
Mathematics Calendar

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

June 2007

2007 **International Conference on Learning**, Johannesburg, South Africa. (Apr. 2007, p. 556)

* 1–3 **The 16th International Workshop on Matrices and Statistics**, University of Windsor, Windsor, Ontario, Canada.

Purpose: To stimulate research, in an informal setting, and to foster the interaction of researchers in the interface between matrix theory and statistics. The workshop will include both invited and contributed talks, and a special session with talks and posters by graduate students is planned. A special issue of the journal *Linear Algebra and its Applications* will be published devoted to selected papers presented at the conference. Please note that the International Organizing Committee includes George P. H. Styan, Chair (McGill), Simo Puntanen, Vice-chair (Finland), S. Ejaz Ahmed, LOC chair (Windsor), Jeffrey J. Hunter (New Zealand), Augustyn Markiewicz (Poland), Gatz Trenkler (Germany), Dietrich von Rosen (Sweden), Hans Joachim Werner (Germany).

Information: For information about abstract submission, or to participate as a speaker, please email Dr. Styan at email: styan@math.mcgill.ca; <http://www.uwindsor.ca/iwms>; email: iwms@uwindsor.ca.

1–5 **Sampling Theory and Applications 07 (SAMPTA07)**, Aristotle Univ. of Thessaloniki, Thessaloniki, Greece. (Dec. 2006, p. 1378)

1–7 **International Conference—Leonhard Euler and Modern Combinatorics: Applications to Logic, Representation Theory, Mathematical Physics**, Euler IMI, St. Petersburg, Russia. (Mar. 2007, p. 435)

2 **Developments in Algebraic Geometry**, Brown University, Prov-

idence, Rhode Island. (Apr. 2007, p. 556)

2–9 **Symmetry and Perturbation Theory**, Otranto (Lecce), Italy. (Feb. 2007, p. 305)

* 4–5 **Colloquium António Aniceto Monteiro on the centenary of his birth**, Museu de Ciência da Universidade de Lisboa, Lisboa, Portugal.

Description: On the centenary of the birth of the Portuguese mathematician António Aniceto Monteiro, the Portuguese Mathematical Society (SPM) and †the Museum of Science of the University of Lisbon jointly organize a colloquium in his honour. This colloquium is mostly devoted to the historical aspects of the life and scientific work of A. A. Monteiro, as well as their impact on the development of science in Portugal, Brazil and Argentina. In addition, the colloquium comprises a number of invited talks on the scientific aspects and recent developments in research topics closely related †to the work of A.A. Monteiro.

Speakers: Kátia Amaral Monteiro (Universidade de Évora, Portugal), Gabriela Bordalo (Universidade de Lisboa, Portugal), Oswaldo Chateaubriand (Universidade Católica do Rio de Janeiro, Brazil), Roberto Cignoli (Universidad de Buenos Aires, Argentina), Augusto Fitas (Universidade de Évora, Portugal), Ernesto Garcia Camarero (Universidad Complutense de Madrid, Spain), Laura Lopes (Brazil), Luiz Monteiro (Universidad Nacional del Sur, Bahía Blanca, Argentina), Daniele Mundici (Università di Firenze, Italy), Eduardo Ortiz (Imperial College, London, United Kingdom), António Passos Videira (Universidade do Estado do Rio de Janeiro, Brazil), Margarita Ramalho (Universidade de Lisboa, Portugal), Jorge Rezende (Universidade de Lisboa, Portugal), Fernando Rosas (Universidade Nova de Lisboa, Portugal), Edgardo Stacco (Universidad Nacional del Sur, Bahía Blanca, Argentina), Júlia Vaz de Carvalho (Universidade

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 **eight 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/July, 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/>.

Nova de Lisboa, Portugal).

Organizer: Sociedade Portuguesa de Matemática, Museu de Ciência da Universidade de Lisboa.

Deadline for Registration: May 31, 2007 (April 30, 2007 at a lower rate).

Information: <http://aam.cii.fc.ul.pt/>.

* 4-7 **DIMACS Workshop on Markov Chain Monte Carlo: Synthesizing Theory and Practice**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey.

Short Description: In the past two decades researchers in discrete mathematics and the theory of computing have made enormous theoretical strides in sampling via Markov chains, sometimes known as MCMC (Markov Chain Monte Carlo). We plan to begin with a one-day tutorial on MCMC and on sampling issues in general, understandable to graduate students and a general math/statistics/computer science audience. The tutorial will be about half devoted to mathematical results on MCMC and half to MCMC in statistics.

Organizers: Jim Fill, Johns Hopkins University, jimfill@jhu.edu; Jim Hobert, University of Florida, jhobert@stat.ufl.edu; Antonietta Mira, University of Insubria (Italy), amira@eco.unisubria.it; Luke Tierney, University of Iowa, luke@stat.uiowa.edu; Peter Winkler, Dartmouth College, peter.winkler@dartmouth.edu.

Local Arrangements: Linda Casals, Workshop Coordinator, DIMACS Center, lindac@dimacs.rutgers.edu. DIMACS Publicity Coordinator, workshop@dimacs.rutgers.edu; 732-445-5928; <http://dimacs.rutgers.edu/Workshops/MonteCarlo>.

4-8 **Arithmetic Harmonic Analysis on Character and Quiver Varieties**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2006, p. 714)

4-9 **Algebraic Geometry in Higher Dimensions**, G. Hotel Bellavista, Levico Terme (Trento), Italy. (Apr. 2007, p. 557)

4-15 **Moduli spaces of Riemann surfaces and related topics**, Centre de Recherches Mathématiques, Montreal, Canada. (Jan. 2007, p. 63)

7-9 **International Conference—Mathematical Hydrodynamics: Euler Equations and Related Topics**, Euler IMI, St. Petersburg, Russia. (Mar. 2007, p. 439)

7-9 **Ordinal and Symbolic Data Analysis (OSDA) 2007**, Ghent University, Ghent, Belgium. (Jan. 2007, p. 64)

7-10 **74th Workshop on General Algebra**, Tampere University of Technology, Tampere, Finland. (Apr. 2007, p. 557)

8-13 **The Ninth International Conference on Geometry, Integrability and Quantization**, Sts. Constantine and Elena resort, Varna, Bulgaria. (Feb. 2007, p. 305)

8-14 **33rd International Conference: Applications of Mathematics in Engineering and Economics**, Sozopol, Bulgaria. (Mar. 2007, p. 435)

10-12 **Leonhard Euler Festival**, Euler IMI, St. Petersburg, Russia. (Mar. 2007, p. 435)

10-12 **Special Congress on the occasion of the 300th anniversary of Leonhard Euler's birth**, St. Petersburg, Russia. (Feb. 2007, p. 305)

10-15 **IPM Logic Conference 2007**, School of Mathematics, Institute for Studies in Theoretical Physics and Mathematics (IPM), Tehran, Iran. (May 2007, p. 661)

11-12 **SPEED: Software Performance Enhancement for Encryption and Decryption**, Amsterdam, the Netherlands. (Apr. 2007, p. 557)

11-15 **An Algebraic Geometry Conference**, IHP, Paris, France. (Sept. 2006, p. 960)

11-15 **Barcelona Conference on C*- Algebras and Their Invariants**, Centre de Recerca Matemàtica, Barcelona, Spain. (Jan. 2007,

p. 64)

11-15 **Conference on Complex Function Theory and Geometry**, Warsaw, Poland. (Mar. 2007, p. 435)

11-16 **QTRF4 - Quantum Theory: Reconsiderations and Foundations 4**, International Centre for Mathematical Modelling in Physics, Engineering and Cognitive Sciences at Vaxjo University, Sweden. (May 2007, p. 661)

* 11-22 **Sixth Working Days of Introduction of Dynamical Systems and PDE's: Sixth *JORNADES D'INTRODUCCIO ALS SISTEMES DINAMICS I A LES EDP'S (JISD2007)**, Barcelona, Spain.

Organizers: This year the Jornades are organized jointly with the Summer School NEEDS 2007 (Nonlinear evolution equations and dynamical systems): <http://www.needs-conferences.net/2007/>, and with GLOBAL School on PDEs: layers and dislocations: <http://www.ma1.upc.edu/recerca/seminaris/JISD2007/indexpdes07.html>.

Description: The JISD2007 courses belong to the Master in Applied Mathematics, inside the Graduate studies at UPC, and are organized by Xavier Cabre, Amadeu Delshams, and Tere M. Seara. The Summer School NEEDS 2007 courses are organized by David Gomez-Ullate, Andrew Hone, Sara Lombardo and Joaquim Puig.

Courses: 1ST WEEK (June 11-15): FME, UPC, Barcelona. Dario Bambusi (Univ. Milano): Normal Form for Hamiltonian PDEs; Vadim Kaloshin (Penn State Univ. and Univ. Maryland): Instabilities in the 3 Body Problem; Rafael de la Llave (Univ. Texas at Austin): Introduction to the Properties of Extended Systems. Summer School NEEDS (June 16-17), L'Ametlla de Mar, Tarragona. Alastair Rucklidge (Leeds University), An Introduction to Pattern Formation; Carles Simo (Univ. Barcelona), Properties of Low Dimensional Dynamical Systems in the Large; Paolo M. Santini (Univ. Roma "La Sapienza"), The Transition from Regular to Irregular Motion: As Travel on Riemann Surfaces; Steven H. Strogatz (Cornell University), Synchronization and Networks. 2ND WEEK: (June 18-22), FME, UPC, Barcelona. Changfeng Gui (Univ. Connecticut), Multi Peak Solutions and Solutions of Semilinear Equations in Phase Transitions and a Conjecture of De Giorgi; Regis Monneau (CERMICS-ENPC, France), Introduction to Dislocations Dynamics.

Deadline: To apply for financial support: April 30, 2007.

Information: <http://www.ma1.upc.edu/recerca/seminaris/JISD2007/indexjisd2007.html>.

11-22 **Workshop: Real, Tropical, and Complex Enumerative Geometry**, Centre de recherches mathématiques, Montréal, Québec, Canada. (Feb. 2007, p. 305)

11-July 6 **Clay Mathematics Institute 2007 Summer School on "Homogeneous flows, moduli spaces, and arithmetic"**, Centro di Ricerca Matematica Ennio De Giorgi, Pisa, Italy. (Feb. 2007, p. 305)

12-14 **Conference on Ordered Statistical Data and Inequalities: Theory & Applications**, The University of Jordan, Amman, Jordan. (Dec. 2006, p. 1378)

* 13-16 **Recent Advances in Differential Geometry: International Conference in honour of Prof. O. Kowalski**, University of Lecce, Italy.

Second Announcement: A celebration of the scientific activity of Prof. Kowalski (Prague), the conference will be the opportunity for the presentation of recent results in the framework of Differential Geometry.

Information: In the future, further news and information will be available at the Conference website: <http://www.diffgeo.unile.it>. Contact: diffgeo@unile.it.

13-19 **International Conference on Arithmetic Geometry**, Euler IMI, St. Petersburg, Russia. (Mar. 2007, p. 435)

14-16 **Model Theory and Algebra**, Department of Mathematics and Computer Science, Camerino, Italy. (Mar. 2007, p. 435)

- 14–16 **The XVth International Colloquium on Integrable Systems and Quantum symmetries**, Czech Technical University, Prague, Czech Republic. (Nov. 2006, p. 1253)
- 15–17 **Algebraic Methods in Functional Analysis**, Chalmers University of Technology and Gothenburg University, Gothenburg, Sweden. (May 2007, p. 662)
- 15–17 **International Conference on Rings and Things: Dedicated to Carl Faith on his 80th birthday and Barbara Osofsky on her 70th**, Ohio University, Zanesville, Ohio. (Mar. 2007, p. 436)
- 15–24 **NEEDS 2007 (Nonlinear Evolution Equations and Dynamical Systems)**, L'Ametlla de Mar, Spain. (Feb. 2007, p. 305)
- 16–17 **NEEDS 2007 School**, L'Ametlla de Mar, Spain. (Feb. 2007, p. 305)
- 16–19 **XVI Congreso Nacional de Matematicas**, Medellin, Colombia. (May 2007, p. 662)
- * 17–22 **2007 USENIX Annual Technical Conference (USENIX '07)**, Hyatt Regency Santa Clara, 5101 Great America Parkway, Santa Clara, California.
Description: USENIX '07 will feature an extensive training program, covering crucial topics and led by highly respected instructors. Technical sessions, featuring the Refereed Papers Track, Invited Talks, and a Poster Session, plus BoFs and more! Join the community of programmers, developers, and systems professionals in sharing solutions and fresh ideas.
Information: email: conference@usenix.org.
- 17–23 **International Conference: Skorokhod Space. 50 Years On**, Institute of Mathematics of the National Academy of Sciences of Ukraine, Kyiv, Ukraine. (Feb. 2007, p. 305)
- 17–23 **Trends in Harmonic Analysis**, Strobl, Salzburg, Austria. (Feb. 2007, p. 305)
- 18–21 **Summer School in Model Theory**, Department of Mathematics and Computer Science, Camerino, Italy. (Mar. 2007, p. 436)
- * 18–22 **2007 International Conference on Geometric Analysis**, Department of Mathematics, National Taiwan University, Taipei, Taiwan.
Speakers: H.D. Cao (Lehigh University, USA), Jianguo Cao (University of Notre Dame, USA), Der-Chen Chang (Georgetown University, USA), Richard Hamilton (Columbia University, USA), (To be confirmed), Xiaojun Huang (Rutgers University, USA), Shanyu Ji (University of Houston, USA), Peter Li (University of California, Irvine, USA), John Loftin (Rutgers University, USA), Lei Ni (University of California, San Diego, USA), D. H. Phong (Columbia University, USA), L-F. Tam (Chinese University, Hong Kong), Burkhard Wilking (Fachbereich Mathematik und Informatik, Germany), Jon Wolfson (Michigan State University, East Lansing, USA), Sumio Yamada (Tohoku University, Japan), Stephen Yau (University of Illinois at Chicago, USA).
Information: <http://www.tims.ntu.edu.tw/GA2007/>. For any questions related to the conference, please email ga2007@math.ntu.edu.tw.
- 18–22 **Cherednik Algebras**, University of Edinburgh, Edinburgh, Scotland. (May 2007, p. 662)
- 18–23 **Combinatorics and Optimization 40th Anniversary Conference**, University of Waterloo, Waterloo, Ontario, Canada. (Sept. 2006, p. 960)
- 18–23 **Computability in Europe 2007 (CiE 2007)**, Siena, Italy. (Feb. 2007, p. 305)
- 18–23 **Russian-German Geometry Meeting dedicated to the 95th anniversary of A. D. Alexandrov**, Euler IMI, St. Petersburg, Russia. (Mar. 2007, p. 436)
- 18–24 **Algebraic Topology: Old and New (M. M. Postnikov Memorial Conference)**, Stefan Banach International Mathematical Center (Bedlewo, Poland). (Jan. 2007, p. 64)
- 18–29 **Flow in Porous Media with Emphasis on Modeling Oil Reservoirs**, University of Wyoming, Laramie, Wyoming. (Jan. 2007, p. 64)
- 18–29 **Hamiltonian Dynamical Systems and Applications Systèmes Dynamiques Hamiltoniens et Applications**, Université de Montréal, Montréal, Québec, Canada. (Feb. 2007, p. 306)
- 19–22 **Computational Algebraic Geometry**, Oakland University, Rochester, Michigan. (Feb. 2007, p. 306)
- 19–22 **Thirteenth Annual Conference of African American researchers in the mathematical sciences (CAARMS13)**, Northeastern University and University of Massachusetts, Boston, Massachusetts. (May 2007, p. 662)
- * 20–22 **International Conference “in Nonsmooth and Variational Analysis in Sciences and Engineering” (NVA 2007)**, Université de Limoges, France.
Topics: Convex analysis and optimization, Nonsmooth analysis, Variational analysis, Nonsmooth dynamical systems, Complementarity problems, Applications in mechanics and in electronics.
Invited Speakers: H. Attouch (Université Montpellier II, France), Gerald A. Beer (California State University, Los Angeles, USA), Maitine Bergounioux (Université d'Orléans, France), Jonathan M. Borwein (Dalhousie University, Canada), J.-Frédéric Bonnans (Inria, France), Guy Bouchitté (Université de Toulon et du Var, France), Bernard Brogliato (INRIA Rhône-Alpes, France), Patrick-Louis Combettes (Université Paris 6, France), Darinka Dentcheva (Stevens Institute of Technology, USA), Daniel Goeleven (Université de La Réunion, France), Masao Fukushima (Kyoto University, Japan), Marco Lopez (Universidad de Alicante, Spain), Roberto Lucchetti (Politecnico di Milano, Italy), Antonino Maugeri (Università di Catania, Italy), Boris Mordukhovich (Wayne State University, USA), Jean-Paul Penot (Université de Pau, France), Julian Revalski (Bulgarian Academy of Sciences, Bulgaria), Stephen Simons (University of California, Santa Barbara, USA), Jie Sun (National University of Singapore, Singapore), Lionel Thibault (Université de Montpellier II, France).
Important dates: Inscription: April 30, 2007. Deadline of submission (pdf abstract 1-2 pages): April 30, 2007. Notification of acceptance: May 15, 2007. Final program: May 31, 2007.
Information: <http://www.unilim.fr/nva2007>.
- 20–23 **International Conference “Trends and Challenges in Applied Mathematics” (ICTCAM 2007)**, Technical University of Civil Engineering, Bucharest, Romania. (Feb. 2007, p. 306)
- * 20–23 **Mathematics of Social Justice Course Development Workshop**, Middlebury College, Middlebury, Vermont.
Program: Workshop participants will work collaboratively on modules for a variety of mathematics and statistics courses, exploring connections between quantitative literacy and social justice issues such as apportionment, income distribution, and the environment. Working groups will also consider models for service-learning projects in mathematics courses. This meeting will build on the work begun at Lafayette College in May of 2006; as with that workshop, some specific topics will be determined by the participants.
Information: <http://community.middlebury.edu/~bremser/MSJ2Announce.htm>.
- 21–26 **Conference on Riemannian Geometry and Applications: Dedicated to the memory of Radu Rosca**, Brasov, Romania. (Mar. 2007, p. 436)
- 24–26 **Mathematical Modelling in Sport**, Salford Quays Conference Centre, Salford, Manchester, UK. (Apr. 2007, p. 557)
- 24–29 **Fifth School on Analysis and Geometry in Metric Spaces**, Grand Hotel Bellavista, Levico Terme (Trento), Italy. (Apr. 2007, p. 557)
- 24–30 **Lyapunov Memorial Conference: International Conference on the occasion of the 150th Birthday of Aleksandr Lyapunov**,

Karazin Kharkiv National University and Verkin Institute for Low Temperature Physics, Kharkiv, Ukraine. (Sept. 2006, p. 960)

24–30 **Seventh International Conference “Symmetry in Nonlinear Mathematical Physics”**, Institute of Mathematics, Kiev, Ukraine. (Sept. 2006, p. 960)

24–July 1 **45th International Symposium on Functional Equations**, Bielsko-Biala, Poland. (Dec. 2006, p. 1379)

25–28 **The 2007 World Congress in Computer Science, Computer Engineering, and Applied Computing: WORLDCOMP’07**, Las Vegas, Nevada. (May 2007, p. 662)

25–29 **Braids**, Inst. Math. Sciences, National Univ., Singapore, Singapore. (Mar. 2007, p. 436)

25–29 **Conference on Enumeration and Probabilistic Methods in Combinatorics**, Centre de Recerca Matemàtica, Barcelona, Spain. (Jan. 2007, p. 64)

25–29 **First International Summer School on Geometry, Mechanics and Control**, Castro Urdiales, Cantabria, Spain. (Apr. 2007, p. 557)

25–29 **Number Theory and Computability**, ICMS, Edinburgh, Scotland. (May 2007, p. 662)

25–29 **Summer School on Algebra and Combinatorics**, CELC, University of Lisbon, Portugal. (May 2007, p. 662)

*25–29 **International Workshop on Zeta Functions in Algebra and Geometry**, Escuela de Informatica de Segovia, Segovia, Spain. **Aims and Scope:** The conference will focus on current advances and perspectives related with the following topics: (1) arithmetic and geometric aspects of local, topological, and motivic zeta functions, (2) Poincare Series of Valuations, (3) Zeta functions in algebra, (4) prehomogeneous vector spaces and zeta functions, (5) Orbital Integrals, representation theory and motivic integration, (6) Kapranov zeta function.

Scientific Committee: A. Campillo (Spain), M. Du Sato (U.K.), S. M. Gusein-Zade (Russia), F. Loeser (France), I. Luengo (Spain), Y. Manin (Germany), W. Veys (Belgium), F. Sato (Japan).

Invited Speakers: David Bourqui, Pierrette Cassou-Noguès, Raf Cluckers, Félix Delgado, Christopher Deninger, Wolfgang Ebeling, Sabir Gusein-Zade, Fritz Grunewald, Andrei Jaikin, Franziska Heinloth, Mikhail Kapranov, Michael Larsen, Ben Lichtin, Johannes Nicaise, Alexei Panthchikine, Fumihiro Sato, Hiroshi Saito, Dirk Segers, Duco van Straten, Yuri Tschinkel, Christopher Voll.

Information: <http://euclid.barry.edu/~zuniga/Workshop.htm>.

25–29 **Workshop on “Modeling, Analysis and Simulation of Multiscale Nonlinear Systems” in cooperation with SIAM Activity Group on Geosciences**, Oregon State University, Corvallis, Oregon. (Mar. 2007, p. 436)

25–30 **16th Summer St. Petersburg Meeting on Mathematical Analysis**, Euler IM, St. Petersburg, Russia. (Mar. 2007, p. 457)

25–30 **ERLOGOL-2007: Intermediate problems of model theory and universal algebra**, State Technical University–Math Institute, Novosibirsk, Novosibirsk–Altai/Russia. (Oct. 2006, p. 1091)

25–30 **International Conference “Algebraic Analysis and Around”: in honor of Masaki Kashiwara’s 60th birthday**, Kyoto University, Kyoto, Japan. (Jan. 2007, p. 64)

*26–28 **Workshop on Nonparametric Inference—WNI2008**, Coimbra, Portugal.

Information: <http://www.mat.uc.pt/~wni2008>.

26–29 **ALM (Adults learning mathematics) 14th International Conference**, Limerick University, Limerick, Republic of Ireland. (Feb. 2007, p. 306)

26–29 **Nonlinear Modeling and Control, An International Seminar**, Nayanova University, Samara, Russia. (Feb. 2007, p. 306)

26–30 **ICDS International Conference on Dynamical Systems 2007**, Abant Ýzzet Baysal University, Bolu, Turkey. (May 2007, p. 662)

28–30 **Fourth European PKI Workshop: Theory and Practice**, University of Illes Balears, Mallorca, Spain. (Mar. 2007, p. 437)

28–30 **Third Statistical Days at the University of Luxembourg**, University of Luxembourg, Luxembourg, Luxembourg. (Apr. 2007, p. 557)

28–July 4 **6th Congress of Romanian Mathematicians**, Faculty of Mathematics and Computer Science, University of Bucharest, Bucharest, Romania. (Sept. 2006, p. 960)

29–July 1 **SIAM Conference on Control and Its Applications (CT07)**, Hyatt Regency San Francisco Airport, San Francisco, California. (Feb. 2007, p. 306)

30–July 1 **Advanced Numerical Techniques in Applied Dynamical Systems**, Centre de recherches mathématiques, Université de Montréal, Montréal, Canada. (May 2007, p. 662)

30–July 7 **14th International Conference on Waves and Stability in Continuous Media (WASCOM07)**, Hotel Village Baia Samuele, Scicli, Ragusa, Italy. (Mar. 2007, p. 437)

July 2007

1–4 **Fifth Mathematics & Design International Conference (M&D-2007)**, Universidade Regional de Blumenau, Blumenau, SC - Brazil. (Mar. 2007, p. 437)

1–7 **The VI International Algebraic Conference in Ukraine, dedicated to the 100th anniversary of D. K. Faddeev**, Kamenets-Podol'sky State University, Kamenets-Podol'sky, Ukraine. (Dec. 2006, p. 1379)

1–13 **Cohomology of groups and Algebraic K-theory**, Center of Math Sciences, Zhejiang University, China. (Dec. 2006, p. 1379)

2–4 **The 2007 International Conference of Applied and Engineering Mathematics**, Imperial College London, London, U.K. (Nov. 2006, p. 1253)

*2–4 **Workshop: Hyperbolic Volume 2007**, University of Fribourg, Fribourg, Switzerland.

Purpose: To learn about the diverse new developments around hyperbolic volume.

Sponsors: University of Fribourg, Swiss National Science Foundation, Illcycle romand des mathématiques, Stiftung zur Förderung der Mathematischen Wissenschaften in der Schweiz.

Organizers: Ruth Kellerhals (Fribourg) and Robert Meyerhoff (Boston).

Information: ruth.kellerhals@unifr.ch; <http://commonweb.unifr.ch/math/events/WorkshopHypVol107/welcome.html>.

2–6 **9th Conference on Orthogonal Polynomials Special Functions and Applications (OPSFA9)**, International Center for Mathematical Meetings, Marseille, France. (May 2007, p. 662)

2–6 **19th International Conference on Formal Power Series and Algebraic Combinatorics**, Nankai University, Tianjin, China. (Feb. 2007, p. 306)

2–6 **25th Journées Arithmétiques**, University of Edinburgh, Scotland, UK. (May 2006, p. 612)

2–6 **Advanced Algorithms and Numerical Software for the Bifurcation Analysis of Dynamical Systems**, Centre de recherches mathématiques, Université de Montréal, Montréal, Canada. (May 2007, p. 662)

2–6 **Des équations aux dérivées partielles au calcul scientifique: Congrès en l'honneur de Luc Tartar à l'occasion de son soixantième anniversaire**, Carré des Sciences, Ancienne Ecole Polytechnique, Paris, France. (Jan. 2007, p. 64)

- 2-6 **Design Theory of Alex Rosa, a meeting in celebration of Alex Rosa's 70th Birthday**, Bratislava, Slovakia. (Sept. 2006, p. 961)
- *2-6 **French-Israeli-Russian Workshop "Global Fields: Algebra, Geometry, Arithmetic, Asymptotics"**, Independent University of Moscow, Moscow, Russia.
Program: The workshop will cover all aspects of number fields and function fields, including algebraic groups over such fields. It is conceived for bringing together graduate students, postdocs, and more experienced researchers working in the area.
Organizers: Boris Kunyavskii (Bar-Ilan University), kunyav@macs.biu.ac.il; Gilles Lachaud (IML), lachaud@iml.univ-mrs.fr; Michael Tsfasman (Poncelat lab and IITP RAS), tsfasman@iml.univ-mrs.fr; Serge Vladuts (IML and IITP RAS), vladut@iml.univ-mrs.fr; Alexey Zykin (Independent University of Moscow, Steklov Institute, and IML), zykina@iml.univ-mrs.fr.
Visas: If you need a Russian visa, you are requested to contact Liza Kryukova at poncelat@mccme.ru as soon as possible.
Information: email: kunyav@macs.biu.ac.il.
- *2-6 **Representation Theory, System of Differential Equations and their Related Topics**, Hokkaido University, Sapporo, Japan.
Organizers: Keiji Matsumoto (Hokkaido University), Hiroyuki Ochiai (Nagoya University), Toshio Oshima (University of Tokyo), Mutsumi Saito (Hokkaido University), Hiroaki Terao (Hokkaido University), Hiroshi Yamashita (Hokkaido University).
Information: <http://coe.math.sci.hokudai.ac.jp/sympo/070702/>; cri@math.sci.hokudai.ac.jp. This conference is supported by The Pacific Rim Mathematical Association (PRIMA) <http://www.primath.org/>.
- 2-7 **International Conference: Modular Forms and Moduli Spaces**, Euler IMI, St. Petersburg, Russia. (Mar. 2007, p. 437)
- 2-13 **Geometry and Lie Theory**, Australian National University, Canberra, and University of Sydney, Australia. (Feb. 2007, p. 306)
- 2-20 **Geometric and Topological Methods for Quantum Field Theory**, Villa de Leyva, Colombia. (Apr. 2007, p. 558)
- 3-6 **18th International Workshop on Operator Theory and its Applications (IWOTA-2007)**, North-West University, Potchefstroom, South Africa. (Dec. 2006, p. 1379)
- 3-7 **Symposium on the differential geometry of submanifolds**, University of Valenciennes, Valenciennes, France. (Mar. 2007, p. 437)
- 4-7 **APFA 6: Applications of Physics in Financial Analysis Conference**, ISCTE Business School, Lisbon, Portugal. (Feb. 2007, p. 307)
- 4-8 **International Conference on Nonlinear Operators, Differential Equations and Applications (ICNODEA 2007)**, Babes-Bolyai University, Cluj-Napoca, Romania. (Oct. 2006, p. 1091)
- 5-8 **XVth Oporto Meeting on Geometry, Topology and Physics**, University of the Algarve, Faro, Portugal. (Apr. 2007, p. 558)
- *6-11 **The Second International Congress of Algebra and Combinatorics: Dedicated to the 70th birthday of Leonid A. Bokut**, Beijing University of Aeronautics and Astronautics, Beijing, China.
Topics: Group Theory, Ring Theory, Hopf Algebras and Lie Algebras, Graph Theory, Codes and Designs, Combinatorics Methods.
Scientific Committee: Will be chaired by Professor Efim Zelmanov (USA): Zhe-Xian Wan, (China), T. Arad (Israel), E. Bannai (Japan), M. Broue (France), K. Denecke (Germany), M. M. Deza (France), R. Gonchigdorz (Mongolia), R. Graham (USA), M. Ito (Japan), K. Ueno (Japan), T. Y. Lam (USA), V. Latyshev (Russia), L. Marki (Hungary), A. V. Mikhalev (Russia), H. C. Myung (South Korea), M. Jambu (France), C. Procesi (Italy), C. Ringel (Germany), K. Saito (Japan), I. Shestakov (Brazil), L. Shevrin (Russia), L. Small (USA), B. Wegner (Germany), V. A. Artamonov (Moscow), E. C. Tan (Singapore).
Information: Efim Zelmanov: email: ezelmanov@ucsd.edu.
- *8-11 **Invited Session: "The Educational Method of Management on Conditions of Extreme Situations" along with the workshop International Conference on Knowledge Generation, Communication and Management: KGCM 2007**, Orlando, Florida.
Deadlines: Papers/Abstract Submissions and Invited Sessions Proposal: April 12th. Authors Notification: May 3rd. Camera-ready, full papers: May 24th.
Session organizer: All abstracts and papers should be sent to and more information can be obtained by contacting: Professor Boli Yarkulov, profyarkulov@yahoo.com. phone: +998662291481; <http://iiis-cyber.org/kgcm2007/Invitedsession/InvitedSessionPre.asp?vc=18>.
- *12-15 **The Second International Congress of Algebra and Combinatorics: Dedicated to the 70th birthday of Leonid A. Bokut**, Xi'an University of Architecture and Technology, Xi'an, China.
Topics: Semigroups and Semi-rings, Words and Languages, Applications of Algebra and Combinatorics in Theoretical Computer Science.
Scientific Committee: Will be chaired by Professor Efim Zelmanov (USA): Zhe-Xian Wan, (China), T. Arad (Israel), E. Bannai (Japan), M. Broue (France), K. Denecke (Germany), M. M. Deza (France), R. Gonchigdorz (Mongolia), R. Graham (USA), M. Ito (Japan), K. Ueno (Japan), T. Y. Lam (USA), V. Latyshev (Russia), L. Marki (Hungary), A. V. Mikhalev (Russia), H. C. Myung (South Korea), M. Jambu (France), C. Procesi (Italy), C. Ringel (Germany), K. Saito (Japan), I. Shestakov (Brazil), L. Shevrin (Russia), L. Small (USA), B. Wegner (Germany), V. A. Artamonov (Moscow), E. C. Tan (Singapore).
Information: Efim Zelmanov: email: ezelmanov@ucsd.edu.
- 6-12 **Sixth Summer School on Potential Theory and Applications**, Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, Sofia, Bulgaria. (Feb. 2007, p. 307)
- 8-12 **2007 von Neumann Symposium**, Snowbird, Utah. (Dec. 2006, p. 1379)
- 8-12 **International Conference on Analytical Methods of Celestial Mechanics**, Euler IMI, St. Petersburg, Russia. (Mar. 2007, p. 438)
- 8-21 **37th Probability Summer School**, Saint-Flour, France. (May 2007, p. 663)
- 9-12 (REVISED DEADLINE) **International Conference on Artificial Intelligence and Pattern Recognition**, Orlando, Florida. (Aug. 2006, p. 824)
- 9-12 **International Conference on Enterprise Information Systems and Web Technologies**, Orlando, Florida. (Aug. 2006, p. 824)
- 9-12 **International Conference on High Performance Computing, Networking and Communication Systems**, Orlando, Florida. (Aug. 2006, p. 824)
- 9-12 **International Conference on Software Engineering Theory and Practice (SETP-07)**, Orlando, Florida. (Aug. 2006, p. 824)
- 9-13 **Conference on Applied Mathematics and Scientific Computing**, Brijuni Island, Croatia. (Dec. 2006, p. 1379)
- 9-13 **Dynamics Days Europe 2007**, Loughborough University, United Kingdom. (Jan. 2006, p. 70)
- *9-13 **First French-Spanish Congress of Mathematics**, Universidad de Zaragoza, Spain.
Plenary Speakers: Enrique Artal, Yves Benoist, Xavier Cabré, Michel Ledoux, François Loeser, Consuelo Martínez, Carlos Parés, Benoit Perthame, Olivier Pironneau, Ana Vargas.
Organizer: "Real Sociedad Matemática Española" (RSME), the "Société Mathématique de France" (SMF), and the "Sociedad Española de Matemática Aplicada" (SEMA).
Information: Besides the plenary lectures, there will be special sessions covering a broad range of mathematics, together with some

parallel activities (expositions, round tables, ...). More information at the web: <http://www.unizar.es/ICHFM07>.

*9-13 **Further Developments in Quantitative Finance**, International Centre for Mathematical Sciences, ICMS, Edinburgh, Scotland, United Kingdom.

Information: <http://www.icms.org.uk/workshops/quantfin2>.

9-13 **PRACQSYS2007: The Principles and Applications of Control in Quantum Systems**, Sydney, Australia. (May 2007, p. 663)

9-27 **Graduate Summer School: Probabilistic Models of Cognition: The Mathematics of Mind**, UCLA, Los Angeles, California. (May 2007, p. 663)

9-August 3 **Program on Computational Methods in Biomolecular Structures and Interaction Networks**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Mar. 2007, p. 438)

12-14 **Sixth International Conference on Lattice Path Combinatorics and Applications**, East Tennessee State University, Johnson City, Tennessee. (Oct. 2006, p. 1091)

13-19 **1007 ASL European Summer Meeting (Logic Colloquium '07)**, Wrocław, Poland. (Jan. 2007, p. 64)

16-19 **Communicating Mathematics**, Duluth, Minnesota. (Apr. 2007, p. 558)

*16-20 **Conference on Algorithmic Complexity and Universal Algebra**, Bolyai Institute, University of Szeged, Szeged, Hungary.

Program: Many real-life and combinatorial problems can be naturally expressed as a constraint satisfaction problem (CSP), making it a universal, easy to understand declarative programming language. The two key open problems are to characterize those classes of CSPs that are solvable in polynomial time, and to prove the dichotomy conjecture stating that every CSP class is either in P or NP-complete. The focus of this conference is to explore and disseminate the interplay between universal algebra and the CSP that has already led to a number of interesting (and deep) results, and to study novel properties of algebras, related to or implied by CSP conjectures, but of independent interest.

Speakers: Victor Dalmau, Marcin Kozik, Ralph McKenzie, Jaroslav Nesetril, Vera Vertesi.

Deadlines: Early registration till June 12, 2007.

Information: <http://www.math.u-szeged.hu/confer/algebra/>.

16-20 **International Congress on Industrial and Applied Mathematics, ICIAM07**, ETH and University Zurich, Zurich, Switzerland. (Dec. 2006, p. 1379)

16-20 **Optimal Transportation, and Applications to Geophysics and Geometry**, University of Edinburgh, Edinburgh, Scotland. (May 2007, p. 663)

16-22 **The 8th International Conference on Fixed Point Theory and Its Applications**, Department of Mathematics, Faculty of Science, Chiang Mai University, Chiang Mai, Thailand. (Sept. 2006, p. 961)

17-30 **The Second International Conference on Optimization and Optimal Control**, National University of Mongolia, Ulaanbaatar, Mongolia. (Dec. 2006, p. 1380)

18-August 3 **X Diffiety School—School in Geometry of Partial Differential Equations**, Santo Stefano del Sole (AV), Italy. (May 2007, p. 663)

19-22 **Applications of Computer Algebra (ACA 2007)**, Oakland University, Rochester, Michigan. (Apr. 2007, p. 558)

20-22 **Ross Program Fiftieth Anniversary Reunion-Conference**, Ohio State University, Columbus, Ohio. (Mar. 2007, p. 438)

21-23 **5th International Summer School and Workshop on Pattern Recognition: Call for Participation and Papers**, Plymouth, United

Kingdom. (Apr. 2007, p. 558)

22-25 **OPTIMIZATION 2007**, Faculty of Economics, University of Porto, Porto, Portugal. (Dec. 2006, p. 1380)

22-27 **CIM/UC Summer School: Topics in Nonlinear PDEs**, Centro Internacional de Matemática (CIM), Coimbra, Portugal. (Nov. 2006, p. 1253)

22-28 **Topological Theory of Fixed and Periodic Points (TTFPP 2007)**, Conference Center of the Mathematical Institute of the Polish Academy of Sciences, Bedlewo near Poznan, Poland. (Feb. 2007, p. 307)

22-August 4 **Biomedical Modeling and Cardiovascular-Respiratory Control: Theory and Practice**, Schloss Seggau, Leibnitz, (near Graz) Austria. (Apr. 2007, p. 558)

23-27 **The Twelfth International Conference on Difference Equations and Applications (ICDEA07)**, The Technical University of Lisbon, Portugal. (Mar. 2007, p. 438)

23-27 **VII Americas School in Differential Equations**, University of Cartagena, Cartagena, Colombia (South America). (Feb. 2007, p. 307)

23-27 **XVII Latinamerican Colloquium of Algebra**, Antioquia University, Medellin, Antioquia/Colombia. (May 2007, p. 663)

23-August 31 **Cemracs'07: Summer Mathematical Research Center on Scientific Computing and Its Applications**, CIRM, Luminy, France. (May 2007, p. 663)

23-December 21 **Strong Fields, Integrability and Strings**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK. (Nov. 2005, p. 1264)

24-27 (REVISED) **3rd International workshop "Reliable Methods of Mathematical Modelling" (RMMM 2007)**, Euler IMI, Saint Petersburg, Russia. (Mar. 2007, p. 438)

25-27 **Symbolic-Numeric Computation 2007 (SNC 2007)**, London, Canada. (May 2007, p. 664)

*27-28 **Parallel Symbolic Computation 2007 (PASCO 2007)**, London, Canada.

Program: The program of PASCO 2007 will include invited presentations, contributed research papers and posters. Specific topics include, but are not limited to: Parallel computer algebra, Design of high performance software tools and interfaces for exact and approximate procedures, Design and analysis of parallel algorithms for algebraic computations, Parallel computing for number theory, geometry, automatic theorem proving, combinatorial and discrete methods, Distributed data-structures for matrices and polynomials, Implementations of solvers on multi-cores, SMPs, clusters, supercomputers and grids, Interactive parallel symbolic computation, Volunteer computing for symbolic problems, Applications of parallel symbolic computation.

Invited Speakers: The conference is pleased to announce the following invited speakers: Michael A. Bauer, Univ. of Western Ontario; Matteo Frigo, Cilk Arts; Thierry Gautier, INRIA; Anthony D. Kennedy, Edinburg Univ. (Jointly with SNC); Katherine Yelick, Univ. of California at Berkeley.

Information: <http://www.orcca.on.ca/conferences/pasco2007>.

29-August 4 **Reconnect Conference 2007**, DyDAn Center, Rutgers University, Piscataway, New Jersey. (May 2007, p. 664)

30-August 3 **L-functions and modular forms**, AIM Research Conference Center, Palo Alto, California. (Dec. 2006, p. 1380)

30-August 3 **The 15th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications**, Media Center and Library (Sugimoto Campus), Osaka City University, Osaka, Japan. (Mar. 2007, p. 439)

30-August 4 **On Certain L-functions**, Purdue University, West Lafayette, Indiana. (Apr. 2007, p. 558)

31–August 3 **First Joint International Meeting between the AMS and the Polish Mathematical Society**, Warsaw, Poland. (Jun/Jul. 2006, p. 714)

August 2007

5–11 **Equadiff 2007**, Vienna University of Technology, Vienna, Austria. (Apr. 2007, p. 559)

6–8 **Joint SOCR CAUSEway Continuing Education Workshop 2007**, UCAL, Los Angeles, California. (Oct. 2006, p. 1091)

6–10 **Enhancing the problem authoring capabilities of WeBWork**, AIM Research Conference Center, Palo Alto, California. (Apr. 2007, p. 559)

6–10 **Mathematical Virology**, Edinburgh, Scotland. (May 2007, p. 664)

6–10 **Security '07: 16th USENIX Security Symposium**, Sheraton Boston Hotel, 39 Dalton Street, Boston, Mass. (Dec. 2006, p. 1380)

6–17 **19th European Summer School in Logic, Language and Information**, Dublin, Ireland. (Mar. 2007, p. 440)

* 9–12 **Satellite Summer School on Lévy Processes: Theory and Applications**, Sandbjerg Manor, Soenderborg, Denmark.

Information: This Summer school will comprise four minicourses on different areas related to Lévy process theory and its applications. The intended audience are Ph.D. and postdoctoral students, or researchers who want to get an introduction to the theory of Lévy processes and an overview of applications in different fields.

Minicourses: The minicourses will be devoted to the following topics: An introduction to the theory of Lévy processes by Andreas Kyprianou; Lévy processes in finance by Jan Kallsen; Fractal and sample path properties of Lévy processes by Davar Khosnevisan; Lévy processes in telecommunications by Sid Resnick.

12–15 **The 13th International Conference of Knowledge Discovery and Data Mining: ACM/SIGKDD**, San Jose, California. (Mar. 2007, p. 440)

12–16 **Summer Symposium in Real Analysis XXXI**, Trinity College, Oxford, United Kingdom. (Apr. 2007, p. 559)

12–17 **Geometry and Algebra of PDEs**, University of Tromsø, Norway. (May 2007, p. 664)

* 13–17 **5th International Conference on Lévy Processes: Theory and Applications**, University of Copenhagen, Denmark.

Conference: As in the previous meetings, the 2007 meeting will schedule review papers and original research on all aspects of Lévy process theory and its applications. It is the aim of the conference to bring together a wide range of researchers, practitioners, and graduate students whose work is related to Lévy processes and infinitely divisible distributions in a wide sense.

Topics of Interest: Structural results for Lévy processes: distribution and path properties; Lévy trees, superprocesses and branching theory; Fractal processes and fractal phenomena; Stable and infinitely divisible processes and distributions; Applications in finance, physics, biosciences and telecommunications; Lévy processes on abstract structures; Statistical, numerical and simulation aspects of Lévy processes; Lévy and stable random fields.

Organizers in Copenhagen: Thomas Mikosch, Michael Sorensen, Niels Richard Hansen, Anders Tolver Jensen.

Information: <http://www.math.ku.dk/conf/levy2007/levy.html>.

13–17 **Generic Case Complexity**, AIM Research Conference Center, Palo Alto, California. (Feb. 2007, p. 307)

13–17 **Groups, rings, Lie and Hopf algebras. II**, Bonne Bay Marine Station of Memorial University of Newfoundland, Norris Point, NL, Canada, A0K 3V0. (May 2007, p. 664)

* 13–24 **Fields Institute, University of Ottawa Summer School in Operator Algebras**, University of Ottawa, Ottawa, Ontario, Canada.

Program: The Summer School is organized in conjunction with the Fields Institute Thematic Program on Operator Algebras (July–December, 2007) and will consist of short introductory courses in various areas of operator algebra theory that are of major current interest, mainly targeted at graduate students and postdoctoral fellows.

Course lecturers: Dietmar Bisch (Vanderbilt University), Matthias Neufang (Carleton University), Narutaka Ozawa (University of Tokyo), N. Christopher Phillips (University of Oregon), Jean Renault (Université d'Orléans), Stefaan Vaes (K.U. Leuven).

Financial support: Available for graduate students and postdoctoral fellows. Application deadline: April 30.

Local organizers: Thierry Giordano (main organizer), Benoît Collins, David Handelman, Vladimir Pestov (all University of Ottawa).

Information: http://www.fields.utoronto.ca/programs/scientific/07-08/opalg_school/.

15–18 **International Conference on Integral Geometry, Harmonic Analysis and Representation Theory in honor of Sigurdur Helgason on the occasion of his 80th birthday**, University of Iceland, Reykjavik, Iceland. (May 2007, p. 664)

19–25 **Loops'07**, Charles University, Prague, Czech Republic. (Apr. 2007, p. 559)

19–25 **The Eighth International Workshop on Differential Geometry and its Applications**, Cluj-Napoca, Romania. (Feb. 2007, p. 307)

* 20–24 **Analysis and Singularities: International conference dedicated to the 70th anniversary of V. I. Arnold**, Steklov Mathematical Institute, Moscow, Russia.

Conference Topics: Algebraic Geometry, Singularity Theory, Differential Equations, Mechanics, Hydrodynamics, Number Theory.

Invited speakers: A. Agrachev (Trieste, Italy), J. Palis (IMPA, Brasil), A. Varchenko (Chapel-Hill, USA), O. Viro (Uppsala, Sweden), B. Khesin (Toronto, Canada), E. Shustin (Tel-Aviv, Israel), P. Biran (Tel-Aviv, Israel), S. Novikov (Mariland, USA and Moscow, Russia), Ya. Sinai (Princeton, USA), V. Goryunov (Liverpool, UK), S. Kuksin (Edinburgh, UK), D. McDuff (Stony Brook, USA), A. Vershik (St. Petersburg, Russia), V. Kharlamov (Strasbourg, France), D. Siersma (Utrecht, Holland), J. Steenbrink (Nijmegen, Holland).

Deadline for registration: April 15, 2007.

Information: http://arnold-70.mi.ras.ru/index_e.html. Mail: "Analysis and Singularities", Steklov Mathematical Institute, Gubkina 8, Moscow, 119991, Russia, fax: +7 (495) 135 05 55; Email: (with mark "ANALYSIS and SINGULARITIES") arnold-70@mi.ras.ru.

20–24 **Fourier analytic methods in convex geometry**, AIM Research Conference Center, Palo Alto, California. (Apr. 2007, p. 559)

20–24 **Geometric Aspects of Analysis and Mechanics: A Conference in Honor of the 65th Birthday of Hans Duistermaat**, Utrecht University, Utrecht, The Netherlands. (Dec. 2006, p. 1380)

* 20–24 **Lars Ahlfors Centennial Celebration**, Helsinki, Finland.

Program: Plenary and invited lectures.

Topics: Hyperbolic geometry and Kleinian groups, harmonic analysis and PDE's, geometric measure theory, geometric function theory and complex dynamics, analysis on metric spaces.

Plenary Speakers: Lennart Carleson, Alice Chang, Jeff Cheeger, Guy David, Juha Heinonen, Bruce Kleiner, Olli Lehto, Curt McMullen, Jill Pipher, David Preiss, Yum-Tong Siu, Dennis Sullivan, Xavier Tolsa, Gunther Uhlmann, Wendelin Werner.

Invited Speakers: Luigi Ambrosio, Zoltán Balogh, Rodrigo Bañuelos, Walter Bergweiler, Mario Bonk, Danny Calegari, Kevin Costello, Marianna Csörnyei, Benson Farb, Ursula Hamenstädt, Håkan Hedenmalm, Aimo Hinkkanen, Tadeusz Iwaniec, Peter Jones, Maarit Järvenpää, Bernd Kirchheim, Leonid Kovalev, Bryna Kra, John Lewis, Vladimir Markovic, Gaven Martin, Jani Onninen, Stefanie Petermichl, Lassi Päivärinta, Eero Saksman, Stanislav Smirnov, Mikhail Sodin,

Teruhiko Soma, Tatiana Toro, Joan Verdera, Alexander Volberg, Jang-Mei Wu, Xiao Zhong, Michel Zinsmeister.

Information: <http://mathstat.helsinki.fi/ahlfors100/>.

24–26 **32nd Sapporo Symposium on Partial Differential Equations**, Department of Mathematics, Hokkaido University, Sapporo, Japan. (Mar. 2007, p. 439)

26–September 1 **Conference “Algebras, Representations and Applications” Lie and Jordan Algebras, their Representations and Applications, III: In Honour of Ivan Shestakov’s 60th Birthday**, Maresias Beach Hotel, Maresias, São Paulo, Brazil. (Mar. 2007, p. 439)

27–29 **Automata 2007: 13th International Workshop on Cellular Automata**, The Fields Institute for Research in Mathematical Science, Toronto, Canada. (May 2007, p. 664)

27–29 **International Conference on Biomathematics 2007**, ITB, Bandung, Indonesia. (Feb. 2007, p. 307)

27–31 **LMS workshop on motives, quadratic forms and algebraic groups**, Queen’s University, Belfast, United Kingdom. (May 2007, p. 665)

28–30 **2nd Regional Conference on Ecological and Environmental Modelling (ECOMOD 2007)**, Gurney Hotel, Penang, Malaysia. (Apr. 2007, p. 559)

September 2007

* 3–6 **38th Annual Iranian Mathematics Conference**, Zanjan University, Zanjan, Iran.

Scientific Committee: F. Mirzapour (The head of conference), f.mirza@mail.znu.ac.ir; M. T. Dastjerdi (The head of scientific committee of conference), tdast@yahoo.com; E. S. Mahmoodian, emahmood@sharif.edu; M. Adib, madib@mail.znu.ac.ir; M. Ariannejad, m.ariannejad@yahoo.com; M. Emami, emami@mail.znu.ac.ir; J. Malaki, j.malaki@mail.znu.ac.ir; H. Mohebi, hmohbei@mail.uk.ac.ir; A. Rasooli, rasooli@yahoo.com; Sh.Rezapour, sh.rezapour@azaruni.ac.ir; S. Salehipourmehr, saeed@iasbs.ac.ir; S. Varsaie, varsaie@iasbs.ac.ir; R. Zarenahandi, rashidzn@iasbs.ir.

Information: Contact: 6-Kilometer of Tabriz Road, Zanjan, IRAN, Zanjan University Po Box: 313; Tel: (+98) 0241 5152681; Fax: (+98) 0241 5152514; aimc38@znu.ac.ir; <http://aimc38.znu.ac>.

* 3–7 **Algebraic and Arithmetic Structures of Moduli Spaces**, Hokkaido University, Sapporo, Japan.

Organizers: Iku Nakamura (Hokkaido University) and Lin Weng (Kyushu University).

Fee: No registration fee is required.

Information and Contact: <http://coe.math.sci.hokudai.ac.jp/sympo/moduli2007/>; cri@math.sci.hokudai.ac.jp.

3–7 **Conference in Numerical Analysis 2007 (NumAn 2007): Recent Approaches To Numerical Analysis: Theory, Methods and Applications**, Kalamata, Greece. (May 2007, p. 665)

3–7 **The Riemann-Hilbert Problem and Toeplitz Operators**, Heriot Watt University, Edinburgh, Scotland. (May 2007, p. 665)

3–14 **Epidemiology & Control of Infectious Diseases: Introduction to mathematical models of global and emerging infections**, Imperial College, London, England. (Apr. 2007, p. 559)

3–December 21 **Phylogenetics**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK. (Nov. 2006, p. 1264)

4–6 **International Conference on Mathematical Biology 2007 (ICMB07)**, Universiti Putra Malaysia, Serdang, Malaysia. (Nov. 2006, p. 1253)

4–8 **Potential Theory and Stochastics**, Albac, Romania. (May 2007, p. 665)

* 7–9 **Geometry, Rigidity, and Group Actions: A Conference in Honor of Robert J. Zimmer’s 60th Birthday**, University of Chicago,

Illinois.

Speakers: David Fisher (Indiana University), Alex Furman (University of Illinois, Chicago), Anatole Katok (Pennsylvania State University), Alexander Lubotzky (Hebrew University, Israel), Gregory Margulis (Yale University), Amos Nevo (Technion, Israel), Leonid Polterovich (Tel Aviv University, Israel), Sorin Popa (University of California, Los Angeles), Yehuda Shalom (Tel Aviv University, Israel), and Shmuel Weinberger (University of Chicago).

Schedule: The conference will begin Friday morning, and end before noon on Sunday. Talks will be 45 minutes in length, and limited in number, to allow time for informal discussions. On Sunday afternoon, after the conference, there will be a workshop for young researchers to give a short talk on their work.

Organizers: Benson Farb (University of Chicago), David Fisher (Indiana University), Dave Witte Morris (University of Lethbridge), and Ralf Spatzier (University of Michigan).

Information: <http://www.math.uchicago.edu/zimmer60/>.

7–11 **KIAS Conference on Geometric Analysis**, KIAS, Seoul, Korea. (Apr. 2007, p. 559)

7–13 **9th International Conference of The Mathematics Education into the 21st Century Project**, Charlotte, North Carolina. (Apr. 2007, p. 498)

9–10 **SHARCS’07: Special-purpose Hardware for Attacking Cryptographic Systems**, Vienna Marriott Hotel, Vienna, Austria. (Mar. 2007, p. 439)

10–11 **Journées Jean-Yves Girard, Conference in Honour of his 60th Birthday**, Institut Henri Poincaré, Paris, France. (May 2007, p. 665)

* 10–14 **1st IMACS International Conference on Computational Biomechanics and Biology ICCBB 2007**, University of West Bohemia, Pilsen, Czech Republic.

Scientific topics: The conference, under the auspices of IMACS, will be devoted to certain problems in biomechanical, biological, medical modelling, and mathematical methods for their solutions. The conference features a number of invited scientific sessions in the following areas: Soft tissue and muscular mechanics, Bone and dental mechanics, Cardiovascular mechanics, Micro-circular and respiratory systems, Cellular and molecular mechanics, Tissue engineering, biomaterials, Biotransport and multi-field problems, Organ biomechanics and fluid-structure interaction, Impact and injury biomechanics, sport biomechanics, Orthopedics and implant modelling, Muscle-skeletal systems and performance, Computational biomechanics and large simulations, Imaging and computer assisted surgery, Biological, biomechanical and medical modelling.

Information: <http://www.iccbb.zcu.cz>.

10–14 **5th Symposium on Nonlinear Analysis**, Nicolaus Copernicus University, Torun, Poland. (Apr. 2007, p. 559)

* 10–14 **11th Workshop on Well-Posedness of Optimization Problems and Related Topics**, University of Alicante, Alicante, Spain.

Description: The Workshop started in 1987 in Milan, Italy, as a small meeting between Bulgarian and Italian groups working on the subject: Well-Posedness of Optimization Problems and Related Topics. A Summer School on “Stability and Well-Posedness in Convex Optimization” will be held parallel to the workshop.

Topics: Well-posedness and stability of optimization models and problems in calculus of variations, optimal control and mathematical programming; Hadamard, Tykhonov and similar type of concepts of well-posedness; topological aspects of well-posedness, with applications to special classes of optimization problems; game theory and equilibrium; variational principles; well-posedness concepts for vector optimization problems; regularization techniques for ill-posed problems; stability in stochastic optimization; applications to the performance analysis of numerical optimization methods and their stable behavior under perturbations; critical point theory.

Deadline: For abstracts: April 16, 2007.

Information: <http://www.eio.ua.es/congreso/index.html>.

10–14 **High-order methods for computational wave propagation and scattering**, AIM Research Conference Center, Palo Alto, California. (Aug. 2006, p. 824)

10–15 **10th Quantum Mathematics International Conference: QMath10**, Moeciu, Romania. (Apr. 2007, p. 560)

10–15 **International Conference on Nonlinear Partial Differential Equations dedicated to the memory of Igor V. Skrypnik**, NPDE2007, Yalta, Crimea, Ukraine. (Feb. 2007, p. 307)

*10–15 **School (and Workshop) on the Geometry of Special Varieties**, Fondazione Bruno Kessler-IRST, Povo, Trento, Italy.

Information: The School is mainly aimed at Ph.D. students and young researchers in Algebraic Geometry, introducing the participants to research, beginning from a basic level with a view towards the applications and to the most recent results. A tentative program is as follows: Secant and defective varieties; Classification of varieties with extremal tangential properties; Degeneration of varieties (especially of toric varieties); Degeneration of maps (especially of projections); Applications to the study of secant varieties; Toric degeneration; Tropical geometry. The Workshop is intended to discuss the state of the art.

Lecturers: C. Ciliberto (University of Roma II) and F. Russo (Universidade Federal de Pernambuco). **Speakers in the workshop:** M. Andreatta (University Trento), L. Badescu (University Genova), L. Chiantini (University Siena), K. Ranestad (University Oslo).

Registration Deadline: June 30, 2007 (for researchers asking a financial grant) and July 20, 2007 (for other participants).

Information: <http://www.science.unitn.it/cirm/>; A. Micheletti, Secretary of CIRM, Fondazione Bruno Kessler, Via Sommarive 14, I-38050 Povo (Trento), Italy. email: michelet@science.unitn.it, Tel. +39-0461-881628, Fax +39-0461-810629.

10–December 14 **Mathematics of Knowledge and Search Engines (Long Program)**, UCLA, Los Angeles, California. (May 2007, p. 665)

11–14 **Fall 2007 Workshop for Young Researchers in Mathematical Biology (WYRMB)**, Columbus, Ohio. (May 2007, p. 665)

11–15 **CSL07: 16th EACSL Annual Conference on Computer Science and Logic**, Lausanne, Switzerland. (Feb. 2007, p. 308)

13–14 **IMA Tutorial: Mathematics of Nucleic Acids**, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1380)

*16–19 **Mathematical Neuroscience**, Centre de recherches mathématiques, Université de Montréal, Montréal, Canada.

Goal: The goal of this workshop is to provide an overview of the current state of research in mathematical approaches to neuroscience. This workshop will not be preceded by a minicourse. Graduate students and early career scientists seeking further preparation before attending this workshop might consider the computational Neuroscience Summer School in Ottawa in June 2007.

Organizers: S. Coombes (Nottingham), A. Longtin (Ottawa), J. Rubin (Pittsburgh).

Information: <http://www.crm.math.ca/Dynamics2007/>.

16–20 **International Conference of Numerical Analysis and Applied Mathematics 2007 (ICNAAM 2007)**, Corfu, Greece. (Mar. 2007, p. 440)

17–20 **Fourth International Workshop on Meshfree Methods for Partial Differential Equations**, Universitaet Bonn, Bonn, Germany. (Mar. 2007, p. 440)

17–21 **13th Czech-French-German Conference on Optimization**, University of Heidelberg, Heidelberg, Germany. (Feb. 2007, p. 308)

17–21 **IMA Workshop: Mathematics and Biology of Nucleic Acids**, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006,

p. 1380)

17–21 **Manifolds with nonnegative sectional curvature**, American Institute of Mathematics, Palo Alto, California. (May 2007, p. 665)

17–21 **SECURECOMM 2007: Third International Conference on Security and Privacy for Communication Networks**, Nice, France. (May 2007, p. 665)

*17–21 **Summer School on “New Trends and Directions in Harmonic Analysis, Approximation Theory, and Image Analysis”**, Inzell, Germany.

Aims and Scope: The workshop is intended to bring together leading international scientists and young researchers from different facets of harmonic analysis, approximation theory and signal and image analysis to present their latest cutting-edge research and to establish new and exciting directions for future investigations.

Organizers: Brigitte Forster-Heinlein, Peter Massopust, and Rupert Lasser Centre of Mathematical Sciences, Technische Universität München, Garching, Germany, and Institute for Biomathematics and Biometry, GSF National Research Centre for Environment and Health, Neuherberg, Germany. The Summer School partially financed by means of the Marie Curie Excellence Team MAMEBIA funded by the European Commission.

Invited Plenary Speakers: John Benedetto (University of Maryland), Ole Christensen (Technical University of Denmark), Karlheinz Gröchenig (University of Vienna), Michael Unser (École Polytechnique Fédérale de Lausanne), Guido Weiss (Washington University, St. Louis).

Information: <http://www.mamebia.de/inzell>.

20–22 **Finsler Geometry (Mathematics and Physics)**, Institut de Recherche Mathématique Avancée, Strasbourg, France. (May 2007, p. 666)

*22–23 **Minicourse on Quantitative Biology**, Centre de recherches mathématiques, Université de Montréal, Montréal, Canada.

Description: Biology is becoming a quantitative science. For example, new technologies allow the motion of individual proteins to be visualized in single cells and the expression levels of all genes in a genome to be measured simultaneously. Nevertheless, a traditional biology training does not give the mathematical tools required to analyse such data. Across the life sciences, there is a need for researchers who are familiar with both mathematics and biology. This minicourse will introduce the fundamentals of quantitative biology. Its goal will be to give sufficient background to enable mathematics students to start reading the scientific literature and to enable biology students to critique the assumptions behind some mathematical techniques. Students will be taught by experts in quantitative biology, all of whom have themselves moved their research from the physical to the biological sciences.

Organizers: P. S. Swain (McGill), B. P. Ingalls (Waterloo), M. C. Mackey (McGill).

Information: <http://www.crm.math.ca/Dynamics2007/>.

*22–24 **Geometrization of Probability: A Fields Institute/ University of Ottawa workshop**, University of Ottawa, Ottawa, Ontario, Canada.

Program: The workshop, mostly aimed at graduate students and recent Ph.D. recipients, will feature minicourses, one-hour invited lectures, and possibly time for short communications and a discussion of open problems.

Topics: Recent decades have seen a remarkable degree of interaction between probability theory and high-dimensional convexity theory. The framework of the subject involves very high dimensional spaces (normed spaces, convex bodies) and accompanying asymptotic phenomena as the dimension goes to infinity. Concepts, results and approaches of a new theory developed in the framework of geometrization of probability will benefit many mathematicians using in one form or another probabilistic and functional-analytic methods in their work. The lecturers at the workshop are today's foremost experts in the area.

Minicourse lecturers: Shiri Artstein-Avidan (Tel-Aviv University), Robert McCann (University of Toronto), Boaz Klartag (IAS and Clay Institute).

Invited Speakers: Alexander Litvak (University of Alberta), Sasha Sodin (Tel-Aviv University), Stanislaw Szarek (Case Western Reserve University), Nicole Tomczak-Jaegermann (University of Alberta), Elisabeth Werner (Case Western Reserve University).

Financial support: Limited financial support will be available for Ph.D. students and postdoctoral fellows, cf. the web page for details.

Information: <http://www.fields.utoronto.ca/programs/scientific/07-08/geometrization/index.html>.

* 23–26 **Applied Statistics 2007**, Ribno (Bled), Slovenia.

Program: The conference will provide an opportunity for researchers in statistics, data analysts, and other professionals from various statistical and related fields to come together, present their research, and learn from each other. A three day program consists of invited paper presentations, contributed paper sections from diverse topics, and finishes with a workshop. Cross-discipline and applied paper submissions are especially welcome.

Plenary speakers: Alan Agresti, University of Florida, USA; Ingram Olkin, Stanford University, USA; Rolf Steyer, Friedrich-Schiller-University Jena, Germany.

Organizers: Statistical Society of Slovenia.

Deadlines: Abstract Submission: July 1, 2007. Registration: August 15, 2007.

Information: info.AS@nib.si; <http://ablejec.nib.si/AS2007/>.

23–28 **14th Workshop on Stochastic Geometry, Stereology and Image Analysis**, Friedrich-Schiller-University Jena, Department of Stochastics, Jena, Germany. (Feb. 2007, p. 308)

* 24–27 **International Conference on Applications in Nonlinear Dynamics**, Poipu Beach, Koloa, Kauai, Hawaii.

Information: All information about conference can be found at <http://www.icand2007.org>.

* 24–28 **Towards Relative Symplectic Field Theory**, CUNY Graduate Center, New York, New York.

Description: The goal of this workshop, sponsored by AIM, NSF, CUNY Graduate Center and Stanford Mathematical Research Center (MRC), is to understand the structure of relative Symplectic Field Theory (SFT), discuss and reconcile different versions of its algebraic formalism, and to work towards building rigorous foundations of the theory. There will also be explored applications of relative SFT to symplectic and contact topology, as well as low-dimensional topology.

Organizers: Kai Cieliebak, Tobias Ekholm, Yakov Eliashberg, Kenji Fukaya, Dennis Sullivan, and Michael Sullivan.

Deadline: May 21, 2007.

Information: <http://aimath.org/ARCC/workshops/relsymplectic.html>.

* 24–28 **Workshop on Deconstructing Biochemical Networks**, Centre de recherches mathématiques, Université de Montréal, Montréal, Canada.

Organizers: P. S. Swain (McGill), B. P. Ingalls (Waterloo), M. C. Mackey (McGill).

Description: New technologies have led to a huge increase in molecular level data in biological systems. As well as fueling the transition of molecular biology to a quantitative science, this data is also revealing new complexity in biochemical networks. This workshop will bring together both modellers and experimentalists, and will focus on network “design”.

Information: <http://www.crm.math.ca/Dynamics2007/>.

24–29 **18th Congress of Unione Matematica Italiana**, Bari, Italy. (May 2007, p. 666)

24–29 **International Algebraic Conference dedicated to the 100th anniversary of D. K. Faddeev**, Euler International Mathematical

Institute, St. Petersburg, Russia. (Apr. 2007, p. 560)

25–28 **The 2nd International Conference on Nonlinear Dynamics: KhPI 2007 in honor of Alexander Lyapunov 150th Anniversary**, National Technical University, Kharkov Polytechnical Institute, Kharkov, Ukraine. (Feb. 2007, p. 308)

October 2007

* 1–5 **Dynamic Searches and Knowledge Building**, UCLA, Los Angeles, California.

Topics: User-tailored search, Textual entailment, Knowledge Discovery and Data Mining, Analysis and organization of search results, Measures of document or semantic similarity, Multi-media data mining and semantic annotation, including images, video and audio, Applications integrating search and knowledge (e.g. biomedicine, customer relationship management).

Speakers: Will be announced soon on: <http://www.ipam.ucla.edu/programs/sews1/>.

Organizing Committee: Karin Verspoor, Chair (Los Alamos National Laboratory, CCS-3), Jennifer Chu-Carroll (IBM Watson Research Center), Ronald Coifman (Yale University), Carey Priebe (Johns Hopkins University, Center for Imaging Science).

Application/Registration: An application/registration form is available at: <http://www.ipam.ucla.edu/programs/sews1/>. The application part is for people requesting financial support to attend the workshop. If you don't intend to do this, you may simply register. We urge you to apply as early as possible. Applications received by August 20, 2007 will receive fullest consideration. Successful applicants will be notified as soon as funding decisions are made.

Funding: To support the attendance of recent Ph.D.'s, graduate students, and researchers in the early stages of their career; however, mathematicians and scientists at all levels who are interested in this area are encouraged to apply for funding. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM's mission and we welcome their applications.

5–6 **AMS Central Section Meeting**, DePaul University, Chicago, Illinois. (Dec. 2006, p. 1380)

6–7 **AMS Eastern Section Meeting**, Rutgers University-New Brunswick, Busch Campus, New Brunswick, New Jersey. (Dec. 2006, p. 1380)

8–12 **Dichotomy Amenable/Nonamenable in Combinatorial Group Theory**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2006, p. 714)

9–11 **SIAM Conference on Mathematics for Industry: Challenges and Frontiers (MI07)**, Hyatt Regency Philadelphia, Philadelphia, Pennsylvania. (Mar. 2007, p. 440)

* 11–12 **Tenth New Mexico Analysis Seminar**, University of New Mexico, Albuquerque, New Mexico.

Keynote Speakers: Andrea Nahmod, University of Massachusetts, Amherst. Minicourse on “Bilinear Operators in Analysis and PDEs”, and Rodrigo Banuelos, Purdue University Minicourse on “Martingales and Fourier multipliers. What's new in this old marriage?”.

Conference Information and Registration: This seminar is organized by analysis aficionados at New Mexico State University and The University of New Mexico. This year the conference is scheduled in the Fall prior to an AMS meeting that will be held in Albuquerque on Oct 13–14, 2007. The goal is to provide an opportunity for scientific exchange and cooperation among broadly defined analysts. This year the centerpieces of the seminar will be two minicourses given by the keynote speakers.

There is time allocated for shorter contributed talks, most of them will be presented in special sessions during the AMS meeting. If you would like to attend and give a talk, please contact one of the organizers by June 26, 2007. Doctoral students and recent Ph.D.s are specially encouraged to apply.

The registration form can be found at <http://www.math.unm.edu/conferences/10thAnalysis/registration.html>.

The seminar is being sponsored by NSF. We will provide travel stipends for qualified graduate students. We intend to pay, at least partially, shared accommodations for all participants, and if there are funds left, we will reimburse some travel expenses to those participants who have no other sources of funding (priority given to speakers and junior participants).

Information about the conference will be posted at: <http://www.math.unm.edu/conferences/10thAnalysis/>.

Organizers: Cristina Pereyra (crisp@math.unm.edu), Tiziana Giorgi (tgiorgi@nmsu.edu), Joseph Lakey (jlakey@nmsu.edu), Adam Sikora (asikora@nmsu.edu), Robert Smits (rsmits@nmsu.edu).

13–14 **AMS Western Section Meeting**, University of New Mexico, Albuquerque, New Mexico. (Jun/Jul. 2006, p. 714)

* 19–20 **27th Southeast Atlantic Regional Conference on Differential Equations (SEARCDE)**, Murray State University, Murray, Kentucky.

Organizers: Maeve L. McCarthy (maeve.mccarthy@murraystate.edu) and K. Renee Fister.

Speakers: Jeff Borggaard, Virginia Tech; Gerda deVries, University of Alberta; Barbara L. Keyfitz, Fields Institute and University of Houston.

Deadlines: October 1, 2007.

Information: <http://campus.murraystate.edu/searcde/>.

* 21–27 **The ADONET-CIRM School on Graphs and Algorithms**, Grand Hotel Bellavista, Levico Terme, Trento, Italy.

Minicourses: The school offers six minicourses (four lectures each) on state-of-the-art topics on graphs and algorithms and related subjects. The minicourses are given by: Maria Chudnowsky (Columbia University): “Forbidding induced subgraphs”, Jim Geelen (University of Waterloo): “Graph minors: Structure and algorithms”, Michel Goemans (Massachusetts Institute of Technology): “Uncrossing techniques”, Bertrand Guenin (University of Waterloo): “Flows in graphs and matroids”, Satoru Iwata (University of Tokyo): “Sub-modular function”, Bill Jackson (University of London): “Rigidity of graphs”. Institutional lectures will be given by Carsten Thomassen (Technical University of Denmark) and Wolfgang Mader (University of Hannover).

Scientific Organizers: Michele Conforti (University of Padova) and Bert Gerards (CWI, Amsterdam and Technische Universiteit Eindhoven).

Information: <http://www.science.unitn.it/cirm/ADONETCIRM07.html>; registration deadline is July 31, 2007. A. Micheletti, CIRM, Fondazione Bruno Kessler, 38050 Povo (Trento), Italy. email: michelet.science.unitn.it, Tel. +39-0461-881628, Fax +39-0461-810629.

* 23–25 **Petra International Conference on Mathematics**, Al-Hussein Bin Talla University, Ma’an, Jordan.

Information: <http://www.ahu.edu.jo/picom2007/>.

24–26 **2007 International Conference in Modeling Health Advances**, Clark Kerr Campus, UC Berkeley, California. (Mar. 2007, p. 440)

24–27 **Integers Conference 2007**, University of West Georgia, Carrollton, Georgia. (Apr. 2007, p. 560)

29–November 2 **IMA Workshop: RNA in Biology, Bioengineering and Nanotechnology**, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1381)

November 2007

* 1–5 **Joint AARMS-CRM Workshop on Recent Advances in Functional and Delay Differential Equations**, Dalhousie University, Halifax, Canada.

Organizers: J. Appleby (Dublin City), H. Brunner (Memorial), A. R. Humphries (McGill), D.E. Pelinovsky (McMaster).

Local Organizers: P. Keast (Dalhousie), P. Muir (St Mary’s).

Description: Delay differential equations arise in many applications, and in the case of constant delays solutions give rise to semi-flows on function spaces. This workshop will provide a wide perspective on current research and open problems, covering theory, applications and numerical analysis of these equations.

Concentrated Topics: Dissipative Advanced Retarded Equations, Hamiltonian Advanced Retarded Equations Numerical DDEs (Chinese & Italian schools, numerics also in other concentrations), Applications in Mathematical Biology (Mathematical Physiology and Pop Dynamics), Volterra and Integral Equations, State Dependent Delays.

Information: <http://www.crm.math.ca/Dynamics2007/>.

1–December 31 **Program on Bose-Einstein Condensation and Quantized Vortices in Superfluidity and Superconductivity**, Institute for Mathematical Sciences, Singapore, Singapore. (May 2007, p. 666)

* 2–3 **Seventh Annual Prairie Analysis Seminar**, Kansas State University, Manhattan, Kansas.

Speakers: Luis Caffarelli, University of Texas, Antoine Mellet, University of British Columbia, and Daniel Phillips, Purdue University. There will be sufficient time for contributed talks; mathematicians early in their careers are especially encouraged to contribute a 20-minute talk.

Organizers: Marianne Korten, Diego Maldonado, Charles Moore, Virginia Naibo, Kansas State University and Estela Gavosto, Rodolfo Torres, University of Kansas.

Information: For information and registration see <http://www.math.ksu.edu/pas/2007/>. Support for travel may be possible.

3–4 **AMS Southeastern Section Meeting**, Middle Tennessee State University, Murfreesboro, Tennessee. (Jun/Jul. 2006, p. 714)

5–9 **Algorithmic Convex Geometry**, AIM Research Conference Center, Palo Alto, California. (Mar. 2007, p. 440)

* 11–16 **21st Large Installation System Administration Conference (LISA ’07)**, Hyatt Regency Dallas, 300 Reunion Boulevard, Dallas, Texas 75207.

Description: The most in-depth, real-world system administration training available. For twenty years, the annual LISA conference has been the foremost worldwide gathering for everyone interested in the technical and administrative issues of running a large computing facility. Administrators of all specialties and levels of expertise meet at LISA to exchange ideas, sharpen old skills, learn new techniques, debate current issues, and meet colleagues and friends.

Information: <http://www.usenix.org/events/lisa07/>.

* 14–16 **Workshop on Dynamical Systems and Continuum Physics**, Centre de recherches mathématiques, Université de Montréal, Montréal, Québec, Canada.

Organizer: L. Tuckerman (PMMH-ESPCI, France).

Description: Dynamical systems theory provides astonishingly faithful representations of systems from continuum physics. This workshop will focus on recent research in laminar and turbulent hydrodynamics and in some more discrete systems, notably granular media and foams.

Information: <http://www.crm.math.ca/Dynamics2007/>.

* 28–29 **International Conference on Mathematical Sciences (ICMS’07)**, Equatorial Hotel, Bangi-Putrajaya, Malaysia.

Description: “Integrating Mathematical Sciences within Society”.

Focus: Theory and applications of mathematical sciences in engineering, medical, biotechnology, insurance, finance and other related areas.

Important Dates: Abstract deadline: July 1, 2007. Conference Registration: August 1, 2007 (early birds). Full paper deadline: Sept. 30, 2007.

Organizers: Universiti Kebangsaan Malaysia & Malaysian Mathematical Sciences Society.

Information: email: seminarppsm@lycos.com; <http://pkukmweb.ukm.my/~ppsmfst/icom/>.

December 2007

* 3–7 **Rigidity and polyhedral combinatorics**, American Institute of Mathematics, Palo Alto, California.

Organizers: Robert Connelly, Ezra Miller, and Igor Pak.

Description: This workshop, sponsored by AIM and the NSF, will be devoted to polyhedral objects in Euclidean spaces. Specifically, which metric or combinatorial properties must change or remain constant under certain classes of deformations, such as bending, folding, stretching, or flexing?

Deadline: July 15, 2007.

Information: <http://aimath.org/ARCC/workshops/polyhedralcomb.html>.

7–11 **Fourth Pacific Rim Conference on Mathematics: Celebrating the Tenth Anniversary of the Liu Bie Ju Centre for Mathematical Sciences**, City University of Hong Kong, Hong Kong. (Jan. 2007, p. 64)

10–12 **SIAM Conference on Analysis of Partial Differential Equations (PD07)**, Hilton Phoenix East/Mesa, Mesa, Arizona. (Apr. 2007, p. 560)

10–14 **Triangulations, Heegaard splittings and hyperbolic geometry**, American Institute of Mathematics, Palo Alto, California. (Apr. 2007, p. 560)

* 11–14 **Workshop on Chaos and Ergodicity of Realistic Hamiltonian Systems**, Centre de recherches mathématiques, Université de Montréal, Montréal, Québec, Canada.

Organizers: H. Broer (Groningen), P. Tupper (McGill).

Topics: Is mathematical ergodicity too strong a property for realistic systems? What is the relation between chaos and ergodicity for Hamiltonian systems? What about stronger properties, such as mixing, and CLT? What are the limits imposed by KAM? What is the relevance to molecular dynamics and fluid mechanics? What are the prospects for the Arnold-Avez Conjecture: For rather general Hamiltonian systems show that areas of positive measure exist with positive Lyapunov exponent.

Information: email: paradis@crm.umontreal.ca; <http://www.crm.math.ca/Dynamics2007/>.

12–15 **First Joint International Meeting between the AMS and the New Zealand Mathematical Society (NZMS)**, Wellington, New Zealand. (Jun/Jul. 2006, p. 714)

* 15–17 **First Announcement and Call for Papers: The Eighth Asian Symposium on Computer Mathematics (ASCM 2007)**, National University of Singapore, Singapore.

Description: The Asian Symposia on Computer Mathematics (ASCM) are a series of conferences which offer a forum for participants to present original research, to learn of research progress and new developments, and to exchange ideas and views on doing mathematics using computers. ASCM 2007 will consist of invited talks, regular sessions of contributed papers, and software demonstrations.

Call for Papers: Research papers on all aspects of the interaction between computers and mathematics are solicited for the symposium. Papers should be written in English, in single column, not exceeding 15 pages, and the main text font not smaller than 10 pt. Authors are expected to submit their papers electronically (in postscript, or pdf format).

Information: <http://www.comp.nus.edu.sg/~ascm2007/>. See submission instructions from the conference http://www.comp.nus.edu.sg/~ascm2007/A_Instructions.htm.

* 15–17 **International Symposium on Recent Advances in Mathematics & Its Applications (ISRAMA 2007)**, Calcutta, India.

Topics: Algebra, Discrete Mathematics & Theoretical Computer Science, Analysis & Topology and their Applications, Geometry and its Applications, Dynamical Systems, Chaos and Fractals, Continuum Mechanics, Plasma Physics, Control Theory and Optimization Theory, Bio-mechanics and Bioinformatics, Applications of Mathematics to Environmental Problems, History and Philosophy of Physical Science, Quantum Information Theory, Relativity and its Applications.

Information: Professor M. R. Adhikari, Secretary, Calcutta Mathematical Society, AE-374, Sector-1, Salt Lake City, India; email: cms@cal2.vsnl.net.in or cms_mra@yahoo.co.in.

16–20 **The Twelfth Asian Technology Conference in Mathematics (ATCM2007)**, Taipei, Taiwan. (Mar. 2007, p. 441)

* 17–19 **The 3rd Indian International Conference on Artificial Intelligence (IICAI-07)**, Pune, India.

Description: IICAI-07 is one of the major AI events in the world. This conference focuses on all areas of AI and related fields. We invite paper submissions. Please visit on the conference website for more details.

Information: Bhanu Prasad, IICAI-07 Chair, Department of Computer and Information Sciences, Florida A & M University, Tallahassee, FL 32307; email: bhanupvsr@gmail.com; tel: 850-412-7350; <http://www.iiconference.org>.

17–22 **Transformation Groups 2007**, Independent University of Moscow, Moscow, Russia. (Apr. 2007, p. 560)

* 30–January 4 **Conference on Representations of Algebras, Groups and Semigroups**, Bar-Ilan University, Ramat-Gan, Israel and the Netanya Academic College, Netanya, Israel.

Information: email: margolis@math.biu.ac.il; <http://www.math.biu.ac.il/~margolis>.

January 2008

* 6–9 **Joint Mathematics Meetings**, San Diego, California.

Information: <http://www.ams.org/amstgts/national.html>.

7–June 27 **Statistical Theory and Methods for Complex, High-Dimensional Data**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Jun/Jul. 2006, p. 714)

10–11 **IMA Tutorial: Mathematics of Proteins**, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1381)

14–18 **IMA Workshop: Protein Folding**, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1381)

14–18 **The uniform boundedness conjecture in arithmetic dynamics**, American Institute of Mathematics, Palo Alto, California. (May 2007, p. 666)

14–July 4 **Combinatorics and Statistical Mechanics**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Dec. 2006, p. 1381)

* 20–22 **ACM-SIAM Symposium on Discrete Algorithms (SODA08)**, Holiday Inn Golden Gateway, San Francisco, California.

Information: This symposium focuses on research topics related to efficient algorithms and data structures for discrete problems. In addition to the design of such methods and structures, the scope also includes their use, performance analysis, and the mathematical problems related to their development or limitations. Performance analyses may be analytical or experimental and may address worst-case or expected-case performance. Studies can be theoretical or based on data sets that have arisen in practice and may address methodological issues involved in performance analysis.

Submission Deadline: July 6, 2007.

March 2008

* 2–7 **IX International Conference “Approximation and Optimiza-**

tion in the Caribbean", Sunrise Beach Hotel, San Andres Island, Colombia.

Information: For more information about this event please visit the website <http://matematicas.univalle.edu.co/~appopt2008/>.

3-7 IMA Workshop: Organization of Biological Networks, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1381)

* **10-June 13 Optimal Transport (Long Program)**, UCLA, Los Angeles, California.

Aim: The aim of the workshop is to put together physicists, biologists, mathematicians working on the optimization of transportation networks.

Organizing Committee: Andrea Bertozzi (UCLA, Mathematics), Yann Brenier (Université de Nice Sophia Antipolis), Wilfrid Gangbo (Georgia Institute of Technology), Peter Markowich (Universität Wien, Institute of Mathematics), Jean-Michel Morel (École Normale Supérieure de Cachan, CMLA).

Funding: We have funding especially to support the attendance of recent Ph.D.'s, graduate students, and researchers in the early stages of their career; however, mathematicians and scientists at all levels who are interested in this area are encouraged to apply for funding. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM's mission and we welcome their applications.

Information: Please apply online to request financial support to attend and participate for extended periods up to the entire length of the program. The application and more information is available at <http://www.ipam.ucla.edu/programs/ot2008/>.

* **15-16 AMS Eastern Section Meeting**, Courant Institute of New York University, New York, New York.

Information: <http://www.ams.org/amsmtgs/sectional.html>.

* **17-21 Nonlinear PDEs of mixed type arising in mechanics and geometry**, American Institute of Mathematics, Palo Alto, California.

Organizers: Gui-Qiang Chen, Tai-Ping Liu, Richard Schoen, and Marshall Slemrod.

Description: This workshop, sponsored by AIM and the NSF, will be devoted to the study of nonlinear partial differential equations of mixed hyperbolic and elliptic type arising in conservation laws, continuum mechanics, differential geometry, relativity, and string theory.

Deadline: November 1, 2007.

Information: See <http://aimath.org/ARCC/workshops/pdesofmixedtype.html>.

* **19-21 The IAENG International Conference on Operations Research 2008**, Regal Kowloon Hotel, Kowloon, Hong Kong.

Topics: Management Science, Managerial economics, Systems thinking and analysis, Optimization, Integer programming, Linear programming, Nonlinear programming, Assignment problem, Transportation network design, Simulation, Statistical Analysis, Stochastics Modelling, Reliability and maintenance, Queueing theory, Game theory, Graph theory, OR algorithms and software developments, OR applications and case studies.

Information: <http://www.iaeng.org/IMECS2008/ICOR2008.html>.

* **28-30 AMS Southeastern Section Meeting**, Louisiana State University, Baton Rouge, Louisiana.

Information: <http://www.ams.org/amsmtgs/sectional.html>.

* **31-April 4 Applications of universal algebra and logic to the constraint satisfaction problem**, American Institute of Mathematics, Palo Alto, California.

Description: This workshop, sponsored by AIM and the NSF, will be devoted to advancing the understanding of the computational complexity of the constraint satisfaction problem using methods and techniques from universal algebra and logic. The intended participants are researchers in computational complexity, universal algebra, and logic. By bringing together researchers from these three

areas, progress could be made towards resolving long-standing open problems about the complexity of constraint satisfaction.

Organizers: Anuj Dawar, Phokion Kolaitis, Benoit Larose, and Matt Valeriote.

Deadline: November 15, 2007.

Information: See <http://aimath.org/ARCC/workshops/constraintsatis.html>.

April 2008

* **4-6 AMS Central Section Meeting**, Indiana University, Bloomington, Indiana.

Information: <http://www.ams.org/amsmtgs/sectional.html>.

17-18 IMA Workshop: Network Dynamics and Cell Physiology, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1381)

21-25 IMA Workshop: Design Principles in Biological Systems, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1381)

May 2008

* **3-4 AMS Western Section Meeting**, Claremont McKenna College, Claremont, California.

Information: <http://www.ams.org/amsmtgs/sectional.html>.

* **11-16 CHT-08: Advances in Computational Heat Transfer**, Kenzi Farah Hotel, Marrakech, Morocco.

Goal: Of the symposium is to provide a forum for the exposure and exchange of ideas, methods and results in computational heat transfer. Papers on all aspects of computational heat transfer - both fundamental and applied - will be welcome.

Organizers: International Centre for Heat and Mass Transfer, the CFD Research Laboratory of the University of NSW, Australia and the LEEVAM Research Laboratory of the University of Cergy-Pontoise, France with the participation of the Heat Transfer Division of ASME International and the assistance of the University of Cadi Ayyad, Marrakech and the University of Limoges, France.

Co-chairs: Graham de Vahl Davis and Eddie Leonardi, CFD Research Laboratory, School of Mech. & Manuf. Engineering, The University of NSW, Sydney, NSW, Australia 2052.

Deadlines: One page abstract: October 1, 2007. Full text of paper: December 15, 2007.

Information: email: cht08@cfm.mech.unsw.edu.au; <http://cht08.mech.unsw.edu.au/>.

* **12-16 Ferroelectric Phenomena in Soft Matter Systems**, American Institute of Mathematics, Palo Alto, California.

Organizers: Maria-Carme Calderer and Jie Shen.

Description: This workshop, sponsored by AIM and the NSF, will be devoted to the modeling, simulation and analysis of the ferroelectric phenomena in soft matter systems such as liquid crystals, elastomers and gels. The ferroelectric phenomena of these materials, such as its interaction with electric fields in switching processes, introduce new challenging problems that can only be properly addressed with a combined effort of theoretical and experimental physicists, and analytical and computational mathematicians.

Deadline: January 10, 2008.

Details: <http://aimath.org/ARCC/workshops/ferroelectric.html>.

* **15-17 Twelfth International Conference Devoted to the Memory of Academician Mykhailo Kravchuk (Krawtchouk) (1892-1942)**, Kyiv, Ukraine.

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.

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

Deadlines: Abstracts of one page by March 1, 2008.

Languages: English, Ukraine, Russian.

Information: Ukraine, 03056, Kyiv-56, Peremohy Ave. 37, National Technical University of Ukraine (KPI), Phys.-Math. Departments, Corpus 7, Room 437, M. Kravchuk Conference, N. Virchenko; tel. (380) 44 454-97-40; email: kravchukconf.@yandex.ru.

18–21 **The 7th AIMS International Conference on Dynamical Systems, Differential Equations and Applications**, University of Texas at Arlington, Arlington, Texas. (May 2007, p. 666)

26–30 **IMA Workshop: Quantitative Approaches to Cell Motility and Chemotaxis**, University of Minnesota, Minneapolis, Minnesota. (Dec. 2006, p. 1381)

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.

June 2008

* 4–7 **First Joint International Meeting with the Sociedade Brasileira de Matematica**, Instituto Nacional de Matematica Pura e Aplicada (IMPA), Rio de Janeiro, Brazil.

Information: <http://www.ams.org/amsmtgs/internmtgs.html>.

* 9–13 **12th International Conference on Hyperbolic Problems: Theory, Numerics, Applications**, University of Maryland, College Park, Maryland.

Important dates: Full consideration will be given to abstracts which are submitted before February 29, 2008. Notification of acceptance of papers: March 28, 2008. Registration fee at a reduced rate: April 11, 2008.

Information: <http://hyp2008.umd.edu>.

* 9–19 **Advances in Set-Theoretic Topology: Conference in Honour of Tsugunori Nogura on his 60th Birthday**, Centre for Scientific Culture “Ettore Majorana”, Erice, Sicily, Italy.

Organizers: Szymon Dolecki, Yasunao Hattori, Dmitri Shakhmatov, Gino Tironi.

Topics: Convergence properties and convergence structures; Dimension theory and related fields; General topology and its applications in other areas of mathematics; Hyperspaces, set-valued mapping and their selections; Set theoretic methods in mathematics; Set theory; Topological algebra (topological groups, function spaces, etc.).

Information: <http://www.math.sci.ehime-u.ac.jp/erice/>; email: erice@dmritri.math.sci.ehime-u.ac.jp.

* 17–20 **4th Croatian Mathematical Congress**, Department of Mathematics, University of Osijek, Osijek, Croatia.

Description: The Congress will have an international component, and it is open to all areas of mathematics.

Program: Includes Plenary Lectures, Croatian Mathematical Society award lecture, parallel sessions and posters. The parallel sessions include invited lectures and contributed talks selected by the Scientific Committee.

Organizers: Department of Mathematics, University of Osijek, Trg Ljudevita Gaja 6, HR-31 000 Osijek, Croatia. Croatian Mathematical Society, Bijenicka 30, HR-10 000 Zagreb, Croatia. Osijek Mathematical Society, Trg Ljudevita Gaja 6, HR-31 000 Osijek, Croatia.

Deadlines: March 15, 2008: For individual abstract submission. May 1, 2008: For notification of acceptance. May 15, 2008: For registration fee payment.

Information: Up-to-date information about the Congress will be available at the website <http://www.mathos.hr/congress2008>.

* 23–27 **Hermitian Symmetric Spaces, Jordan Algebras and Related Problems**, CIRMLuminy, Marseille, France.

Information: This international conference is in honor of Prof. Jean-Louis Clerc; see http://www.cirm.univ-mrs.fr/liste_rencontre/Rencontres2008/Koufany08/Koufany08.html or <http://hssja08.iecn.u-nancy.fr/>.

* 25–27 **ICNPAA 2008: Mathematical Problems in Engineering, Aerospace and Sciences [Theory, Methods (includes Experimental, Computational) and Applications]**, University of Genoa, Italy.

Sponsors: IFNA, IFIP, AIAA University of Genoa, Italy

Deadlines: Organizing Special Session (To send the title of the session, name of the organizers): November 30, 2007. Final deadline for abstracts of the talks: February 15, 2008.

Scope: Includes mathematical problems in all areas of Engineering, Aerospace and sciences.

Organizers: Seenith Sivasundaram, USA; Marcello Sanguineti, Italy.

Information: Contact: ICNPAA 2008, 104 Snow Goose Court, Daytona Beach, Florida 32119; email: Seenithi@aol.com, seenithi@gmail.com; <http://www.icnpaa.com>.

* 29–July 4 **IWASAWA 2008**, Kloster Irsee, Germany.

Information: Conference website: <http://www.irsee2008.de>.

October 2008

* 4–5 **AMS Western Section Meeting**, University of British Columbia and the Pacific Institute of Mathematical Sciences, Vancouver, Canada.

Information: <http://www.ams.org/amsmtgs/sectional.html>.

* 11–12 **AMS Eastern Section Meeting**, Wesleyan University, Middletown, Connecticut.

Information: <http://www.ams.org/amsmtgs/sectional.html>.

* 17–19 **AMS Central Section Meeting**, Western Michigan University, Kalamazoo, Michigan.

Information: <http://www.ams.org/amsmtgs/sectional.html>.

* 24–26 **AMS Southeastern Section Meeting**, University of Alabama, Huntsville, Alabama.

Information: <http://www.ams.org/amsmtgs/sectional.html>.

December 2008

* 17–21 **First Joint International Meeting with the Shanghai Mathematical Society**, Shanghai, China.

Information: <http://www.ams.org/amsmtgs/internmtgs.html>.