
Mathematics Calendar

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

February 2002

- * 22–24 **The Third Annual Colloquiumfest**, Univ. of Saskatchewan, Saskatoon, Canada.

Topics: Algebraic Geometry, Real Algebraic Geometry and Computational Algebra.

Organizers: F.-V. Kuhlmann, S. Kuhlmann, M. Marshall.

Speakers: The list of invited speakers includes: V. Astier (Dublin), R. Auer (Groningen), T. Craven (Hawaii), D. Cutkosky (Missouri), H. Knaf (Kaiserslautern), J. Koenigsmann (Basel), E. Mosteig (Tulane), P. A. Parrilo (ETH Zürich), F. Pop (Bonn/Princeton)*, M. van der Put (Groningen)*, T. Smith (Cincinnati), B. Sturmfels (Berkeley), M. Tressl (Regensburg). (* = to be confirmed).

Information: <http://math.usask.ca/fvk/Mb3.htm>; e-mail: valth@math.usask.ca; Contact address: 106 Wiggins Road, Saskatoon, SK, S7N 5E6, Canada phone: (306) 966-6111 - fax: (306) 966-6086.

March 2002

- * 11–June 14 **Large Scale Communications Networks**, Institute for Pure and Applied Mathematics, UCLA, Los Angeles, California.

Organizers: J. Doyle (Caltech), E. Feron, R. Murray, W. Willinger (AT&T Research Labs), D. Estrin (UCLA), K. Lerman (USC/ISI), F. Kelly (Cambridge), D. Donoho (Stanford), and M. Green (IPAM and UCLA).

Program: Large Scale Communications Networks. The Internet has become a gold mine for new, exciting, and challenging mathematical problems, where scale, complexity, and dynamic play key roles. The goal of this program on the interface between the mathematical/physical sciences and computer/engineering sciences is to initiate, facilitate, or foster interactions among researchers with diverse backgrounds who seek to unravel the ill-understood

dynamics of large-scale complex internetworks such as the Internet. The program will commence with tutorials, then feature three key workshops and will conclude with a conference at Lake Arrowhead. **WORKSHOP I:** Large-Scale Communication Networks: Topology, Routing, Traffic, and Control. **WORKSHOP II:** Large-Scale Engineering Networks: Robustness, Verifiability, and Convergence. **WORKSHOP III:** On Massively Distributed Self-Organizing Networks. **Information:** Full details of the program and its workshops can be found at <http://www.ipam.ucla.edu/programs/cn2002/>. Program specific questions can be addressed to cn2002@ipam.ucla.edu. Funding is available for graduate students, post-docs, and young academics in the junior stages of their career who wish to attend the entire program. Application form is available on program website.

- * 23–25 **Geometric Analysis for the 21st Century: Conference in honour of R. B. Melrose**, MIT, Cambridge, Massachusetts.

Description: The conference honors R. Melrose on the occasion of the 25 years that he has been on the faculty of MIT. The lectures cover a wide range of topics related to Melrose's interests: scattering theory, spectral theory, microlocal analysis, harmonic analysis, several complex variables, inverse problems.

Speakers: N. Burq, C. Epstein, C. Fefferman, M. Ikawa, V. Ivrii, P. Lax, V. Petkov, P. Sarnak, J. Sjöstrand, T. Tao, D. Tataru, M. Taylor, G. Uhlmann, S. Zelditch.

Organizers: V. Guillemin, R. Mazzeo, A. Vasy, M. Zworski.

Information: andras@math.mit.edu, <http://math.mit.edu/~andras/rbmconf.html>.

- * 25–28 **Finite Volume Methods for Hyperbolic Conservation Laws: with Applications to Compressible Flow and Environmental**

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 the AMS website on the World Wide Web. To access the AMS website, use the URL: <http://www.ams.org/>.

Problems, Avenida Palace Hotel, Barcelona, Spain.

Organizers: Numeritek Limited UK.

Lecturer: E. F. Toro, OBE.

Information: Further details on the course will be mailed on request. Please send enquiries to course@numeritek.com. See Amazon Customer Reviews: <http://www.amazon.com/exec/obidos/ASIN/3540659668/numeritekwebsite/002-0541493-1273839/>.

* 27–29 **10emes Journees du Groupe MODE de la SMAI (10th Meeting of the MODE Group of the SMAI)**, Montpellier, France.

Organizing committee: H. Attouch (Univ. Montpellier II), M. Bergounioux (Univ. of Orleans), J-F. Crouzet (Univ. Montpellier II), M.-O. Czarnecki (Univ. Montpellier II), P. Marechal (Univ. Montpellier II).

Scientific Committee: J.-B. Baillon (Univ. Paris I), J-F. Bonnans (INRIA), O. Hudry (Telecom, Paris), B. Lemaire (Univ. Montpellier II, President), J. Maeght (Artelys), J.-P. Penot (Univ. de Pau), J.-P. Raymond (Univ. of Toulouse), S. Sorin (Univ. Paris 6).

Information: <http://www.math.univ-montp2.fr/MODE2002/>.

* 28–29 **2002 ASL Spring Meeting (with APA)**, Seattle Westin, Seattle, Washington.

Information: This meeting will be held jointly with the Annual Meeting of the Pacific Division of the American Philosophical Association, which will take place on March 27–30, 2002. The focus of the ASL meeting is “*Predicativity: Problems and Prospects*”, for which the invited speakers are J. Avigad, S. Feferman, and G. Hellman. The Program Committee members for the ASL meeting are: G.A. Antonelli and P. Mancosu (Chair). For further information, contact P. Mancosu, e-mail: mancosu@socrates.berkeley.edu; for hotel information visit <http://www.apa.udel.edu/apa/divisions/pacific/>.

* 29–31 **CombinaTexas: Combinatorics in the South-Central U.S.**, University of North Texas, Denton, Texas.

Organizers: C. H. Yan (Texas A&M Univ.), J. McCammond (Texas A&M Univ.), J. Kung (Univ. of North Texas), N. Brand (Univ. of North Texas).

Description: This is the third annual meeting of CombinaTexas, a conference series intended to increase communication between mathematicians in the region, promote the research of the regional combinatorics community, and bring in leading combinatorialists from elsewhere. There will also be a poster session, for which we welcome submissions. There are no registration fees, and limited support for participants is available.

Main Speakers: L. Billera, I. Pak, V. Reiner, J. Spencer, R. Thomas, M. Wachs.

Information: <http://www.math.tamu.edu/~jon.mccammond/combinatexas/2002/>.

May 2002

* 16–19 **IX International Conference Devoted to the Memory of Academician Mykhailo Kravchuk (1892-1942)**, Kyiv, Ukraine.

Organizers: National Technical Univ. of Ukraine (KPI), Inst. of Mathematics of NASU, National Shevchenko Univ., National Drahomanov Pedagogical Univ.

Topics: 1) Differential and integral equations, its applications; 2) Algebra, geometry: mathematical and numerical analysis; 3) Theory of probability and mathematical statistics; 4) History, methods of teaching of mathematics.

Deadlines: Abstracts of one page by March 1, 2002. Opening ceremony May 16, 2002.

Official Languages: English, Ukrainian, Russian.

Information: Ukraine, 03056, Kyiv-56, Peremohy Ave. 37, National Technical University (KPI), Phys.-math. Department, Corpus 7, room 437, M. Kravchuk Conference, N. Virchenko; tel. (380) 44 441 1 441; e-mail: syta@imath.kiev.ua.

June 2002

* 1–2 **Conference in Honor of Jan Mycielski**, University of Colorado, Boulder, Colorado.

Description: This conference honors the work of Jan Mycielski on the occasion of his seventieth birthday and his retirement from the University of Colorado. The subject of the conference is understood to include all of Jan’s wide mathematical interests—logic, paradoxical decompositions, quantum mechanics, set theory, philosophy of mathematics, theory of games, models of learning, and the brain, to name only the most central of them.

Information: Details are available at the conference website: <http://euclid.colorado.edu/~jmconf/main.html>.

* 1–4 **2002 ASL Annual Meeting**, Las Vegas, Nevada.

Description: The Thirteenth Annual Goedel Lecture will be delivered by H. Friedman. There also will be special sessions, with organizers in parentheses, on: Education (J. Larson). Logic in Computer Science (E. Clarke and N. Shankar), Philosophy of Mathematics (W. Tait), and Set Theory (H. Woodin). The members of the Program Committee are G. Cherlin, D. Dubose, W. Goldfarb, J. Larson, A. Scedrov, and T. Slaman (Chair). The Local Organizing Committee includes D. Burke, D. Dubose (Chair), and J. Mourad. Abstracts of contributed talks submitted by ASL members will be published in The Bulletin of Symbolic Logic if they satisfy the Rules for Abstracts (see <http://www.aslonline.org/asl/meetings/aslmeet.html#XXX282/>).

Invited speakers include: S. Adams, E. Clarke, G. Hjorth, E. Jaligot, S. Lavine, Z. Sela, N. Shankar, S. Simpson, S. Todorcevic, W. Tait, H. Woodin, and J. Young.

Deadline: Abstracts must be received by the deadline of February 15, 2002, at the ASL Business Office: ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, New York 12604, USA; Fax: 1-845-437-7830; e-mail: asl@vassar.edu.

* 3–9 **BIOCOMP2002: Topics in Biomathematics and Related Computational Problems at the Beginning of the Third Millennium**, Vietri sul Mare (Amalfi Coast), Italy.

Invited Speakers (who have all already agreed to participate): M. Abeles (Israel), K. Aihara (Japan), S. Amari (Japan), J. M. Bower (USA), A. R. Bulsara (USA), R. Bürger (Austria), R. J. De Boer (The Netherlands), O. Diekmann (The Netherlands), P. Erdi (Hungary), G. B. Ermentrout (USA), L. Glass (Canada), L. J. Gross (USA), M. Gyllenberg (Finland), K. P. Haderler (Germany), T. G. Hallam (USA), T. Hida (Japan), A. Holden (UK), F. C. Hoppensteadt (USA), H. Hotani (Japan), Y. Iwasa (Japan), S. A. Kauffman (USA), V. Lanska (Czech Republic), K. N. Leibovic (USA), S. A. Levin (USA), A. Lloyd (USA), A. Longtin (Canada), M. C. Mackey (Canada), M. Mimura (Japan), R. Moreno Diaz Jr. (Spain), F. Moss (USA), K. Nakagawa (Japan), T. Nomura (Japan), F. Oosawa (Japan), G. Oster (USA), K. Pakdaman (France), A. S. Perelson (USA), S. Petrovskii (Russia), A. D. Rand (UK), R. Renaut (USA), J. M. Rinzel (USA), J. -P. Rospars (France), M. Sato (Japan), J. P. Segundo (USA), H. Seno (Japan), T. Turova (Sweden), S. Usui (Japan), A. T. Winfree (USA), T. Yanagida (Japan), Yoshizawa (Japan).

Information on the Venue, Abstract Submissions, and Registration: <http://www.dma.unina.it/~biocomp/> or contact L. M. Ricciardi, Dipartimento di Matematica e Applicazioni “Renato Caccioppoli”, Università di Napoli Federico II, Via Cintia, 80126 Napoli, Italy; Phone +39-081-675666 or +39-081-7663503; fax +39-081-675665; e-mail: BIOCOMP2002@unina.it.

* 5–9 **Hawaii International Conference on Statistics and Related Fields**, Sheraton Waikiki Hotel, Honolulu, Hawaii.

Workshops: Pre-session workshops will be held on June 5, with the concurrent sessions to start on Thursday, June 6, 2002. Send submissions or inquiries to statistics@hcstatistics.org or contact us at Hawaii International Conference on Statistics, 2440 Campus Road, #517, Honolulu, Hawaii 96822; tel: 808-223-1748; fax: 808-947-2420; <http://www.hcstatistics.org/>.

* 16–20 **Conference on Analysis and Probability on Fractals**, Cornell University, Ithaca, New York.

Organizing Committee: R. Strichartz, Cornell Univ.; M. Barlow, Univ. of British Columbia; J. Kigami, Kyoto Univ.; A. Teplyaev, UCal Riverside.

Information: <http://www.math.cornell.edu/>.

* 16–23 **Second Russian-German Geometry Meeting Dedicated to 90th Anniversary of A. D. Alexandrov**, Euler International Mathematical Institute, St Petersburg, Russia.

Organizers: Steklov Institute of Mathematics (St. Petersburg), Mathematisches Institut Der Universität Bonn, Sobolev Institute of Mathematics (Novosibirsk).

Topics: Differential geometry, nonlinear differential equations in geometry, geometric analysis, singular spaces, foundations of geometry, applications of geometry to mathematical physics and algebra.

Deadline for registration: April 15, 2002.

Contact Information: e-mail: geo2@imi.ras.ru; geometry@math.uni-bonn.de; geometry@math.nsc.ru; fax: 7 (812) 3105377; 7 (812) 2345819; URL: <http://www.pdmi.ras.ru/EIMI/2002/geo2/>.

* 28–30 **MathML 2002: MathML and Math on the Web International Conference**, Hickory Ridge Conference Center, Chicago, Illinois.

Description: The MathML conference provides a forum to present and discuss current research and applications, with major emphasis on MathML and technologies that ease the use of mathematical and scientific content on the web. It is the aim of this conference to bring together those people involved in creating the future of mathematics on the web. The conference embraces all areas of MathML technologies, including authoring, rendering, content management, collaboration, searching, archiving, and conversion. Of interest is work involving courseware or other technologies, such as XML, XSLT, web services, typesetting, and computer algebra, provided it relates principally to web-based mathematical communication.

Format: The conference format includes invited speakers, tutorials, contributed papers, posters, and software demonstrations. Participation is sought in all areas.

Information: General inquiries about the conference should be forwarded to info@mathmlconference.org. Additional conference details and submission guidelines are available at: <http://www.mathmlconference.org/>.

July 2002

* 7–10 **ISSAC 2002 International Symposium on Symbolic and Algebraic Computation**, University of Lille I, France.

Important Dates: Deadline for submissions: January 7, 2002; notification of acceptance: February 28, 2002; camera-ready copy received: March 22, 2002.

Conference Topics: Topics of the meeting include, but are not limited to: algorithmic mathematics, computer science, applications.

Best Student Author Award: This award will be given to the best student author. An author is eligible if full-time student at the time of submission; this should be indicated.

Information: <http://www.lifl.fr/issac2002/>.

* 8–12 **Harmonic Maps, Minimal Surfaces and Geometric Flows**, University of Bretagne Occidentale, Brest, France.

Information: <http://maths2.univ-brest.fr/~brest2002/>.

* 8–19 **Biomathematics Euro Summer School: Dynamical Systems in Physiology and Medicine**, Urbino, Italy.

Purpose: The purpose of the school is to present some fields of application of mathematical modelling of dynamical systems to physiology and medicine and concurrently to give a presentation of some of the mathematical techniques used in such modelling.

The school will offer five courses centered on the biological background and on the mathematical modelling of relevant biomed-

ical phenomena: the spread of cardiac electrical excitation, with the possible study of arrhythmias; the physiology of blood flow in the pulmonary circulation; the system controlling glucose blood levels by means of the hormone insulin; the activity and synchronisation of neurones; the mechanism of production of blood cells with attendant regulations and possible derangements. A workshop on current status and clinical usefulness of mathematical models of the glucose-insulin system, attended by international experts in the field, will complement the courses.

Support: Financial support is available for participants.

Organizing Committee: O. Arino, E. Beretta, A. De Gaetano (Managing Director), S. Panunzi, and F. Solimano.

Language: The official language of the school is English.

Information: If you are interested in coming to the school, please fill in the contact form on the school's web page and you will be kept up to date with all developments. <http://www.biomatematica.it/urbino2002/>.

* 18–19 **First Announcement and Call for Papers: MFCSIT2002, Second Irish Conference on the Mathematical Foundations of Computer Science and Information Technology**, National University of Ireland, Galway, Ireland.

Main Speakers: D. Holt (Warwick), <http://www.maths.warwick.ac.uk/~dfh/>; W. Lawvere (Buffalo, New York), <http://www.acsu.buffalo.edu/~wlawvere/>; P. Jeavons (Oxford), <http://web.comlab.ox.ac.uk/oucl/work/peter.jeavons/>; M. Hennessy (Sussex), <http://www.cogs.susx.ac.uk/users/matthewh/>; D. MacKay (Cambridge), <http://wol.ra.phy.cam.ac.uk/mackay/>; M. Sofroniu (Wolfram Research), <http://www.wri.com/>.

Organizing Committee: M. MacanAircinnigh (Computer Science, Trinity College, Dublin), A. K. Seda (Mathematics, NUI, Cork), M. Schellekens (Computer Science, NUI, Cork), T. Hurley (Mathematics, NUI, Galway), S. Flynn (Information Technology, NUI, Galway), M. McGettrick (Information Technology, NUI, Galway) N. Madden (Mathematics, NUI, Galway).

Information: Contact: MFCSIT2002@grobner.nuigalway.ie; <http://grobner.nuigalway.ie/MFCSIT2002/>.

* 21–August 3 **Summer School on Applications of Advanced Mathematical and Computational Methods to Atmospheric and Oceanic Problems**, National Center for Atmospheric Research (NCAR), Boulder, Colorado.

Description: The purpose of this interdisciplinary summer school is to bring together graduate students and specialists of meteorology and oceanography and applied mathematicians interested in such problems.

Topics: The summer school consists of background pedagogical lectures in the mornings, invited lectures and informal discussions in the afternoons. The background pedagogical lectures cover topics in mathematical methods (nonlinear systems, functional analysis, asymptotic techniques and stochastic methods), computational methods (multilevel modeling and adaptive methods, implicit methods, and Lagrangian methods), and science problems (atmospheric basics, Hamiltonian fluid dynamics, reduced systems, oceanography, and turbulence). The invited talks as well as the informal discussions will cover several important scientific issues; both state-of-the-art knowledge and future directions will be addressed.

Coordinators: R. Temam (Indiana Univ.), J. Tribbia (NCAR), S. Wang (Indiana Univ.).

Information: Both students and young scientists in the relevant fields are encouraged to participate, and partial financial support is available. For information, contact one of the coordinators or B. Hansford at NCAR, barbm@ucar.edu. See also <http://php.indiana.edu/~iuis/mcao02.htm>.

* 22–26 **Universal Algebra and Lattice Theory**, University of Szeged, Szeged, Hungary.

Invited Speakers: J. Berman, P. Dehornoy, M. Goldstern, E. W. Kiss, M. Maroti, P. P. Palfy, I. G. Rosenberg.

Program Committee: J. Jezek, K. Kearnes, R. Poschel, A. Romanowska, A. Szendrei, R. Willard.

Organizers: L. Szabo, A. Szendrei.

Information: For further information visit the conference home page at <http://www.math.u-szeged.hu/confer/algebra/2002/> or send an e-mail to algebra@server.math.u-szeged.hu.

August 2002

* 5-10 **6th Brazilian School of Probability**, Praia das Toninhas, Ubatuba, São Paulo, Brazil.

Aim: The school is intended as a forum to discuss new developments in probability and related areas, an occasion to detect new directions of research and to establish new collaborations and an opportunity for the students to begin their scientific life. Activities will include mini-courses, plenary talks by invited speakers, short communications and several problem sections to be delivered by senior invited researchers.

Invited Speakers: P. Collet (Ecole Polytechnic, France), B. Prum (Genopole Evry), S. Asmussen (Lundt Univ., Sweden), G. Giacomini (Paris 7, France), Y. Peres (Berkeley, USA), R. Schinazi (Univ. d'Aix Marseille, France).

Organizing committee: R. Fernandez, Coordinator; L. R. Fontes (IME-USP, Brazil); N. Lopes Garcia (IME-Unicamp, Brazil); F. Prates Machado (IME-USP, Brazil); G. Maillard (Univ. de Rouen, France).

Information: ebp6@ime.usp.br.

* 27-31 **7th International Symposium on Generalized Convexity/Monotonicity**, Institute of Mathematics, Hanoi, Vietnam.

Description: The symposium is aimed at bringing together researchers from all continents to report their latest results and to exchange new ideas in the field of generalized convexity and generalized monotonicity and its applications in optimization, control, stochastics, economics, management science, finance, engineering and related areas.

Invited speakers: J. Borwein, R. E. Burkard, B. Mordukhovich, H. Tuy.

Program Committee: J. E. Martinez-Legaz (co-chair), P. H. Sach (co-chair), R. Cambini, J. P. Crouzeix, A. Eberhard, N. Hadjisavvas, S. Komlosi, D. T. Luc, S. Schaible.

Co-chairs of the Organizing Committee: N. D. Cong, D. T. Luc.

Deadlines: Deadline for visa application with help of local organizers, April 15, 2002. Deadline for registration and submission of abstracts, June 30, 2002. Notification of acceptance, July 15, 2002.

Information: Visit <http://www.math.ac.vn/conference/gcm7/> or contact Dr. N. D. Cong, Hanoi Institute of Mathematics, P. O. Box 631, Bo Ho, Hanoi, Vietnam, ndcong@thevinh.ncst.ac.vn.

* 29-September 3 **Stochastic Analysis**, German Science Center, Beijing, China.

Organizers: S. Albeverio (Bonn), Z. M. Ma (Beijing), M. Röckner (Bielefeld).

Scientific Committee: L. Accardi, A. B. Cruzeiro, E. Bolthausen, M. F. Chen, K.D. Elworthy, H. Föllmer, M. Fukushima, F. Götze, L. Gross, N. Krylov, P. Malliavin, D. Nualart, G. Da Prato, J. A. Yan.

Topics: 1. Geometry on path space; 2. Infinite dimensional analysis, Dirichlet forms, measure-valued processes; 3. Noncommutative and quantum probability; 4. Pseudo-differential operators and jump processes; 5. Random media; 6. Statistical mechanics and particle systems; 7. Stochastic finance; 8. Stochastic methods in hydrodynamics and quantum field theory; 9. Stochastic partial differential equations.

Invited Speakers: A. B. Cruzeiro, B. Driver, A. Eberle, D. Elworthy, S. Fang, W. Stannat, F. Y. Wang, L. Accardi, U. Franz, K. R. Parthasarathy, M. Skeide, Y. G. Lu, B. Zegarlinski, M. F. Chen, W. Hoh, L. Bogachev, E. Bolthausen, J. D. Deuschel, F. Götze, F. Merkl, E. Presutti, D. Filipovic, Z. Brzezniak, H. Gottschalk, A. Sengupta, S. Cerrai, A. Debussche, V. Lototski.

Information: e-mail: conference@wiener.iam.uni-bonn.de.

September 2002

* 11-18 **NSEC8: Navier-Stokes Equations and Related Topics**, Euler International Mathematical Institute, St. Petersburg, Russia.

Scope: The conference is focused on mathematical problems arising in the theory of viscous fluids such as existence and uniqueness of solutions, differentiability properties of solutions, long-time behavior, and applications of the above topics to the analysis of contemporary problems in fluid mechanics.

Topics: Papers are solicited in all research areas related to mathematical problems in the theory of viscous fluids, including, but not limited to: compressible and incompressible Navier-Stokes equations; mathematical analysis of NS equations in bounded and unbounded domains; existence and regularity of solutions; stability and long time behavior of solutions, asymptotical analysis; properties of solutions in domains with nonsmooth boundaries; inviscid fluids; mathematical modeling of fluids with complex rheology; models of non-Newtonian fluids; visco-plastic and visco-elastic fluids; fluids with complex rheology (electrorheological fluids, magnetorheological fluids, etc.); mathematical aspects of computational analysis; approximation methods for compressible and incompressible viscous flows; convergence of finite element, finite volume, finite difference, and spectral methods; a priori and a posteriori estimates of the accuracy of approximations.

Program Committee: O. Ladyzhenskaya (St. Petersburg) (chairman); H. Amann (Zurich); H. Beirao da Veiga (Pisa); C. Fefferman (Princeton); Y. Giga (Hokudai); M. Gunzburger (Iowa); R. Kohn (New York); V. Pukhnachev (Novosibirsk); G. Seregin (St. Petersburg); V. Solonnikov (St. Petersburg).

Information: URL: <http://www.pdmi.ras.ru/EIMI/2002/NSEC8/>; e-mail: nsec8@imi.ras.ru; fax: 7 (812) 3105377; 7 (812) 2345819.

December 2002

* 9-13 **Title 27th Australasian Conference on Combinatorial Mathematics and Combinatorial Computing (27ACCMCC)**, The University of Newcastle, Newcastle, NSW, Australia.

Topics: 27ACCMCC is a forum in which researchers can present their work and exchange ideas with others in their field. Topics of interest cover all areas of combinatorial mathematics, combinatorial computing, and combinatorial optimization.

Invited Speakers: D. Cvetkovic (Univ. of Belgrade); M. Fellows (Univ. of Newcastle); M. Miller (Univ. of Newcastle); A. Rosa (McMaster Univ.); J. Siran (Slovak Univ. of Technology).

Organizers: L. Brankovic (Univ. of Newcastle); R. Webber (Univ. of Newcastle); N. Natchimuthu (Univ. of Newcastle); L. Mathieson (Univ. of Newcastle); M. Skerritt (Univ. of Newcastle).

Information: <http://www.cs.newcastle.edu.au/~accmcc/>; accmcc@cs.newcastle.edu.au.