkoy, S. Vaienti.

Information: More information (program, speakers, etc.) is available on the SD2001 Web site, <http://www.cmi.univ-mrs.fr/sd2001/>.

- * 2–4 **International Conference on Special Functions and Their Applications**, Institute of Management & Development, Aligang,

Lucknow, India.

Organizer: Society for Special Functions and Their Applications (SSFA).

Information: Notice of confirmation of participation along with the registration fee may be sent to the local organizing secretary: K. Srinivasa Rao, Convenor Senior Professor, The Inst. of Math. Sci., C.I.T. Campus, Chennai 600 113, India; tel. +91 044 2351856 (off.), 4411347 (res.); e-mail: rao@imsc.ernet.in. S. Ahmad Ali, Local Organizing Secretary Head, Dept. of Math., Amiruddaula Islamia Degree College, Lucknow 226 001, India; tel. +91 0522 272139 (off.), 323905 (res); e-mail: aalii@usa.net.

- * 23–24 **2001 Conference on Applied Mathematics (CAM)**, University of Central Oklahoma, Edmond, OK.

Program: There will be concurrent sessions in Wavelets & Signal Processing, Dynamical Systems & Differential Equations, Applied Mathematics, and a student session.

Invited Addresses: The program will feature invited addresses by I. Daubechies, Princeton Univ., and M. Golubitsky, Univ. of Houston.

Organizers: J. Byrne (jbyrne@ucok.edu) and C. Simmons (cksimmons@ucok.edu), Univ. of Central Oklahoma.

Deadline: The deadline for submitting an abstract to give a talk is January 26, 2001.

For more information please contact one of the organizers or visit our Web site at <http://204.154.117.159/index.html>.

- * 23–24 **XVI Inter-University Seminar on Research in the Mathematical Sciences**, University of Puerto Rico, Humacao, Puerto Rico.

Description: a) A talk by J. Gallian, Univ. of Minnesota, Duluth, for students; b) a poster session for undergraduate and graduate stu-

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.)

dents; c) plenary talks by J. Gallian, and S. Landau, Sun Microsystems Laboratories; d) several parallel sessions of contributed talks in the general areas of pure and applied mathematics, computer science, statistics and mathematics education; d) exhibition booths with books, computers, and recruiters from universities with graduate programs.

Abstracts: Abstracts for contributed talks or posters should be sent by e-mail to sidim@cuhwww.upr.clu.edu in any one of the standard formats: TeX, LateX (preferred), MS Word, Word Perfect, etc., or on diskette to the following address: SIDIM 2001, Attn: Pablo V. Negrón, Department of Mathematics, University of Puerto Rico, Humacao, PR 00791-4300. The deadline for abstract submission is January 15, 2001.

Information: Further details and information about the activities (preliminary program, hotels, etc.) can be obtained from the SIDIM 2001 Web page at <http://cuhwww.upr.clu.edu/~sidim/>.

March 2001

*9–11 Around Dynamics, A Conference to Celebrate Jack Milnor's 70th Birthday, SUNY at Stony Brook, New York.

Confirmed Speakers: A. Douady, Y. Eliashberg, E. Ghys, M. Gromov, J. Kiwi, N. Makarov, M. Shishikura, Y. Sinai, J. Smillie, D. Sullivan, J. C. Yoccoz, S. Zakeri.

Contact Address: J. Fest, Institute for Math. Sciences, SUNY, Stony Brook, NY 11794; fax: 631-632-7631; e-mail: ims@math.sunysb.edu.

*10–13 2001 ASL Annual Meeting, Philadelphia, Pennsylvania.

Invited Speakers: J. Feigenbaum, H. Gaifman, J.-Y. Girard, W. Henson, D. Hirschfeldt, C. Jockusch, S. Kripke, S. Kuhlmann, J. C. Mitchell, E. Schimmerling, and P. Welch. A Retiring Presidential Address will be delivered by D. A. Martin, and the Twelfth Annual Gödel Lecture will also be given. There will be several Special Sessions on topics including Linear Logic, organized by M. Kanovich; Geometric Model Theory and Applications, organized by M. Laskowski and A. Pillay; Reverse Mathematics, organized by S. Simpson; and Large Cardinals, organized by E. Schimmerling and P. Welch.

Information: The official Web site for the meeting is <http://www.ircs.upenn.edu/asl2001/>.

*25–30 Sixth International Conference in Approximation and Optimization in the Caribbean, Guatemala City, Guatemala.

Information: We invite you to visit our Web site, <http://wpp.mathematik.hu-berlin.de/~kerger/tagungen/guatemala/apopt6.html>.

April 2001

*2–6 Finite Volume Upwind and Centred Methods for Hyperbolic Conservation Laws, Barcelona, Spain.

Lecturer: E. F. Toro, Obe.

Organizers: Numeritek Limited UK.

Topics: Basics on conservation laws and numerical methods; exact and approximate Riemann solvers, the upwind method of Godunov, MUSCL-Hancock, PLM, GRP and WAF; TVD methods. Approximate Riemann solvers include: Roe's method, Osher-Solomon, Harten-Lax-van Leer (HLL) and the HLLC variant; schemes for source terms and multidimensions. Special topics include: centred methods, nonconservative methods, ENO schemes, ADER schemes, griding approaches, implicit methods, application to multiphase flows. Full program available at <http://www.numeritek.com/>. Participants who will benefit from the course include: research scientists and engineers in industry, research laboratories, consultancy and academic organizations; postdoctoral research assistants and Ph.D. students; academics and scientists in managerial positions.

Information: Further details on the course will be mailed on request. Please send e-mail to: course@numeritek.com.

*2–6 International Conference on Mathematical Modeling and Scientific Computing, Middle East Technical University, Ankara, Selcuk University, Konya, Turkey.

Organizing Committee: F. Bornemann, Munich Univ. of Technology, Germany; H. Bulgak, Selcuk Univ., Konya, Turkey; V. Ganzha, Munich Univ. of Technology, Germany; B. Karasozen, METU, Ankara, Turkey; A. Sinan, Selcuk Univ., Konya, Turkey; C. Zenger, Munich Univ. of Technology, Germany.

Invited Speakers: J. Behrens, Munich Univ. of Technology, Germany; F. Bornemann, Munich Univ. of Technology, Germany; H. Bulgak, Selcuk Univ., Turkey; G. Demidenko, Novosibirsk, Russia; P. Deuffhard, Konrad Zuse Zentrum Berlin, Germany; F. Durst, The Friedrich Alexander Univ. Erlangen-Nuremberg, Germany; R. Fayzullin, Omsk Univ., Russia; V. Ganzha, Munich Univ. of Technology, Germany; M. Guenther, Technical Univ. Karlsruhe, Germany; R.H.W. Hoppe, Univ. of Augsburg, Germany; R. Korn, Univ. of Kaiserslautern, Germany; R. Liska, Czech Technical Univ. in Prague, Czech Republic; A. Meirmanov, Univ. da Beira Interior, Portugal; V. Vaskevitch, Novosibirsk, Russia; V. Yudovich, Rostov State Univ., Russia; C. Zenger, Munich Univ. of Technology, Germany.

Focus: The conference focuses on various aspects of mathematical modeling and scientific computing for solutions of modern problems of science and engineering. It aims, in particular, to foster cooperation among practitioners and theoreticians in this field. Another important aim of the conference is the creation and maintenance of contacts between scientists from Turkey and other countries in the field of scientific computing. During the conference a roundtable discussion will be organized on "Scientific Computing Graduate Study Programs". The meeting will cover all aspects of scientific computing and mathematical modeling: analysis of numerical methods; parallel algorithms and parallel computing; application of computational methods to engineering and various scientific disciplines; aspects of mathematical modeling in science, engineering, finance and economics.

Call for Papers: The program will consist of eight invited one-hour plenary lectures, contributed papers of 20 minutes each, and poster sessions. Authors are kindly invited to submit titles and abstracts related to the topics of the conference by February 15, 2001, using the conference Web page or via e-mail in LaTeX or TeX to either B. Karasozen, bulent@metu.edu.tr, or H. Bulgak, bulgk@selcuk.edu.tr.

Information: The Web page of the conference, <http://www.math.metu.edu.tr/~bulent/mmsci2001/index.htm>, contains up-to-date information, including electronic forms for submission of the abstracts of presentations.

*5–7 National Convention for Kappa Mu Epsilon, National Mathematics Honor Society, Washburn University, Topeka, Kansas.

Information: P. Costello, matcostello@acs.eku.edu.

*18–20 3rd Postgraduate Group Theory Conference 2001, Imperial College, London, UK.

Organizers: J. Fairley and A. Reuter.

Speakers: R. Carter and D. Segal.

Information: <http://www.ma.ic.ac.uk/~jtf98/pggtc2001/>.

*27–29 The Eleventh Midwest Geometry Conference, 2001, Wichita State University, Wichita, Kansas.

Program: Geometric analysis, geometry of complex domains, elliptic equations and their geometric applications, geometry and geodesics.

Main Speakers: M. Agranovsky, Bar Ilan Univ., Tel Aviv; J. P. D'Angelo, Univ. of Illinois Urbana-Champaign; L. Del Riego, Univ. Autonoma de San Luis Potosi, Mexico; R. Howard, Univ. of South Carolina; S. Helgason, MIT; S. G. Krantz, Washington Univ., St. Louis; F.-H. Lin, Courant Institute, NYU; S. Novikov, Univ. of Maryland, College Park; W. P. Ziemer, Indiana Univ., Bloomington.

Information: <http://www.math.twsu.edu/mgc2001/>.

*27–29 The Second DMJ/IMRN Conference, Duke University, Durham, North Carolina.

Sponsors: Duke University Press, the Mathematical Sciences Research Institute, the mathematics departments of Duke University and the University of North Carolina at Chapel Hill.

Organizers: R. Hain (Duke), J. Wahl (UNC).

Scientific Committee: R. Bryant (Duke), P. Sarnak (Princeton).

Speakers: J. Baik (Princeton), H. Bray (MIT), B. Conrad (Michigan), D. Gaitsgory (Harvard), A. Knutson (Berkeley), D. Kreimer (Mainz), P. Seidel (Palaiseau), W. Werner (Orsay).

Support: Subject to NSF funding, there will be support for young mathematicians to attend. Please send enquiries to: dmj-imrn@math.duke.edu.

Information: <http://www.math.duke.edu/conferences/dmj-imrn/>.

May 2001

* 3–5 2001 ASL Spring Meeting (with APA), Minneapolis, Minnesota.

Program: This will be a joint meeting with the Central Division of the American Philosophical Association during its annual meeting on May 3–5, 2001. The program chair of the ASL meeting is M. Detlefsen (detlefsen.1@nd.edu). There will be symposia on reverse mathematics and computability, history and philosophy of mathematics, formal methods in philosophy and proof theory, and constructivism.

Abstracts: Abstracts must be received by the deadline of January 26, 2001, at the new ASL business office: ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, NY 12604; fax: +1-845-437-7830; e-mail: asl@vassar.edu.

* 18–19 Fifth Mississippi State Conference on Differential Equations & Computational Simulations, Mississippi State University.

Organizers: Department of Mathematics and Statistics, and Engineering Research Center, Mississippi State University.

Co-Sponsors: *Electronic Journal of Differential Equations* and Institute for Mathematics and its Applications.

Principal Speakers: P. Bates, Brigham Young Univ.; C. Castillo-Chavez, Cornell Univ.; J. Goldstein, Univ. of Memphis; A. Ingraffea, Cornell Univ.; J. Keener, Univ. of Utah; D. Keyes, Old Dominion Univ.; H. Matano, Univ. of Tokyo; S. Menon, Georgia Inst. of Technology; W.-M. Ni, Univ. of Minnesota; G. Papanicolaou, Stanford Univ.; R. Varga, Kent State Univ.

Conference Banquet Speaker: G. M. Lyles, Advanced Space Transportation Program Manager, NASA Marshall Space Flight Center; Topic: “Highway to Space”.

Description: This interdisciplinary conference, held biannually, provides a joint forum where mathematicians, scientists, and engineers from academia and industry can exchange research ideas involving theoretical and applied developments in differential equations and computational simulations. In addition to the eleven principal lectures, there will be sessions of contributed talks. Reviewed manuscripts will be published as a special issue of the *Electronic Journal of Differential Equations*.

Abstracts: Abstracts for contributed papers should be submitted no later than March 31, 2001, through the conference Web site. Preregistration deadline is May 1, 2001.

Information: For further information on the conference organization, program, and submission of abstracts, visit the conference Web page at <http://www.msstate.edu/Dept/Math/conf.html>, or contact the program chair, Dr. J. Zhu, at jzhu@math.msstate.edu or the organizers: R. Shivaji, Dept. of Mathematics & Statistics, Mississippi State Univ., shivaji@ra.msstate.edu; tel: 662-325-3414; fax: 662-325-0005; or B. Soni, Engineering Research Center, Mississippi State Univ., bsoni@erc.msstate.edu; tel: 662-325-8278; fax: 662-325-7692.

June 2001

* 6–10 The 3rd International Conference on Mathematical Biology, Tajik State University, Dushanbe, Tajikistan.

Program: A report by M. Yunusi devoted to the mathematical model of populations with regard to time-age and space distributions. Also, protection of plants and rare biological population problems will be formulated and investigated.

* 14–21 Graphs and Patterns in Mathematics and Theoretical Physics, A Conference to Celebrate Dennis Sullivan's 60th

Birthday, SUNY at Stony Brook, New York.

Organizers: A. de Carvalho, D. Gromoll, B. Lawson, M. Lyubich, J. Milnor, A. Phillips, L. Takhtajan.

Description: Graphs occur as organizing objects in several fields of mathematics and theoretical physics. Each field interprets them in its language. As a consequence, parallel developments are often played out in isolation from each other. In this conference experts in each of the areas will deliver lectures and minicourses to an audience including specialists in other areas as well as graduate students.

Topics: Graphs and universal algebra; graphs and discrete Riemannian geometry or gauge theory; graphs and bifurcation patterns in dynamical systems; graphs and quantum field theory-topology.

Confirmed Speakers: J. Baez, A. de Carvalho, R. Forman, J. Hubbard, D. Kreimer, C. McMullen, Y. Minsky, P. van Nieuwenhuizen, D. Sullivan, A. Voronov.

Information: We hope to have some funds to support a number of participants, particularly graduate students and postdocs. You can apply for support via e-mail or on the Web at <http://www.math.sunysb.edu/patterns/>. Applications of graduate students and postdocs should be backed by one recommendation letter. If you are interested in attending this meeting, please send a message to: Patterns Conference, Institute for Math. Sciences, SUNY at Stony Brook, Stony Brook, NY 11794; e-mail: patterns@math.sunysb.edu; fax: 631-632-7631; c/o G. Sciuilli.

* 25–29 Workshop on Groups and 3-Manifolds, Centre de Recherches Mathématiques, Université de Montréal, Montréal (Québec), Canada.

Organizer: S. Boyer (UQAM).

Program: This workshop will focus on recent progress on various open topological and geometric classification problems as well as some of the newer research directions. There will be four 50-minute talks per day, leaving plenty of time for informal discussions amongst the participants.

Participants: M. Boileau (Univ. Paul Sabatier), D. Calegari (Harvard Univ.), A. Casson (Yale Univ.), D. Cooper (Univ. of California Santa Barbara), M. Culler (Univ. of Illinois at Chicago), D. Gabai, (California Institute of Technology), C. McA. Gordon (Univ. of Texas at Austin), S. Kerchoff (Stanford Univ.), M. Lackenby (Univ. of Oxford), D. Long (Univ. of California Santa Barbara), J. Luecke (Univ. of Texas at Austin), Y. Moriah (Technion), J. Porti (Univ. Autònoma de Barcelona), A. Reid (Univ. of Texas at Austin), H. Rubinstein (Univ. of Melbourne), P. Shalen (Univ. of Illinois at Chicago), Y.-Q. Wu (Univ. of Iowa), X. Zhang (State Univ. of New York at Buffalo).

* 27–29 MAA Summer Short Course, Ashland University, Ashland, Ohio.

Description: The Ohio Section of the MAA has engaged William Dunham to present the 2001 Summer Short Course titled “A Mathematical Sampler: 1669–1900”. This workshop examines a collection of mathematical landmarks from the middle of the seventeenth through the end of the nineteenth centuries. The theorems are the original work of such towering figures as Newton, the Bernoulli brothers, Euler, Gauss, and Cantor and come from the fields of analysis, number theory, algebra, geometry, complex variables, and the theory of sets. They give historical perspective to topics encountered in college mathematics, and some can be transferred intact to the undergraduate classroom. Most importantly, these theorems represent the beauty of mathematics at its best.

Information: <http://www.maa.org/Ohio/> (follow link for Summer Short Course) or <http://eagleweb.ashland.edu/~cswanson/maashort.htm>.

July 2001

* 2–6 Singapore International Symposium on Topology and Geometry (SISTAG), Singapore.

Information: For more information visit the Web site at <http://www.math.nus.edu.sg/sistag.htm>. For queries contact the administrator at sistag@math.nus.edu.sg.

*2–7 **4th Operator Algebras International Conference: Operator Algebras and Mathematical Physics**, Constanta, Romania.

Organizing Committee: F. Boca, BocaFP@cardiff.ac.uk; G. Nenciu, Gheorghe.Nenciu@imar.ro; R. Purice, Radu.Purice@imar.ro; B. Ramazan, ramazan@imar.ro; S. Stratila, stratila@imar.ro.

Main Topics: Structure and classification of operator algebras, spectral and propagation properties for quantum systems.

Information: Speakers and details are on the Web page <http://www.imar.ro/~ramazan/oamp/>.

*3–5 **Mathematics and Design 2001**, Deakin University, Geelong, Australia.

Information: <http://rosassa.deakin.edu.au/MD2001/>.

*8–13 **Second ICMS Workshop on Algebraic Graph Theory**, International Centre for Mathematical Sciences, Edinburgh, Scotland.

Organizers: P. Rowlinson (Stirling), International Centre for Mathematical Sciences (Edinburgh).

Scientific Committee: D. Cvetkovic (Belgrade), W. Haemers (Tilburg), P. Rowlinson (Stirling).

Main Topics: The new fullerenes, eigenspace techniques, generalizations from distance-regular graphs, topological considerations.

Key Speakers: N. L. Biggs (London School of Economics), P. J. Cameron (Queen Mary & Westfield College), D. Cvetkovic (Belgrade), P. W. Fowler (Exeter), M. A. Fiol (Barcelona), W. Haemers (Tilburg), P. Hansen (Directeur du GERAD, Montreal), B. Mohar (Ljubljana), B. Shader (Wyoming).

Call for Papers: <http://www.ma.hw.ac.uk/icms/current/graph/call.html>.

Information: <http://www.ma.hw.ac.uk/icms/current/graph/index.html>.

*9–13 **Workshop on Geometric Group Theory**, Centre de Recherches Mathématiques, Université de Montréal, Montréal (Québec), Canada.

Organizer: D. Wise (Brandeis & McGill Univ.).

Description: The theory of infinite groups was revolutionized by an infusion of geometric ideas from geometry and topology. This has led to the resolution of many old problems and the formulation of new problems and methods which have broadened the scope of the field. This workshop will focus on these new developments in geometric group theory. There will be four 50-minute talks per day, leaving plenty of time for informal discussions amongst the participants.

Participants: W. Ballmann (Univ. Bonn), M. Bestvina (Univ. of Utah), B. Bowditch (Univ. of Southampton), M. Bridson (Univ. of Oxford), R. Charney (Ohio State Univ.), B. Farb (Univ. of Chicago), M. Feighn (Rutgers Univ.), I. Kapovich (Univ. of Illinois at Urbana-Champaign), M. Kapovich (Univ. of Utah), O. Kharlamovich (McGill Univ.), J. McCammond (Texas A&M), A. Myasnikov (CCNY), P. Papazoglou (Univ. Paris-Sud), M. Sapir (Vanderbilt Univ.), M. Sageev (Technion), Z. Sela (Hebrew Univ.).

August 2001

*6–11 **2001 ASL European Summer Meeting (Logic Colloquium '01)**, Vienna, Austria.

Speakers: Tutorials will be given by I. Neeman and A. Leitsch. Invited plenary speakers include T. Arai, S. Awodey, J. Cummings, R. Downey, H. Friedman, W. Goldfarb, O. Kharlamovich, J. Knight, M. van Lambalgen, C. Miller, S. Shelah, J. Väänänen, F. Wagner, and S. Wainer.

Abstracts: Abstracts of contributed talks must be received by the deadline of May 1, 2001; they should be sent to the official meeting address below.

Information: The official address of the meeting is: Logic Colloquium '01, Kurt Gödel Society, c/o Institut für Computersprachen, Technische Universität Wien (185), Favoritenstrasse 9, A-1040 Vienna, Austria; e-mail: lc2001@logic.at; <http://www.logic.at/LC2001/>.

*7–10 **The 4th Conference on Information Fusion**, Montreal, Quebec, Canada.

Conference Topics: FUSION 2001 will provide a forum for the presentation of research and technological advances by scientists and engineers working in all aspects of information and data fusion techniques and systems. The conference will also feature keynote speeches and plenary talks. Topics include, but are not limited to, the following: (1) Theoretical and Technical Advances in Information Fusion, (2) Algorithms and Systems, and (3) Applications.

Information: communications@crm.umontreal.ca.

September 2001

*1–6 **2001 WSES International Conference on Simulation (SIM'01)**, Malta.

Sponsor: The World Scientific and Engineering Society (WSES); co-sponsored by HUEST (Highest Institute of Education, Science and Technology, Athens, Greece).

Information: <http://www.worldses.org/> or <http://wses.tripod.com/>.

*18–22 **The Fifth International Workshop on Differential Geometry and Its Applications**, Timisoara, Romania.

Invited Speakers: (confirmed until the end of October 2000): W. Bertram (France), M. Bordoni (Italy), K. Buchner (Germany), P. Gauduchon (France), C. S. Gordon (USA), M. Goze (France), T. Hangan (France), E. Macias Virgos (Spain), S. Marchiafava (Italy), P. T. Nagy (Hungary), J.-P. Ortega (Switzerland), T. Pirashvili (Georgia), Th. M. Rassias (Greece), T. S. Ratiu (Switzerland), K. Richardson (USA), A. Savo (Italy), D. Schueth (Germany), L. Vanhecke (Belgium).

Organizers: M. Craioveanu, West Univ. of Timisoara, e-mail: craiov@math.uvt.ro; R. Iordanescu, Institute of Math. of the Romanian Academy-Bucharest, e-mail: Radu.Iordanescu@imar.ro; M. Puta, West Univ. of Timisoara, e-mail: puta@math.uvt.ro; D. Acu, ASTRA Association, e-mail: dacu@science.sibiu.ro.

*22–26 **Applications of Discrete Mathematics**, Australian National University, Canberra, Australia.

Description: "Applications of Discrete Mathematics" will be a special session of the 45th Annual Meeting of the Australian Mathematical Society at the Australian National University in Canberra, Australia, Saturday, Sept. 22 (noon), until Wednesday evening, Sept. 26.

Information: Visit <http://www.maths.anu.edu.au/conferences/AustMS2001/>.

*26–28 **First SIAM Conference on Imaging Science**, Boston Park Plaza Hotel, Boston, Massachusetts.

About the Conference: Current developments in the technology of imaging have led to an explosive growth in the interdisciplinary field of imaging science. With the advent of new devices capable of seeing objects and structures not previously imagined, the reach of science and medicine have been extended in a multitude of different ways. The impact of this technology has been to generate new challenges associated with the problems of formation, acquisition, compression, transmission, and analysis of images. By their very nature, these challenges cut across the disciplines of physics, engineering, mathematics, biology, medicine, and statistics. While the primary purpose of this conference is to focus on mathematical issues, the biomedical aspects of imaging will also play an important role.

This conference represents the first official function organized by the newly formed SIAM Activity Group on Imaging Science (SIAG/IS). This SIAG and the SIAG on the Life Sciences were both created in recognition of the fact that the mathematics community should participate more directly in these nontraditional areas. Since these two activity groups have such a strong overlap in the area of biomedical imaging, this conference has been scheduled to overlap with the Conference on the Life Sciences, chaired by James Collins, set for September 24–26, 2001.

Conference Themes: Imaging Acquisition and Formation; Image Storage, Compression and Retrieval; Imaging Coding and Transmission; Imaging Processing; PDEs in Image Processing; Image Modeling

and Analysis; Image Restoration; Statistical Aspects of Imaging; Biomedical Imaging; Applications.

Invited Plenary Speakers: Electromagnetic Inverse Problems: M. Cheney, Rensselaer Polytechnic Institute; Mathematical Morphology and Genomic Regulation: E. R. Dougherty, Texas A&M Univ.; Sparse Geometrical Image Representations for Processing: S. Mallat, École Polytechnique, France, and Courant Institute of Mathematical Sciences, New York Univ.; Stochastic Models for Natural Images: D. Mumford, Brown Univ.; Level Set/PDE-Based Algorithms for Image Restoration, Surface Interpolation and PDEs on Manifolds: S. Osher, Univ. of California Los Angeles.

Minisymposia: A minisymposium is a two-hour session consisting of four presentations on a well-focused topic. A number of minisymposia have been solicited by the conference organizing committee to supplement the conference themes. The organizing committee also encourages proposals for minisymposia in areas related to the conference themes. Prospective minisymposium organizers are asked to submit a proposal consisting of a title, a description (not to exceed 100 words), and a list of speakers and titles of their presentations using the Conference Management System available at <http://www.siam.org/meetings/is01/part.htm>. Deadline for submission of minisymposium proposals is March 2, 2001.

Contributed Presentations in Lecture Format: Contributed presentations in lecture format are invited in all areas of imaging science consistent with the conference themes. A lecture format involves a 15-minute oral presentation with an additional 5 minutes for discussion. Deadline for submission of contributed abstracts for a lecture: April 6, 2001.

Contributed Presentations in Poster Format: A poster presentation consists of the use of visual aides on a 4' x 6' poster board presented in a two-hour informal session that allows presenters to discuss their research with attendees. Deadline for submission of contributed abstracts for a poster: April 6, 2001.

Electronic Submission: Every presenter of a contributed or poster presentation must submit a 75-word abstract, which must be sent electronically using the Conference Management System available at <http://www.siam.org/meetings/is01/part.htm>. The 75-word abstract will appear in the final program.

Information: ross@siam.org.

October 2001

*24–26 **DIMACS Workshop on Analysis of Gene Expression Data**, DIMACS Center, Rutgers University, Piscataway, New Jersey.

Sponsors: DIMACS Center.

Organizers: L. Heyer, Davidson College; G. Stolovitsky, IBM; S. Yooseph, Celera Genomics.

Short Description: The gene expression array is a significant new technology aimed at providing a top-down picture of the intimate genetic processes of an organism. It allows quantification of transcription levels of large numbers of genes simultaneously. There remain unsolved image processing as well as computational and mathematical difficulties associated with extraction and validation of data from gene expression microarray assays. This workshop will address the research areas and problems associated with this topic.

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