

Mathematics Calendar

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

October 2000

* 2-6 **International Conference on Number Theory and Discrete Mathematics in Honor of Srinivasa Ramanujan**, Panjab University, Chandigarh, India.

Location: Centre for Advanced Study in Mathematics, Panjab Univ., Chandigarh 160014, India.

Description: This conference is being organized to mark the International Year of Mathematics in honor of Srinivasa Ramanujan, the greatest Indian number theorist of the twentieth century. There will be several lectures by experts and contributed talks. The proceedings of the conference will be published.

Registration Fee: US\$200.

Information: Contact A. K. Agarwal at the address above or by e-mail at aka@panjabuniv.chd.nic.in.

* 3-6 **Workshop on Nonlinear Dynamics and Biomathematics**, Centre de Recherches Mathématiques, Montréal, Quebec, Canada.

Description: The state of the art in the application of techniques from nonlinear dynamics to diverse fields of biology (biochemistry, physiology, resources management, medical imaging) will be covered. This workshop is part of the Entretiens du Centre Jacques-Cartier.

Organizers: P. Auger (Lyon), J. J. Bélair (Montréal), J. Demongeot (Grenoble).

Information: <http://www.CRM.UMontreal.CA/biomath/>.

* 9-13 **Wei-Liang Chow and Kuo-Tsai Chen Memorial Conference**, Nankai Institute of Mathematics, Tianjin, China.

Program: This will be an informal conference with developments related to and arising from the works of W.-L. Chow and K.-T. Chen, i.e., algebraic geometry, exterior differential calculus, and de Rham

homotopy theory as the main topics. The scope will be unrestricted.

Organizer: S. S. Chern.

Organizing Committee: Z.-J. Chen (The East China Normal Univ.), R. Hain (Duke Univ.), S. Hu (World Scientific Publishing Company), X.-S. Lin (UC Riverside), S.-L. Tan (Bar-Ilan Univ.), X. Zhou (Nankai Inst. of Mathematics).

Confirmed Participants: D. Bar-Natan, F. Catanese, P. Griffiths, R. Hain, B. Harris, S. Iitaka, Y. Kawamata, T. Kohno, D. Kreimer, T.T.Q. Le, X.-S. Lin, N. Mok, M. Miyanishi, Y. Miyaoka, Y. Namikawa, T. Shioda, J. Stasheff, M. Teicher, G. Tian.

Information: X. Zhou, Nankai Institute of Mathematics, Tianjin 300071, P.R. China; fax: 86-22-2350-1532; e-mail: xwzhou@nankai.edu.cn.

* 12-15 **Workshop on Memory, Delays and Multistability**, Centre de Recherches Mathématiques, Montréal, Quebec, Canada.

Description: This workshop will focus on important current issues in the modeling of neural activity in recurrent circuitry, such as recurrent activity thought to lie at the core of sensory information processing. The emphasis will be on the mathematical issues which arise in the modeling of such activity in real biological systems.

Organizer: A. Longtin (Ottawa).

Information: <http://www.CRM.UMontreal.CA/biomath/>.

* 20-21 **Twenty-second Midwest Probability Colloquium**, Northwestern University, Evanston, Illinois.

Program: R. Bass (Univ. of Connecticut), Brownian motion and analysis (two lectures); M. Peligrad (Univ. of Cincinnati), Ergodic theory, CLT and mixing properties (one lecture); T. Sappalainien (Iowa State Univ.), The variational coupling method for hydrodynamical limits (one lecture). On Thursday, October 19, there will be a series of two talks by J. Ma of Purdue University on the topic of

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

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

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

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

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

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

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

“Forward/backward stochastic differential equations”.

Accommodations: A block of rooms has been reserved at the Holiday Inn of Evanston (847-491-6400). Please mention “Midwest Probability Colloquium” when you call to reserve your room. As in the past, organizers expect to have NSF funds to offset the expenses of graduate students and other young investigators.

Information: Local information about Evanston and Chicago is available from the Web site of the mathematics department at <http://www.math.nwu.edu/>. Conference organizer: M. A. Pinsky, Dept. of Mathematics, Northwestern University, Evanston, IL 60208-2730; tel: 847-491-5519; fax: 847-491-8906.

* 20–23 **Singularities in Classical, Quantum and Magnetic Fluids**, Mathematics Institute, University of Warwick, UK.

Aim: The main aim is to initiate an exchange of ideas and methods of studying singularities among researchers working in different fields, such as classical Navier-Stokes and Euler fluids, superfluids, magnetohydrodynamics, and fluid-like nonlinear properties of optical media. This meeting will also review known singularities in fluid systems and examine the current status of existing open questions. The conference is a satellite workshop of a program on “Geometry and Topology of Fluid Flows” organized at the Isaac Newton Institute for Mathematical Sciences (Cambridge).

Organizers: R.S. Mackay, X. He, and S. Nazarenko (Warwick); R. Pelz (Rutgers Univ.).

Information: <http://www.maths.warwick.ac.uk/research/programmes/current/>. Alternatively, information can be obtained from P. McAllister (peta@maths.warwick.ac.uk).

* 23–27 **Advanced Linkage Course**, Pavia University, Pavia, Italy.

Topics: Basic overview of genetic epidemiology and evolutionary genetics; Linkage analysis of marker versus marker, and deterministic genotype-phenotype relationships with ILINK; Linkage disequilibrium between markers, and case-control studies with ILINK; Joint linkage and linkage disequilibrium analysis between markers, and between markers and traits with model-based or pseudomarker model-free methods with ILINK. Use of shell scripts and utility programs to simplify the practical application of these methods (ANALYZE, PSEUDOMARKER, DOWNFREQ, etc.).

Instructor: J. D. Terwilliger, Dept. of Psychiatry and Columbia Genome Center, Columbia Univ., New York; Dept. of Neuroscience, New York State Psychiatric Institute, New York.

Application Deadline: June 30, 2000. Participants are generally accepted on a “first-come, first-served” basis, so applications should be sent in as soon as possible.

Information: Tel. +39 382-507638, fax +39 382-507570, e-mail: silvia@fisher.unipv.it.

* 29–November 1 **Workshop on Mapping and Control of Complex Arrhythmias**, Centre de Recherches Mathématiques, Montréal, Quebec, Canada.

Description: This workshop will cover the recent advances in computational and analytical techniques and power which have opened new avenues for the understanding and intervention in the prevention of cardiac arrhythmias.

Organizer: L. Glass (McGill).

Information: <http://www.CRM.UMontreal.CA/biomath/>.

November 2000

* 2–3 **7th Dimacs Implementation Challenge: Semidefinite and Related Optimization Problems**, Dimacs Center, Rutgers University, Piscataway, New Jersey.

Sponsors: Dimacs Center.

Short Description: In the past few years much has been learned about the kinds of problem classes that SDP can tackle, the best SDP algorithms for the various classes, and the various limits of the current approaches to solving SDP’s. Similar to, and indeed an extension from, semidefinite programming, a great deal is known about optimization with convex quadratic constraints as well as limitation of current methods. This workshop attempts to distill and expand upon accumulated knowledge. Organizers have collected a

variety of interesting and challenging SDP instances whose solution would expand knowledge of the applicability of SDP.

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

Contacts: F. Alizadeh, Rutgers Univ., challenge@dimacs.rutgers.edu.

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

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

Deadlines: September 15, 2000: Progress reports due for comment and feedback. This should mostly be helpful to newcomers to the area. October 15, 2000: Extended abstracts due for consideration for the workshop. All proposals and abstracts should be sent to the conference e-mail: challenge@dimacs.rutgers.edu.

* 11–14 **Workshop on Fractal and Modeling in Structural and Dynamical Analysis**, Centre de Recherches Mathématiques, Montréal, Quebec, Canada.

Description: Classical problems in material sciences (surface characterization, description of branching networks) have been given new impetus by the introduction of fractal concepts. This workshop will cover the latest theoretical developments, their contributions in the biomedical field, and future directions of investigations.

Organizers: J. Blair (Montréal) and F. Nekka (Montréal).

Information: <http://www.CRM.UMontreal.CA/biomath/>.

* 17–19 **Second Midwest Arithmetical Geometry in Cryptography (MAGC)**, University of Illinois at Urbana-Champaign.

Organizers: N. Boston (UIUC), R. Blahut (UIUC).

Plenary Speakers: G. Frey (IEM, Essen), A. Menezes (CACR, Waterloo), F. Morain (LIX, France).

Information: <http://www.math.uiuc.edu/~boston/magc.html>.

* 17–19 **Tenth Midwest Geometry Conference**, University of Iowa, Iowa City, Iowa.

Information: <http://www.math.uiowa.edu/~mgc2000/>.

* 20 **Differential Geometry in Fluid Dynamics and Dynamical Systems**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK.

Organizer: T. Kambe (Tokyo).

Speakers: Y. Brenier (Paris), Y. Fukumoto (Kyushu), D. Holm (Los Alamos), T. Kambe (Tokyo), B. Khesin (Toronto), G. Misiolek (Notre Dame), T. Ratiu (EPFL).

Theme: Dynamical systems with finite or infinite number of degrees of freedom, such as hydrodynamics, magnetohydrodynamics, and various integrable systems, often have certain symmetry groups. Recent advances in the description of behavior of those systems are related to the study of differential geometry of the corresponding groups. The geometric theory allows one to describe both quantitative and qualitative global properties of trajectories of such systems.

Information: <http://www.newton.cam.ac.uk/programs/gtfw03.html>.

December 2000

* 1–3 **2000 WSES International Conference on Numerical Analysis and Applications**, Vravrona, Greece.

Information: <http://www.worldses.org/wses/math/naa/>.

* 1–3 **2000 WSES International Conference on Linear Algebra and Applications**, Vravrona, Greece.

Information: <http://www.worldses.org/wses/math/laa/>.

* 1–3 **2000 WSES International Conference on Differential Equations: Theory and Applications**, Vravrona, Greece.

Information: <http://www.worldses.org/wses/math/deta/>.

* 1–3 **2000 WSES International Conference on Algorithms Theory, Discrete Mathematics, Systems and Control**, Vravrona, Greece.

Information: <http://www.worldses.org/wses/math/adisc/>.

- * 1-3 **2000 WSES International Conference on Topology and Differential Geometry**, Vravrona, Greece.

Information: <http://www.worldses.org/wses/tdg/>.

- * 1-3 **2000 WSES International Conference on Computer Mathematics Education**, Vravrona, Greece.

Information: <http://www.worldses.org/wses/math/cme/>.

- * 1-3 **2000 WSES International Conference on Probability, Statistics and Operational Research**, Vravrona, Greece.

Information: <http://www.worldses.org/wses/math/psor/>.

- * 1-3 **2000 WSES International Conference on Optimization and Applications**, Vravrona, Greece.

Information: <http://www.worldses.org/wses/math/oa/>.

- * 9-13 **The Ninth International Workshop on Matrices and Statistics in Celebration of C. R. Rao's 80th Birthday (NIWMS-2000)**, Hyderabad, India.

Purpose, Schedule and Topics: The purpose of this workshop is to stimulate research and, in an informal setting, to foster the interaction of researchers in the interface between matrix theory and statistics. This workshop will provide a forum through which statisticians working in the field of linear algebra and matrix theory may be better informed of the latest developments and newest techniques and may exchange ideas with researchers from a wide variety of countries.

The program will start with a two-day course on recent advances in matrix theory with special reference to applications to statistics on Saturday, December 9, and Sunday, December 10, 2000. This will be followed by the presentation of research papers in the workshop proper on Monday, December 11-Wednesday, December 13, 2000; it is expected that many of these papers will be published, after refereeing, in a Special Issue on Linear Algebra and Statistics of Linear Algebra and Its Applications.

Information: The Web site address for this workshop is <http://eos.ect.uni-bonn.de/HYD2000.htm>. All correspondence regarding lodging in Hyderabad for this workshop should be directed to R. J. R. Swamy, Dept. of Statistics, Osmania University, Hyderabad-500 007, India; swamy_rjr@yahoo.co.uk, swamy_rjr@yahoo.com; fax (91-40) 717-3602.

- * 10-11 **Workshop on Mathematical Methods in Brain Mapping**, Centre de Recherches Mathématiques, Montréal, Quebec, Canada.

Description: Brain mapping is a rapidly growing research field that tries to understand human brain function and anatomy using 3D images from MRI, fMRI, PET, EEG, and MEG using geometry, topology, statistics, and random fields. This workshop is intended to bring together mathematicians and statisticians interested in brain mapping and medical researchers interested in mathematical and statistical methods for the analysis of brain mapping data.

Organizer: K. Worsley (McGill).

Information: <http://www.CRM.UMontreal.CA/biomath/>.

- * 17-21 **ASCM '2000—4th Asian Symposium on Computer Mathematics**, Chiang Mai, Thailand.

Invited Speakers: G. H. Gonnet (ETH Zurich, Switzerland), D. Lazard (Univ. Paris VI, France), W. McCune (Argonne National Laboratory, USA).

Deadline for Submission of Papers: June 30, 2000.

Information: See <http://www.mmrc.iss.ac.cn/~ascm/>; e-mail: ascm@mmrc.iss.ac.cn.

- * 30-January 3, 2001 **IISA 2000 - 2001 - INDIA - JSM**, New Delhi, India.

Description: The International Indian Statistical Association (IISA) 2000-2001 India Joint Statistical Meeting is an international conference on recent developments in statistics and probability and their applications, to be held at the India International Centre, New Delhi.

Sponsors: International Indian Statistical Association (IISA), Calcutta Statistical Association (CSA), Indian Institute of Medical Statistics (IIMS), Department of Statistics, Government of India (GOI), Indian Society for Agricultural Statistics (ISAS), Indian Agricultural Statistics Research Institute (IASRI), Indian Society of Probability and Statistics (ISPS), Indian Association for Productivity, Quality and Reliability (IAPQR), Indian Statistical Association (ISA), Indian Econometric Society (IES), Indian Statistical Institute (ISI), Institute for Research in Medical Statistics (IRMS).

Submissions: If you wish to read a paper in a contributed session, please send an extended abstract (about 300 words) of the paper to K. Sen, Organizing Secretary, before July 31, 2000. You will be informed whether your paper has been accepted for presentation by August 31, 2000. Papers may fall in the general areas of: (i) Probability Theory, Stochastic Processes and Applications, (ii) Statistical Theory and Methods, (iii) Applications of Statistics. All invited speakers and accepted contributed speakers will be requested to provide a four-page short version of their papers by Sept. 30, 2000. It is planned to publish a volume containing these in time for the conference.

Contact Address: K. Sen, Organizing Secretary, Department of Statistics, Univ. of Delhi, Delhi - 110007, India; tel. : 091-11-7256617 (Off.), 091-11-7257725/ext. 1332 (Off.), 091-11-7231427 (Res.); fax: 091-11-7256617, 091-11-7256671; e-mail: ksen@deli2.vsnl.net.in.

Information: <http://www.stat.ohio-state.edu/~hnn/delhi2.html>.

January 2001

- * 5-10 **Finite and Infinite Combinatorics**, Budapest, Hungary.

Occasion: The special occasion for this meeting is to honor the 70th birthdays of Professors V. T. Sós and A. Hajnal.

Invited Speakers: N. Alon, B. Bollobás, J. Nešetřil, S. Shelah, M. Simonovits, R. Tijdeman.

Information: <http://www.renyi.hu/~finf/>; e-mail: finf@renyi.hu/.

- * 26-28 **GAMM-Workshop on Computational Electromagnetics**, Christian-Albrechts-University of Kiel, Kiel, Germany.

Program: This workshop is intended to reflect the state of the art of the foundations, methods, and algorithmic tools of computational electromagnetics. The spectrum of the topics to be presented and discussed ranges from the mathematical analysis of Maxwell's equations, different discretization schemes, and their efficient numerical realizations to the application of optimization and optimal control methods, as well as the appropriate treatment of inverse problems.

Deadlines: Participants wanting to give a talk (20 min.) should submit an abstract before September 30, 2000. Notification of acceptance will be given in October 2000.

Workshop Topics: Mathematical analysis of Maxwell's equations in the low- and high-frequency range; Numerical analysis of discretization methods; Applications of multigrid/multilevel and domain decomposition techniques; Multipole methods, A posteriori error analysis; Adaptivity in space-time discretizations; Optimal control, structural optimization; Inverse modeling/parameter identification.

Organizers: C. Carstensen (Kiel, Germany), S. A. Funken (Kiel, Germany), W. Hackbusch (Kiel/Leipzig, Germany), R. H. W. Hoppe (Augsburg, Germany), P. Monk (Newark, Delaware).

Information: Visit the home page at <http://www.numerik.uni-kiel.de/cc/work01.html>, where more information and a registration form are available.

February 2001

- * February-July 2001-**Random Walks**, Erwin Schrödinger Institute, Vienna, Austria.

Organizers: V. A. Kaimanovich (Rennes, France), K. Schmidt (Vienna, Austria), W. Woess (Graz, Austria).

Program: ESI will host a specific semester entitled "2001-Random Walks" from mid-February to mid-July. The semester will be dedicated to various problems connected with stochastic processes on geometric and algebraic structures, with an emphasis on their interplay and also on their interaction with theoretical physics. Some of the focal points will be: probability on groups; products of random matrices and simplicity of the Lyapunov spectrum; boundary behavior, harmonic functions and other potential theoretic aspects; Brownian motion on manifolds; combinatorial and spectral properties of random walks on graphs; random walks and diffusion on fractals. There will be two separate main periods of activity in the first (February/March) and in the second (May/June/July) halves of the semester. The first period will start with a two-week workshop with the general theme Random Walks and Statistical Physics. Towards the end of the second period there will be another two-week workshop with the general theme Random Walks and Geometry.

Information: General information about the ESI can be found at the Web site <http://www.esi.ac.at/>. For participation in the special semester 2001-Random Walks in Vienna and, in particular, participation in one of the workshops, please contact e-mail: rwalk@keen.esi.ac.at.

* 1-3 **17th GMM Seminar Leipzig on Construction of Grid Generation Algorithms**, Max-Planck-Institute for Mathematics in the Sciences, Leipzig, Germany.

Seminar Topics: Grids for PDE applications, surface grids for BEM, hierarchically structured grids, grid refinement/recoarsening techniques, anisotropic grids, grid description, representation and generation.

Invited Speakers: M. Gross (ETH Zürich, Switzerland), J. Schumlberl (Univ. Linz, Austria), M. S. Shephard (Rensselaer Polytechnic Institute, Troy, USA).

Chairmen: W. Hackbusch (MPI Leipzig, Germany), U. Langer (Univ. Linz, Austria).

Call for Papers: Please submit an abstract of your talk by Nov. 30, 2000. Notice of acceptance will be given by Dec. 15, 2000.

Local Organization: K. Helms, Max-Planck-Institut für Mathematik in den Naturwissenschaften, Inselstraszlig, 22-26, D-04103 Leipzig, Germany.

Information: For information, please visit our homepage <http://www.mis.mpg.de/conferences/gamm/2001/index.html>; or send a regular mail or e-mail to the local organizers, khe@mis.mpg.de.

* 11-15 **2001 WSES International Conference on Evolutionary Computations (EC'01)**, Puerto De La Cruz, Tenerife, Canary Islands, Spain.

Information: <http://www.worldses.org/wses/ec/>.

Deadlines: Paper Submission: October 30, 2000; Notification of Acceptance/Rejection: November 30, 2000.

* 11-15 **2001 WSES International Conference on Fuzzy Sets and Fuzzy Systems (FSFS'01)**, Puerto De La Cruz, Tenerife, Canary Islands, Spain.

Information: <http://www.worldses.org/wses/fsfs/>.

Deadlines: Paper Submission: October 30, 2000; Notification of Acceptance/Rejection: November 30, 2000.

* 11-15 **2001 WSES International Conference on Neural Networks and Applications (NNA '01)**, Puerto De La Cruz, Tenerife, Canary Islands, Spain.

Information: <http://www.worldses.org/wses/na/>.

Deadlines: Paper Submission: October 30, 2000; Notification of Acceptance/Rejection: November 30, 2000.

* 17-19 **International Symposium on Mathematics and Its Applications (ISMA 2001)**, Calcutta, India.

Information: For additional information, please visit <http://php.indiana.edu/~gompa/calcutta.htm>.

* 25-March 1 **NATO Advance Research Workshop: Application of Algebraic Geometry to Coding Theory, Physics and Computation**,

Eilat, Israel.

Aim: The goal of the workshop is to present some of the best recent work in algebraic geometry with emphasis on possible relations with and applications to mathematical physics, coding theory, industrial and computational aspects. Proceedings will be published with the contribution of NATO. Scientists from all NATO countries, Middle East countries, and the former Soviet Union are invited to participate. The following people are planning to participate: E. Arbarello (SNS, Pisa), V. Batyrev (Tübingen), A. Beauville (Paris), J. Bernstein (Tel Aviv), F. Catanese (Göttingen), A. Conte (Turin), R. Donagi (Philadelphia), G. van der Geer (Amsterdam), P. Griffiths (Princeton), V. Iskovskih (Moscow), V. Kaminski (Ramat Gan), M. Kontsevich (Bures-sur-Yvette), V. Kulikov (Moscow), A. Libgober (Chicago), V. Lin (Haifa), R. Livné (Jerusalem), Y. Miyaoka (Kyoto), N. Mok (Hong Kong), D. Mumford (Providence), T. Peternell (Bayreuth), M. Salvetti (Pisa), R. Schoof (Roma Tor Vergata), E. Sernesi (Roma III), Y.T. Siu (Cambridge, USA).

Information: e-mail: NATO@macs.biu.ac.il; Web site: <http://www.mat.uniroma2.it/~cilibert/workshop.html>.

March 2001

* 8-11 **Workshop on Population Genetics at the Molecular Level**, Centre de Recherches Mathématiques, Montréal, Quebec, Canada.

Description: The genes and alleles of classical genetics are abstract notions. Now that these are increasingly understood in terms of particular sequence of DNA and protein, the mathematical foundations of the field must be revisited and expanded, which is the object of this workshop.

Organizer: B. Golding (McMaster).

Information: <http://www.CRM.UMontreal.CA/biomath/>.

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

Aims and Scope of the Conference: This conference is the sixth of a series dedicated to research on approximation and optimization. The goal of these conferences is to support the development of high-level research and education in the Caribbean. Included are: invited lectures, tutorials, mini-symposia, and contributed talks on the following topics: approximation, optimization, mathematical economics and applications.

Scientific Program: Invited talks: B. Bank (Germany), B. Cornet (France), H. Gonska (Germany), J.B. Hiriart-Urruty (France), H. Keiding (Denmark), D. Pallaschke (Germany), V. Totik (Hungary). Tutorials: H. Th. Jongen (Germany), On stability and deformation in nonlinear optimization; A. Jofre (Chile), Applications of mathematical calculus to the regulation of services on electric power; F. Marcellan (Spain). Minisymposia: Special Sessions: D. Filippovitch (Guatemala), Theory of Non-competitive Games; Raul Gonzales (Guatemala), Optimization Applied to Portfolios; Pablo Olivares (Cuba), Introduction to Mathematical Models in Finance.

Schedule: The conference will take place in Guatemala City at FISICC University Francisco Marroquin and the Colonial Museum of the University of San Carlos. Lectures start on Monday, March 26, and finish on Friday, March 30. The social program of the conference starts on Sunday, March 25, with a welcome party. Wednesday morning will be devoted to an excursion to Lake Atitlan, after an early morning plenary. A banquet is planned at Hotel Santo Domingo, Antigua.

Information: M. Villagran, Facultad de Medicina, Univ. de San Carlos, Ciudad Univ. Zona 12, Guatemala City; e-mail: apopt6@usac.edu.gt; <http://www.ing.usac.edu.gt/apopt6/>.

April 2001

* 25-26 **Workshop on Mathematical Formalisms for RNA Structure**, Centre de Recherches Mathématiques, Montréal, Quebec, Canada.

Description: This symposium will explore the current state of the art in computational RNA structure and provide a look toward the future of the field.

Organizer: F. Major (Montréal).

Information: <http://www.CRM.UMontreal.CA/biomath/>.

May 2001

- *28-June 1 **Harmonic Morphisms and Harmonic Maps**, Centre International de Rencontres Mathématiques, Luminy, Marseille, France.

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

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

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

Information: For more on the CIRM see: <http://www.cirm.univ-mrs.fr/indexE.html>. If you wish to attend the conference, please contact M. Ville at ville@math.polytechnique.fr. Web site: <http://beltrami.sc.unica.it/harmor/>.

June 2001

- *4-9 **Fractals in Graz 2001: Stochastics-Analysis-Dynamics-Geometry**, Technical University of Graz, Graz, Austria.

Organizing Committee: M. Barlow (Univ. of British Columbia, Vancouver), R. Strichartz (Cornell Univ.), P. Grabner (Technical Univ. of Graz), W. Woess (Technical Univ. of Graz), the last two being the local organizers.

Purpose: The purpose of the conference is to bring together researchers from various mathematical areas who share a common interest in fractal structures, with openmindedness to interaction between different fields inside and outside the fractal world.

Plenary Lectures: R. Bass (Univ. of Connecticut, Storrs), T. Coulhon (Univ. de Cergy-Pontoise), K. Falconer (Univ. of St. Andrews), H. Furstenberg (Hebrew Univ., Jerusalem), B. Hambly (Univs. of Bristol and Oxford), J. Kigami (Kyoto Univ.), T. Kumagai (Kyoto Univ.), M. Lapidus (Univ. of California, Riverside), A. Lasota (Silesian Univ., Katowice), M. Mendès-France (Univ. de Bordeaux), A. Teplyaev (McMaster Univ., Hamilton).

Information: <http://finanz.math.tu-graz.ac.at/~fractal/>.

Contact Address: fractal@weyl.math.tu-graz.ac.at.

- *18-23 **The Fourth St. Petersburg Workshop on Simulation**, St. Petersburg State Univ., St. Petersburg, Russia.

Program: The workshop will be devoted to the development and application of mathematical techniques to actual problems in stochastic simulation and applied statistics, especially in experimental design.

Call for Papers: Original papers on workshop topics are solicited. Authors should submit electronic version of papers (no more than six pages) to V. Melas using e-mail: v.melas@pobox.spbu.ru. Proceedings will be available to the participants at the beginning of the workshop. To participate without presentation of a paper, it is necessary to send a completed registration form by March 30, 2001.

Deadline: Submissions: January 30, 2001.

Organizers: N. Balakrishnan (Canada), R. Barton (France), W. E. Biles (USA), Y. Kashtanov (Russia), V. Melas (Russia), B. L. Nelson (USA), W. K. Wong (USA).

Information: Additional information can be found at the Web site <http://vega.math.spbu.ru/workshop/2001/>.

- *23-30 **Intermediate Problems of Model Theory and Universal Algebra, ERLOGOL-2001**, Technical University, Novosibirsk, Russia.

Organizers: Novosibirsk Technical Univ. (NSTU) and Mathematics Inst. of Siberian Branch of Russian Academy of Sciences.

Cochairmen: Prof. A. G. Pinus, Prof. E. A. Palyutin, Prof. K. N. Ponomarev. Secretary of the conference is S. V. Sudoplatov.

Information: <http://www.nstu.ru/deps/algebra/erlogol/main.html>.

July 2001

- *16-20 **Algorithms for Approximation IV**, University of Huddersfield, Huddersfield, UK.

Description: This conference will cover algorithms for the approximation of functions and data, both familiar and novel areas, including splines; wavelets; radial basis functions (RBFs); complex, rational, and spherical approximation; special functions; CAGD; applications including neural networks and metrology. There will be Special Sessions on various topics such as RBFs, metrology, and integral equations.

Deadlines: About 50 contributed papers are sought and 1-2-page abstracts should be submitted by December 31, 2000.

Invited Speakers: M. Buhmann (Giessen, Germany), M. G. Cox (NPL, UK), K. Driver (Witwatersrand, SA), M. Floater (SINTEF, Norway), T. Goodman (Dundee, UK), W. Light (Leicester, UK), C. A. Micchelli (Albany & IBM, USA), L. Nielsen (DIFM, Lyngby), G. Plonka (Duisburg, Germany), T. Poggio (MIT, USA), L. L. Schumaker (Vanderbilt, USA), G. A. Watson (Dundee, UK).

Registration and Information: Conference Web site: <http://helios.hud.ac.uk/a4a4/>, conference e-mail: a4a4@hud.ac.uk. Express an interest or register on the Web site, or contact by e-mail if you wish to offer a Special Session. Postal address: J. C. Mason, School of Computing and Mathematics, University of Huddersfield, Queensgate, Huddersfield HD1 3DH, UK.

- *22-28 **International Nearing and Nearfield Conference**, James Madison University, Harrisonburg, Virginia.

Organizers: C. Lyons and G. Peterson.

Information: James Madison University will be the host of the next meeting of this biennial conference. Contact either of the organizers, C. Lyons (lyonssc@jmu.edu) or G. Peterson (peterson@jmu.edu) for information. A Web site for the conference is being developed and will be updated with additional information as the conference draws nearer. A link to this Web site when it becomes available will be found at <http://www.math.jmu.edu/happenings/>.

August 2001

- *27-31 **8th International Conference on Differential Geometry and Its Applications**, Silesian University in Opava, Opava, Czech Republic.

Information: <http://8icdga.math.slu.cz/>.

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.

October 2001

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

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

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

August 2002

- *20-28 **ICM-2002**, Beijing, China.

Description: The Organizing Committee is pleased to announce that the next International Congress of Mathematicians will take place in Beijing, People's Republic of China, from Tuesday, August 20, through Wednesday, August 28, 2002. It will be held under the auspices of the International Mathematical Union (IMU) and sponsored by many other institutions.

Mathematical Program: Responsibility for the scientific program lies with the Program Committee appointed by IMU. There will be one-hour Plenary Lectures covering recent developments in the major areas of mathematics and forty-five-minute Invited Lectures in nineteen sections.

Every registered participant (traditionally called Ordinary Member) of the Congress will have the opportunity to give a short presentation, either during a poster session or in the form of a fifteen-minute lecture. A formal call for such presentations will be issued in the Second Announcement. Informal mathematical seminars may be organized at the initiative of groups of participants. English, French, German, and Russian are the official languages of the Congress.

All Plenary and Invited Lectures will be published in the Proceedings of ICM2002; after the Congress, a complimentary copy of these Proceedings will be sent to each Ordinary Member. Abstracts of all lectures and of all short presentations will be distributed free of charge to Ordinary Members at Congress check-in.

Awards: The Fields Medals and the Nevanlinna Prize will be awarded during the Opening Ceremony on the first day of the Congress.

Information: Up-to-date information about all aspects of ICM2002 is available on the following Web site: <http://www.icm2002.org.cn/>. This includes information about registration, abstract submission, etc. Correspondence should be directed to: icm2002@beijing.icm2002.ac.cn. Forms for registration and accommodation requests will be made available on the ICM2002 server in January 2002.