

Mathematics Calendar

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

December 2005

*2-4 **International Conference on Harmonic Analysis and Ergodic Theory**, DePaul University, Chicago, Illinois.

Main Feature: Two mini-courses will be offered during the conference, on harmonic analysis and on ergodic theory, talks by C. Kenig and D. Rudolph.

Invited Speakers: John Baxter, University of Minnesota; Vitaly Bergelson, Ohio State University; Charles Fefferman, Princeton University; Richard Gundy, Rutgers University; Carlos Kenig, University of Chicago; Robert Kaufman, University of Illinois at Urbana-Champaign; Michael Lacey, Georgia Institute of Technology; Michael Lin, Ben-Gurion University of the Negev Beer-Sheva, Israel; Fedor Nazarov, Michigan State University; Joseph Rosenblatt, University of Illinois at Urbana-Champaign; Daniel Rudolph, Colorado State University; Arkady Tempelman, Pennsylvania State University; Mate Wierdl, University of Memphis.

Financial Support: Partial financial support is available, contact the organizing committee.

Sponsors: The conference is partially supported by grants from the NSF and DePaul University.

Organizing Committee: Joseph Rosenblatt, University of Illinois at Urbana-Champaign, Ahmed Zayed and Alexander Stokolos, DePaul University.

Information: <http://www.depaul.edu/~haet>.

4-9 **19th Large Installation System Administration Conference (LISA '05)**, San Diego, California. (Oct. 2005, p. 1087)

5-9 **IMA Workshop: Integration of Sensing and Processing**, University of Minnesota, 207 Church St. SE, 400 Lind Hall, Minneapolis, Minnesota. (Jan. 2005, p. 82)

5-9 **30th Australasian Conference in Combinatorial Mathematics and Combinatorial Computing (30ACCMCC)**, The University of Queensland, Brisbane, Australia. (May 2005, p. 570)

12-15 **The Second International Conference on Technology, Knowledge and Society**, Hyderabad, India. (Jun/Jul. 2005, p. 672)

12-16 **Intersection of Arithmetic Cycles and Automorphic Forms**, Centre de recherche mathématiques, Université de Montréal, Montréal, Québec, Canada. (Apr. 2005, p. 477)

12-16 **Recent developments in real and harmonic analysis meeting in honor of Carlos Segovia**, Instituto Argentino de Matemática, Buenos Aires, Argentina. (Nov. 2005, p. 1263)

12-16 **The Modeling of Cancer Progression and Immunotherapy**, AIM Research Conference Center, Palo Alto, California. (Sept. 2005, p. 949)

*12-17 **International conference on "Infinite Dimensional Lie Algebras and its Applications"**, Harish Chandhra Research Institute, Allahabad, India.

Description: The conference will focus on Extended Affine Lie Algebras which includes Affine Lie Algebras and Toroidal Lie Algebras and Lie Algebras based on Quantum Torus. Further topics are Extended Affine Root Systems (including Elliptic Root Systems) and Extended Affine Weyl Group.

Organizers: S. Eswara Rao (TIFR, Mumbai), Punita Batra (HRI, Allahabad, India) and Kailash C. Misra (NCSU, USA).

Speakers: T. Miwa, Oliver Mathieu, Kyoji Saito, Karl Hermann Neeb, Shrawan Kumar, V. Lakshmibai, Yuly Billig, Drazen Adamovic, Saeid Azam, Shaobin Tan, Ben Cox, Slava Futorny, Yoji Yoshii and more expected.

Information: Write to S. Eswara Rao (senapati@math.tifr.res.in)

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/>.

and Punita Batra (batra@mri.ernet.in).

14–16 **CRAMS-05 International Conference on Applied Nonharmonic Fourier Analysis, Business & Computer**, University College (BCU), Beirut, Lebanon. (Apr. 2005, p. 477)

14–18 **First Joint International Meeting with the Taiwanese Mathematical Society**, Taiwan, Taiwan. (Dec. 2004, p. 1379)

15–January 31 **Semidefinite Programming and its Applications**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Nov. 2005, p. 1263)

17–19 **International Symposium on Recent Advances in Mathematics & its Applications (ISRAMA 2005)**, Calcutta Mathematical Society, AE-374, Sector-1, Salt Lake City, Calcutta, India. (Oct. 2005, p. 1087)

27–30 **ASL Winter Meeting (with APA)**, New York, New York. (Jun/Jul. 2005, p. 673)

15–January 31, 2006 **Semidefinite Programming and its Applications**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Apr. 2005, p. 477)

January 2006

2–5 **International Conference on Geometric Function Theory, Special Functions and Applications**, Conference Hall, Hotel Sursuru, 104, Sardar Vallabai Patel Road, Pondicherry-605 001, India. (Sept. 2005, p. 949)

2–5 **Mathematics in the Twentieth Century: In Commemoration of the Birth Centenary of André Weil**, Delhi, India. (Aug. 2005, p. 786)

3–7 **Moduli spaces of knots**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2005, p. 673)

5–9 **Partially hyperbolic dynamics, laminations, and Teichmüller flow Workshop**, Fields Institute, Toronto, Canada. (Nov. 2005, p. 1263)

6–11 **Enumerative invariants in algebraic geometry and string theory**, Cetraro, Italy. (Jun/Jul. 2005, p. 673)

9–12 **IMA Workshop: New Mathematics and Algorithms for 3-D Image Analysis**, University of Minnesota, 207 Church St. SE, 400 Lind Hall, Minneapolis, Minnesota. (Jan. 2005, p. 82)

9–June 30 **Principles of the Dynamics of Non-Equilibrium Systems**, Isaac Newton Institute for Mathematical Sciences, Cambridge, England. (Aug. 2004, p. 835)

12–15 **Joint Mathematics Meetings**, San Antonio, Texas. (May 2005, p. 570)

14–15 **ASL Winter Meeting (with Joint Mathematics Meetings)**, San Antonio, Texas. (Jun/Jul. 2005, p. 673)

16–18 **5th Annual Hawaii International Conference on Statistics, Mathematics, and Related Fields**, Waikiki, Honolulu, Hawaii. (Jun/Jul. 2005, p. 673)

16–20 **Random analytic functions**, AIM Research Conference Center, Palo Alto, California. (Aug. 2005, p. 787)

16–27 **“Propagation of Waves” CIMPA school and workshop**, Instituto de Matemáticas, UNAM, Cuernavaca, Mexico. (Apr. 2005, p. 478)

16–July 7 **Logic and Algorithms**, Isaac Newton Institute for Mathematical Sciences, Cambridge, England. (Aug. 2004, p. 835)

* 21–22 **XIIIth Southern California Geometric Analysis Seminar**, University of California at Irvine

Brief Description: We will have six top mathematicians in geometric analysis to give talks and allow enough time for participants to communicate each other in this two-day Seminar.

Deadline: Funds available from NSF, application deadline December 12, 2005.

List of Speakers: Alice Chang (Princeton), Michael Douglas (Rutgers), Richard Hamilton (Columbia), Toshiki Mabuchi (Osaka), Mutao Wang (Columbia).

Information: Details at <http://www.math.uci.edu/~scgas>.

22–24 **ACM-SIAM Symposium on Discrete Algorithms (SODA)**, Radisson Hotel Miami, Miami, Florida. (Aug. 2005, p. 787)

23–27 **The property of rapid decay**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2005, p. 673)

23–28 **C*-algebras and elliptic theory. II**, Banach Center, Bedlewo, Poland. (Sept. 2005, p. 951)

25–27 **DIMACS Workshop on The Epidemiology and Evolution of Influenza**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey. (Nov. 2005, p. 1263)

30–February 3 **Mathematics-in-Industry Study Group 2005**, Massey University, Auckland, New Zealand. (Jun/Jul. 2005, p. 673)

30–February 3 **The Caccetta-Haggkvist conjecture**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2005, p. 673)

February 2006

6–9 **DIMACS Workshop on Computers in Scientific Discovery III**, Ghent University, Ghent, Belgium. (Nov. 2005, p. 1263)

6–10 **IMA Workshop: The Mathematics and Art of Film Editing and Restoration**, University of Minnesota, 207 Church St. SE, 400 Lind Hall, Minneapolis, Minnesota. (Jan. 2005, p. 82)

* 6–10 **Recent Trends in Nonlinear Science 2006**, Universidad de Oviedo, Gijón, Spain.

Description: This is the Third Winter School in Dynamical Systems of the DANCE (Dinàmica, Atractores y Nolinealidad: Caos y Estabilidad) Spanish network. This series of winter schools aims at training their participants both theoretically and in applications in the field of the nonlinear science; with the aim that theory and applications enforce each other. This will be done in an atmosphere of informal discussion, interchange of ideas and critical discussion of results. Attention will be paid to the numerical and computational issues.

Courses: Shui-Nee Chow (Georgia Tech) & John Mallet-Paret (Brown University), Lattice Dynamical Systems and Applications; Rafael Ortega (Universidad de Granada), Topology of the plane and periodic differential equations; Edriss S. Titi (University of California), Finite dimensional long-term dynamics of infinite dimensional dissipative evolution equations and their numerical reduction methods.

Deadlines: The registration period for RTNS2006 is currently open. It will end in November 5, 2005. The registration price is 300 Euro. It includes attendance, materials and lunch. People registering before October 22, 2005, are entitled to have reduced registration fee which is 250 Euro. There will be a number of registration and partial or full accommodation grants for young participants. Payment of Registration Fee: from November 25 to December 23, 2005. Note: The number of available places in the school is limited. Final admissions will be done by the registration order.

Information: <http://www.dance-net.org/>.

13–17 **Barcelona Conference in Planar Vector Fields**, Centre de Recerca Matemàtica, Bellaterra, Spain. (Jun/Jul. 2005, p. 673)

13–17 **Mathematical and Geophysical Fluid Dynamics**, AIM Research Conference Center, Palo Alto, California. (Sept. 2005, p. 951)

13–18 **L-functions and Related Themes**, Centre de recherche mathématiques, Univ. de Montréal, Montréal, Québec, Canada. (Apr. 2005, p. 478)

15–17 **DIMACS Workshop on Data Mining, Systems Analysis, and Optimization in Neuroscience**, University of Florida, Gainesville, Florida. (Nov. 2005, p. 1263)

20–24 **p-adic representations, modularity, and beyond**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2005, p. 673)

20–25 **Advanced Course on Arakelov Geometry and Shimura Varieties**, Centre de Recerca Matemàtica, Bellaterra, Spain. (Jun/Jul. 2005, p. 674)

21–24 **XV International Symposium on Mathematical Methods applied to the Sciences**, San José, Costa Rica. (Sept. 2005, p. 951)

* 22–24 **SIAM Conference on Parallel Processing for Scientific Computing**, Sir Francis Drake Hotel, San Francisco, California.

Themes: Main Theme: Large-Scale Parallel Computing with emphasis on Algorithms, Tools and Techniques for performing scientific computations on 100 to 100,000 processors.

Subthemes: Scalable algorithms including latency-tolerant schemes, programming models and languages for mathematical applications, data-intensive science and engineering applications, high-compute density systems (e.g., clusters, cell processor,...), performance modeling.

Deadlines: Minisymposium proposals: Friday, September 30, 2005. Contributed abstracts: Friday, September 30, 2005.

Organizing Committee Co-chairs: Charbel Farhat, Stanford University; William Gropp, Argonne National Laboratory.

Information: email: cyoung@siam.org.

24–27 **Lie groups: Dynamics, Rigidity, Arithmetic, in honor of Gregory Margulis' 60th birthday**, Yale University, New Haven, Connecticut. (Sept. 2005, p. 952)

March 2006

6–10 **IMA Workshop: Natural Images**, University of Minnesota, 207 Church St. SE, 400 Lind Hall, Minneapolis, Minnesota. (Jan. 2005, p. 82)

7–11 **Holomorphic Dynamics Workshop**, Fields Institute, Toronto, Canada. (Nov. 2005, p. 1263)

* 12–18 **Workshop on "Special Geometries in Mathematical Physics"**, Kühlungsborn, Germany.

Organizers: Ilka Agricola (agricola@mathematik.hu-berlin.de); Richard Cleyton (cleyton@math.ucr.edu); Simon Chioffi (sgc@mathematik.hu-berlin.de); Thomas Friedrich (friedric@mathematik.hu-berlin.de); Paul-Andi Nagy (nagy@mathematik.hu-berlin.de).

Aim: To bring together in a casual and friendly atmosphere, scientists from mathematics and theoretical physics working on special geometric structures on Riemannian manifolds, spinorial field equations and supersymmetries, geometric methods of string theory.

Confirmed invited speakers: Vestislav Apostolov (Montreal), Paul Gauduchon (Palaiseau), Jan Louis (Hamburg), George Papadopoulos (King's College London), Simon Salamon (Torino), Andrew Swann (Odense).

Information: http://www-irm.mathematik.hu-berlin.de/~pahlisch/public_html/tagung-klgsborn/kuehlungsborn.html.

13–17 **Anatomy of Integers**, Centre de recherche mathématiques Université de Montréal, Montréal, Québec, Canada. (Apr. 2005, p. 478)

21–24 **Workshop on Valuation Theory and its Applications - In Memoriam Otto Endler**, State University of Campinas (UNICAMP), Campinas, SP/Brazil. (Nov. 2005, p. 1263)

April 2006

1–2 **AMS Southeastern Section Meeting**, Florida International University, Miami, Florida. (May 2005, p. 570)

3–7 **IMA Workshop: Shape Spaces**, University of Minnesota, 207 Church St. SE, 400 Lind Hall, Minneapolis, Minnesota. (Jan. 2005, p. 82)

* 3–7 **8th International Conference on Approximation and Optimization in the Caribbean**, Universidad Autonoma de Santo Domingo (UASD), Dominican Republic.

Description: This is the first announcement and call for papers. The deadline for submitting papers is January the 30th. We are inviting lectures, tutorials, mini-symposia, and contributed talks on the following topics: Approximation: Wavelets, polynomial and rational approximation, splines, orthogonal polynomials, interpolation, asymptotic analysis, radial basis function. Optimization: Continuous and discrete optimization, parametric, stochastic and global optimization, nonlinear equations and inequalities, non-smooth analysis, critical point theory, control theory. Mathematical economics: fixed point theory, equilibria of competitive economics, portfolio problems, cooperative and noncooperative games. Applications: engineering and energy models, robotics, pattern recognition, image restoration, applications in biology, economy and sciences.

Organizers: Jürgen Guddat, Humboldt-University, Berlin Institute of Mathematics Unter den Linden 6 D-10099 Berlin, Germany; email: guddat@mathematik.hu-berlin.de; Amado Reyes Universidad Autonoma de Santo Domingo, Ciudad Universitaria, Departamento de matematica, Facultad de Ciencias, Santo Domingo, Dominican Republic. Phone: (809)732-2575, Fax (809)732-2556; email: sunlandamado@verizon.net.do.

* 3–7 **Workshop on Jordan Structures in Analysis and Geometry**, National Sun Yat-sen University, Kaohsiung, Taiwan.

Objectives: Recent years have seen many important developments and applications of Jordan structures in geometry, analysis and operator algebras. The aim of the workshop is to bring together experts in relevant areas to exchange ideas and inform recent progress, with a view to stimulate new research as well as generating new directions and opportunities for young researchers including research students.

Call for papers: To give a contributed talk, please contact the organizers before February 28, 2006.

Organizers: Cho-Ho Chu (c.chu@qmul.ac.uk); Ngai-Ching Wong (wong@math.nsysu.edu.tw).

Speakers include: L. G. Brown (Purdue), L. J. Bunce (Reading), C-H. Chu (London), Hong-ke Du (China), C. M. Edwards (Oxford), Y. Friedman (Jerusalem), Hwa-Long Gau (Taiwan), Mark C. Ho (Taiwan), R. Iordanescu (Bucharest), J. M. Isidro (Santiago), J-S. Jeang (Taiwan), Guoxing Ji (China), Chunglan Jiang (China), W. Kaup (Tübingen), T. Honda (Hiroshima), C. W. Leung (Hong Kong), Chin-Cheng Lin (Taiwan), Ying-Fen Lin (Taiwan), M. Mackey (Dublin), K. McCrimmon (Virginia), M. Neal (Denison), C. K. Ng (Nankai), T. Nomura (Kyushu), R. Pantilie (Bucharest), A. M. Peralta (Granada), G. Roos (St. Petersburg), B. Russo (Irvine), S-Y. Shaw (Taiwan), M-H. Shih (Taiwan), L. Stacho (Szeged), H. Upmeyer (Marburg), M. V. Velasco (Granada) (to be confirmed), W. Werner (Münster), N-C. Wong (Taiwan), P-Y. Wu (Taiwan), J-C. Yao (Taiwan), B. Zalar (Maribor), G. Zhang (Chalmers).

Information: <http://www.math.nsysu.edu.tw/~wong/wjs2006>.

3–8 **International Workshop on Multi-Rate Processes & Hysteresis**, University College Cork, Cork, Ireland. (Jun/Jul. 2005, p. 674)

6–12 **Additive Combinatorics**, Centre de recherche mathématiques, Université de Montréal, Montréal, Québec. (Apr. 2005, p. 478)

8–9 **AMS Central Section Meeting**, University of Notre Dame, Notre Dame, Indiana. (May 2005, p. 570)

* 20–22 **2006 SIAM International Conference on Data Mining**, Hyatt Regency Bethesda, Bethesda, Maryland.

Description: Data mining is becoming an important tool in science, engineering, industrial processes, healthcare, and medicine. The datasets in these fields are large, complex, and often noisy. Extracting knowledge requires the use of sophisticated, high-performance and principled analysis techniques and algorithms,

based on sound statistical foundations. These techniques in turn require powerful visualization technologies; implementations that must be carefully tuned for performance; software systems that are usable by scientists, engineers, and physicians as well as researchers; and infrastructures that support them.

Information: <http://www.siam.org/meetings/sdm06/index.htm>.

20–22 **Logic, Models and Computer Science: LMCS06**, Dipartimento di Matematica e Informatica, Università di Camerino, Camerino, Italy. (Oct. 2005, p. 1087)

22–23 **AMS Eastern Section Meeting**, University of New Hampshire, Durham, New Hampshire. (May 2005, p. 570)

29–30 **AMS Western Section Meeting**, San Francisco State University, San Francisco, California. (May 2005, p. 570)

20–May 2 **INFORMS Practice Conference: Applying Science to the Art of Business**, Hotel Intercontinental Miami, Florida. (Aug. 2005, p. 787)

29–May 1 **2006 Barrett Lectures in Topology**, University of Tennessee, Knoxville, Tennessee. (Sept. 2005, p. 953)

May 2006

* 1–June 30 **Random Graphs and Large-Scale Real-World Networks**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Program: The aim of the program is to bring together people who have done much work on the rigorous mathematical theory of random graphs and experts (mostly physicists and computer scientists) on measuring real-world graphs, modeling them and studying them experimentally. The problems concerning complex networks vary greatly in importance and difficulty, so the program should not only enable young researchers to gain access to the methods and problems of a large and very active field, but the research community should also benefit from the collective wisdom of the participants as to the direction of future research.

Organizing Committee: Bela Bollobas (University of Memphis and University of Cambridge).

Co-chairs: Khee-Meng Koh (National University of Singapore); Oliver Riordan (University of Cambridge); Chung-Piaw Teo (National University of Singapore); Vikram Srinivasan (National University of Singapore).

Information: For general enquiries, please email ims@nus.edu.sg. For enquiries on scientific aspects of the program, please email Bela Bollobas at bollobas@msci.memphis.edu. Completed forms should be received by the Institute at least one month before commencement of each activity. Registration is free of charge. Institute membership is not required for participation. Information about the program and registration forms are available at the website <http://www.ims.nus.edu.sg/Programs/randomgraphs/index.htm>.

5–10 **Combinatorial and Geometric Group Theory**, Vanderbilt University, Nashville, Tennessee. (Jun/Jul. 2005, p. 674)

6–11 **International Conference on Fourier and Complex Analysis: Classical problems current view**, Protaras, Cyprus. (Oct. 2005, p. 1087)

8–19 **CANT 2006: Combinatorics, Automata and Number Theory**, University of Liege, Belgium. (Jun/Jul. 2005, p. 674)

* 9–11 **DIMACS Workshop on Clustering Problems in Biological Networks**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey.

Short Description: DIMACS and CSNA (Classification Society of North America) cordially invite you to participate in the “DIMACS Workshop on Clustering Problems in Biological Networks” in conjunction with “Classification Society of North America 2006 Meeting on Network Data Analysis and Data Mining: Applications in Biology, Computer Science, Intrusion Detection, and Other areas”.

Scope: The purpose of this conference is to explore a wide range of advances in network clustering techniques in the study of biological networks. This workshop will provide a forum for leading as well as beginning researchers to discuss recent advances and identify current and future challenges/trends arising in the research concerning clustering problems in computational biology.

Organizers: Sergiy Butenko, Texas A&M, butenko@tamu.edu; W. Art Chaovalitwongse, Rutgers University, wchaoval@rci.rutgers.edu; Panos Pardalos, University of Florida, pardalos@ufl.edu.

Deadlines: To submit an abstract, please email the title and abstract to W. Art Chaovalitwongse, email: wchaoval@rci.rutgers.edu by April 1, 2006. Full papers presented at the conference will be considered for publication in special issues of international journals.

Information: <http://dimacs.rutgers.edu/Workshops/Clustering>. Further information including instructions for registration may be obtained from the conference web site or by email from wchaoval@rci.rutgers.edu. Proposals for special sessions, contributed papers and invited speakers are welcome and may be submitted via this email address.

* 10–13 **CSNA06. Annual meeting of the Classification Society of North America**, DIMACS Center, Rutgers University, Piscataway, New Jersey.

Theme: Network data analysis and data mining: Applications in biology, sociology, computer science, intrusion detection and related areas. The general theme involves data analysis of various types of networks, and as is typical in DIMACS sponsored events, the meeting will involve interdisciplinary approaches that will include ideas from discrete mathematics, statistics, and computer science. Background material will be provided by means of tutorials and expository talks, and there will be a strong emphasis on the solution of real world problems. The formation of research alliances for future work will be encouraged. CSNA meetings are traditionally informal and interdisciplinary. The annual meeting of CSNA will be held as part of this meeting, as will the meeting of its Board of Directors. Further information about the meeting may be obtained by email from csna06@dimacs.rutgers.edu. Proposals for special sessions, contributed papers and invited speakers are welcome and may be submitted via this email address. This meeting will be held partly as a joint meeting with the DIMACS workshop “Clustering Problems in Biological Networks” that is being held May 9–11, 2006 at DIMACS. See: <http://dimacs.rutgers.edu/Workshops/Clustering/>. Both DIMACS and the CSNA cordially invite you to participate in these meetings.

Information: Detailed information is available at <http://dimacs.rutgers.edu/Workshops/CSNA>.

13–18 **Analytic methods for Diophantine equations**, Banff International Research Station, Banff, Alberta, Canada. (Apr. 2005, p. 478)

15–17 **SIAM Conference on Imaging Science**, Radisson Hotel Metrodome, Minneapolis, Minnesota. (Oct. 2005, p. 1087)

16–20 **5th Conference on Function Spaces at SIUE**, Southern Illinois University, Edwardsville, Illinois. (Oct. 2005, p. 1087)

17–19 **Conference of Applied Statistics in Ireland**, University College Cork, Cork, Ireland. (Sept. 2005, p. 953)

17–21 **ASL Annual Meeting**, Montreal, Canada. (Jun/Jul. 2005, p. 674)

22–26 **IMA Workshop: Visual Learning and Recognition**, University of Minnesota, Minneapolis, Minnesota. (Jan. 2005, p. 82)

22–26 **Low Eigenvalues of Laplace and Schrodinger Operators**, AIM Research Conference Center, Palo Alto, California. (Oct. 2005, p. 1087)

23–27 **Hyperbolic Geometry Workshop**, Fields Institute, Toronto, Canada. (Nov. 2005, p. 1264)

24–26 **International Workshop on Post-Quantum Cryptography**, Katholieke Universiteit Leuven, Belgium. (Sept. 2005, p. 953)

25–27 **Complex and Harmonic Analysis, an international conference**, Thessaloniki, Greece. (Oct. 2005, p. 1088)

* 29–June 3 **International Conference on Toric Topology**, Osaka City University, Osaka, Japan.

Description: The conference will provide an opportunity for interaction between people who work on different aspects of torus actions, such as topological, combinatorial, and symplectic- or algebro-geometric. We hope that the conference will provide an opportunity for researchers in a wide range of fields to interact. As such, we hope to arrange for a mix of survey talks and research talks (or talks that are a little of both).

Information: <http://www.math.toronto.edu/~megumi/ToricTopology/>.

Speakers: The following people agreed to give 1-hour or 45-min talks: Victor Buchstaber (Steklov Mathematical Institute), Akio Hattori (University of Tokyo), Askold Khovanskii (University of Toronto), Dusa McDuff (SUNY-Stonybrook), Robert MacPherson (Institute of Advanced Study), Leonid Polterovich (Tel Aviv University), Nigel Ray (University of Manchester), Chris Allday (University of Hawaii), Paul Biran [to be confirmed] (Tel Aviv University), Ana Cannas da Silva (IST - Lisbon), Eugene Lerman (University of Illinois), Dietrich Notbohm (University of Leicester), Hiroshi Konno (University of Tokyo), Susan Tolman (University of Illinois), Alexander Veselov [to be confirmed] (Loughborough University).

Organizers: Megumi Harada (Univ. of Toronto), megumi@math.toronto.edu; Yael Karshon (Univ. of Toronto), karshon@math.toronto.edu; Mikiya Masuda (Osaka City Univ.), masuda@sci.osaka-cu.ac.jp; Taras Panov (Moscow State Univ. & Osaka City Univ.), tpanov@mech.math.msu.su.

* 30–June 3 **2006 USENIX Annual Technical Conference**, Boston, Massachusetts.

Description: The USENIX Annual Technical Conference has always been the place to present groundbreaking research and cutting-edge practices in a wide variety of technologies and environments and 2006 is no exception. There will be an extensive Training Program and Technical Sessions, featuring refereed papers in the new Systems Practice & Experience Track, Invited Talks, Guru Is In Sessions, and a Poster Session. Join the community of programmers, developers, and systems professionals in sharing solutions and fresh ideas.

Information: <http://www.usenix.org/usenix06/>.

30–June 6 **NAFSA 8–8th International Spring School on Nonlinear Analysis, Function Spaces and Applications**, Czech University of Agriculture, Prague, Czech Republic. (Oct. 2005, p. 1088)

June 2006

* 1–July 31 **Algorithmic Biology: Algorithmic Techniques in Computational Biology**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Program: The theme of this program is algorithmic biology: algorithmic techniques in computational biology. The program will bring together researchers in algorithmic biology from a wide spectrum of application areas including, but not limited to, sequence comparison and analysis, microarray design and analysis, whole genome alignment, motif finding, recognition of genes and regulatory elements, motif finding, gene network, phylogeny reconstruction, phylogenetic networks, molecular evolution, computational proteomics, and systems biology.

Organizing Committee: Co-chairs: Hon Wai Leong (National University of Singapore); Pavel Pevzner (University of California, San Diego); Franco Preparata (Brown University); Ken W. K. Sung (National University of Singapore); Louxin Zhang (National University of Singapore).

Information: email: ims@nus.edu.sg. For enquiries on scientific

aspects of the program, please email Hon-Wai Leong at leonghw@comp.nus.edu.sg.

Deadline: Completed forms should be received by the Institute at least one month before commencement of each activity. Registration is free of charge. Institute membership is not required for participation.

Information: <http://www.ims.nus.edu.sg/Programs/algorithmicbiology/index.htm>.

* 5–9 **Selfsimilar groups and conformal dynamics**, AIM Research Conference Center, Palo Alto, California.

Workshop topics: This workshop, sponsored by AIM and the NSF, will be devoted to developing newly discovered connections between the theory of automaton groups and conformal dynamical systems. Specific goals will focus on explaining and developing relationships between algebraic and geometric properties.

Organizers: Rostislav Grigorchuk and Kevin Pilgrim.

Application deadline: March 5, 2006.

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

* 5–12 **Motives and Periods**, University of British Columbia, Vancouver, BC, Canada.

Description: The Conference is intended to cover recent developments of motives and periods with an emphasis on connections to physics, arithmetic and algebraic cycles. The conference has an instructional component which consists of a series of survey talks. The conference will provide an opportunity for young speakers to present their results.

Workshop topics: Motives, especially its connections to Periods, Cycles, Arithmetic and Physics.

Organizers: Jim Carrell, James Lewis, Stefan Müller-Stach, Andreas Rosenchon, Pramath Sastry.

Speakers: S. Bloch, P. Colmez, K. Kato [Tentative], D. Kriemer, M. Levine, M. Nori.

Information: email: pramath@math.toronto.edu.

7–10 **Symposium in Complex Analysis**, Kranjska Gora, Slovenia. (Nov. 2005, p. 1264)

9–14 **Eight International Conference on Geometry, Integrability and Quantization**, Sts. Constantine and Elena resort (near Varna), Bulgaria. (Oct. 2005, p. 1088)

12–15 **2006 International Conference on Applied Mathematics and Interdisciplinary Research-Nankai**, Nankai University, Tianjin, P. R. China. (May 2005, p. 570)

12–16 **Function Theories in Higher Dimensions**, Tampere University of Technology, Tampere, Finland. (Jun/Jul. 2005, p. 674)

* 12–16 **The Twenty-Second Annual Mathematical Problems in Industry Workshop**, Needham, Massachusetts.

Description: The challenge facing business and industry is to prosper in an era of rapid technological growth. Meeting the challenge requires continually improving productivity, resource management, and innovation, both to refine existing productions and processes, and to create new ones.

This lively five-day interaction (in cooperation with SIAM) begins with the industry representatives presenting their problems to the group of attendees. For the rest of the week, the workshop participants break into small working groups consisting of senior faculty and attending scientists, students, and the industrial representatives, to discuss and tackle the problems in an informal setting. Examples of problems brought to recent workshops include:

- Stability of the Oil-Air Boundary in Fluid Dynamic Bearings of Hard Disk Drives (Hitachi GST).
- Enhanced Leak Detection (Gilibarco/Veeder-Root).
- Lubricating Layer Perturbations in Chemical-Mechanical Polishing (Araca, Inc.).
- Need a Lift? An Elevator Queuing Problem (United Technologies).
- Multiphase Flow in a Thin Porous Material (W. L. Gore).

On the last day of the workshop, an academic representative from each group presents the results obtained and discusses possible future directions. A written report detailing the progress made during the workshop is prepared subsequently and sent to the industry representatives. The format of the workshop is not strict and some variation is possible.

19–23 **Free Analysis**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2005, p. 674)

19–23 **Modern stochastics: theory and applications**, Kyiv National Taras Shevchenko University, Kyiv, Ukraine. (Sept. 2005, p. 953)

* 19–23 **The International Summer School in Several Complex Variables**, Szczyrk, Poland.

Description: We wish to bring together the leading specialists and the young researchers working in pluripotential theory, complex dynamics, complex approximation theory, invariant distances and geometrical aspects of complex analysis. We plan four 4 hours long courses, delivered by leading specialists, introducing to the recent developments in algebraic geometry (given by X.X. Chen (Madison)), multivariable complex dynamics (E. Bedford (Bloomington)), invariant distances (P. Pflug (Oldenburg)) and approximation theory (W. Pleüniak (Kraków)).

Scientific Committee: E. Bedford (Bloomington), U. Cegrell (Umea), E. Chirka (Moscow), F. Forstneric (Ljubljana), P. Guan (Montreal), T. Ohsawa (Nagoya), P. Pflug (Oldenburg), J. Siciak (Kraków), A. Zeriahi (Toulouse).

Invited Speakers: T. Bloom (Toronto), U. Cegrell (Umea), Bo-Yong Chen (Shanghai), D. Coman (Syracuse), E. Chirka (Moscow), Dinh Tien-Cuong (Paris), F. Forstneric (Ljubljana), V. Guedj (Toulouse), N. Levenberg (Bloomington), E. Ligocka (Warszawa), A. Nicoara (Harvard), Ohsawa (Nagoya), E. Poletsky (Syracuse), G. Tian (Princeton), A. Zeriahi (Toulouse).

Information and Fee: We estimate the conference fee (including hotel and meals) at 300-320 euro. For further information please contact: email: scv2006@im.uj.edu.pl. Also see <http://www.im.uj.edu.pl/scv2006/>.

21–23 **ICNPAA-2006: Mathematical Problems in Engineering and Aerospace Sciences**, Budapest, Hungary. (May 2005, p. 570)

* 22–24 **2nd International Workshop on Graph-Theoretic Concepts in Computer Science**, Bergen, Norway.

Aim: The workshop aims at uniting theory and practice by demonstrating how graph-theoretic concepts can be applied to various areas in Computer Science, or by extracting new problems from applications. The goal is to present recent research results and to identify and explore directions for future research. The workshop is well-balanced with respect to established researchers and young scientists. For many years now, the proceedings have been published in the “Lecture Notes of Computer Science” (LNCS) series of Springer-Verlag.

Important Dates: Paper submission deadline: March 3, 2006. Notification of acceptance: April 29, 2006.

Information: Further information, such as submission guidelines, contacts, and local information, will be available at the conference web site: <http://www.ii.uib.no/wg06/>.

* 25–28 **SIAM Conference on Discrete Mathematics**, University of Victoria, Victoria, British Columbia, Canada.

Conference Themes: Discrete mathematics, Combinatorics, Graph theory and matroids, Combinatorial algorithms, Coding theory and cryptology, Ordered sets: and its connections to other disciplines, including: Computer science, Computational biology, Optimization, Geometry, Probability.

Submission Deadlines: Minisymposium proposals: January 18, 2006. Abstracts for all contributed and minisymposium presentations: February 8, 2006.

Organizing Committee Chair: Douglas B. West, University of Illinois at Urbana-Champaign.

Information: email: ross@siam.org.

25–28 **INFORMS International Hong Kong 2006**, Sheraton Hotel & Towers Hong Kong, Hong Kong, China. (Jun/Jul. 2005, p. 674)

25–28 **The Sixth AIMS Conference on Dynamical Systems, Differential Equations and Applications**, University of Poitiers, Poitiers, France. (Jun/Jul. 2005, p. 674)

* 26–30 **Algebraic Combinatorics: An International Conference in honor of Eiichi Bannai's 60th birthday**, Sendai International Center, Sendai, Japan.

Organizers: Akihiro Munemasa (Tohoku, Japan. Local organizer), Mitsugu Hirasaka (Busan, Korea), Tatsuro Ito (Kanazawa, Japan), Izumi Miyamoto (Yamanashi, Japan) and Sung-Yell Song (Ames, Iowa).

Invited Speakers: Christine Bachoc (Bordeaux, France), Andries Brouwer (Eindhoven, Netherlands), Michel Deza (Paris, France), Koichiro Harada (Columbus, Ohio), Alexander Ivanov (London, UK), Mikhail Klin (Beer Sheva, Israel), Jack Koolen (Pohang, Korea), Sergey Shpectorov (Bowling Green, Ohio), Neil J. A. Sloane (AT&T, New Jersey), Patrick Sole (CNRS, France), Paul Terwilliger (Madison, Wisconsin), Boris Venkov (St. Petersburg, Russia), Zhe-Xian Wan (Beijing, China).

Information: Further information and registration forms will be available from the website at <http://homepage.mac.com/amunemas/ac2006/index.html>.

26–30 **Calibrations**, AIM Research Conference Center, Palo Alto, California. (Sept. 2005, p. 954)

27–July 3 **International Commission on Mathematical Instruction: Challenging Mathematics In and Beyond the Classroom**, Trondheim, Norway. (Apr. 2005, p. 478)

July 2006

2–7 **ICOTS 7, Working Cooperatively in Statistics Education**, Salvador (Bahia), Brazil. (Mar. 2004, p. 361)

3–7 **Inverse Problems in Applied Sciences—toward break through**, University Conference Hall, Hokkaido University, Sapporo, Japan. (Nov. 2005, p. 1264)

7–8 **Second International Conference on Nonsmooth/Nonconvex Mechanics with Applications in Engineering**, Faculty of Engineering, Aristotle University, Thessaloniki, Greece. (Apr. 2005, p. 478)

* 10–12 **SIAM Conference on Analysis of Partial Differential Equations**, Boston Park Plaza Hotel and Towers, Boston, Massachusetts.

Description: This second conference organized by the SIAM Activity Group (SIAG) on Analysis of Partial Differential Equations (SIAG/APDE) will have seven 45-minute invited lectures, minisymposia, and contributed talks. The winner of the SIAG on Analysis of Partial Differential Equations Prize will give one of the plenary lectures. This conference targets all researchers in partial differential equations with an interest at the intersection of analysis and applications. Advanced graduate students and young researchers are encouraged to participate. Limited funding is available for graduate students and recent Ph.D.s.

Information: email: wilden@siam.org.

10–14 **International Conference on Analytic Topology**, Lake Plaza Hotel, Rotorua, New Zealand. (Apr. 2005, p. 478)

10–14 **Ninth International Conference on p-adic functional analysis**, University of Concepcion, Concepcion, Chile. (Aug. 2005, p. 787)

* 17–August 4 **International Conference and Instructional Workshop on Discrete Groups**, The Morningside Center of Mathematics, Beijing, People's Republic of China.

Description: Locally symmetric spaces and discrete subgroups of Lie groups have played a fundamental role in many branches of modern mathematics. Various aspects of these important objects

are often studied by different groups of people using different methods. It would be beneficial and fruitful to bring together experts in all these areas to exchange their results, techniques, to develop possible collaborations, and to show the power and beauty of locally symmetric spaces and discrete subgroups of Lie groups.

Invited Speakers: Minicourses (4 hours): M. Burger, T. Farrell, T. Kobayashi, A. Koranyi, A. Lubotzky W. Lueck*, N. Mok, W. Mueller, G. Prasad, B. Speh.

Research talks: Herbert Abels, Yves Benoist, Ulrich Bunke, D. Canary Haibao Duan, Jun Hu, Enrico Leuzinger, Fang Li, Ke-Zheng Li Kefeng Liu, R. Miatello, A. Nair, Pierre Pansu, Liangang Peng J. Rohlf, Hebin Rui, L. Saper, Joachim Schwermer, Jian-yi Shi R. Spatzier, Yucai Su, T. N. Venkataramana, Changchang Xi Nanhua Xi, Jie Xiao, Fei Xu, Xiaoping Xu, Pu Zhang Zhu-Jun Zheng, Xiangyu Zhou, S. Zucker.

Organizing Committee: Shing-Tung Yau (chair), Lizhen Ji, Kefeng Liu, Nanhua Xi Hongwei Xu, Lo Yang, Zhu-Jun Zheng, Xiangyu Zhou.

Contacts: Xiaoning Li (for hotel and arrival information); email: xnli@mail.math.ac.cn, Chen Fang (for titles and abstracts of talks); email: qjpam@henu.edu.cn.

Information: <http://qjpam.henu.edu.cn/>.

17–August 11 **Spectral Theory and Partial Differential Equations**, Isaac Newton Institute for Mathematical Sciences, Cambridge, England. (Aug. 2004, p. 835)

23–27 **The Ninth International Conference on Integral Methods in Science and Engineering (IMSE-2006)**, Sheraton Fallsview Hotel and Conference Centre, Niagara Falls, Ontario, Canada. (Aug. 2005, p. 787)

24–December 22 **Noncommutative Geometry**, Isaac Newton Institute for Mathematical Sciences, Cambridge, England. (Aug. 2004, p. 835)

27–August 2 **ASL European Summer Meeting (Logic Colloquium '06)**, Nijmegen, Netherlands. (Jun/Jul. 2005, p. 675)

* 30–August 5 **International Conference on Radicals (ICOR-2006)**, Kiev National Taras Shevchenko University, Kiev, Ukraine.

Organizer: Vladimir Kirichenko (Kiev, Ukraine).

Deadline: The registration till April 1, 2006. Abstracts: A one-page abstract till May 15, 2006.

Information: Department of Mechanics and Mathematics (ICOR-2006), Kiev National Taras Shevchenko University, Vladimirska Str., 64, 01033 Kiev, Ukraine.

30–August 24 **Bayesian Nonparametric Regression: Theory, Methods and Applications**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom. (Oct. 2004, p. 1097)

* 31–August 2 **2006 Symposium on Performance Evaluation of Computer and Telecommunication Systems**, Calgary, Canada.

Information: <http://www.scs.org/summersim/spects>.

August 2006

14–18 **Seventh International Conference on Monte Carlo and Quasi-Monte Carlo Methods in Scientific Computing (MCQM 2006)**, Ulm, Germany. (Nov. 2005, p. 1264)

22–30 **International Congress of Mathematicians**, Madrid, Spain. (Nov. 2005, p. 1264)

September 2006

* 1–4 **Topics in Mathematical Analysis and Graph Theory**, University of Belgrade, Faculty of Electrical Engineering, Department of Applied Mathematics, Serbia and Montenegro.

Description: This conference is a satellite to International Congress of Mathematicians, August 22–30, 2006.

Topics: Classical mathematical analysis, including inequalities and convexity, Graph theory and combinatorics, Special functions, Differential equations, Functional analysis, Numerical analysis,

Complex analysis, Probability and Statistics, Mathematical aspects of computer science, Differential geometry and related topics, Number theory, Applications of mathematics in Electrical Engineering and Telecommunications.

Invited speakers: R. P. Agarwal (USA), L. M. Berkovich (Russia), Dragos Cvetkovic (Serbia), Curtis Cooper (USA), Soon-Yeong Chung (Korea), Sever Dragomir (Australia), A.M. Fink (USA), Aleksandar Ivic (Serbia), Hira Koul (USA), Gradimir Milovanovic (Serbia), Ingram Olkin (USA), B.G. Pachpatte (India), Themistocles Rassias (Greece), Peter Rowlinson (UK), Hari M. Srivastava (USA), Zsolt Tuza (Hungary).

Scientific Committee: L. M. Berkovich (Russia), Dragos Cvetkovic (Serbia), Sever Dragomir (Australia), A. M. Fink (USA), Aleksandar Ivic (Serbia), Hira Koul (USA), Gradimir Milovanovic (Serbia), Ingram Olkin (USA), Peter Rowlinson (UK), Hari M. Srivastava (USA), Zsolt Tuza (Hungary).

Local organizing committee: Milan Merkle (coordinator), Nenad Cacic, Dragos Cvetkovic, Cemal Dolicanin, Ivan Lackovic, Zoran Radosavljevic, Dejan Tosic, Dobrilo Tosic, Slobodan Simic, Gradimir Milovanovic, Stevan Pilipovic, Milan Taskovic.

Information: <http://magt.etf.bg.ac.yu>; email: pefmath@etf.bg.ac.yu.

4–8 **Satellite Conference on Differential Equations and Singularities, in honor of J. M. Arca's 60th birthday**, Tordesillas (Valladolid, Spain). (Jun/Jul. 2005, p. 675)

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.

May 2007

* 14–July 13 **Braids**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Program: The main theme of the program is the mathematical structure of the braid group, together with applications arising from this structure both within mathematics, and outside of mathematics such as (a) magnetohydrodynamics, (b) robotics and (c) stereochemistry. It is proposed to invite workers in these different areas with the intention of cross-fertilization. The interests of the organizers lie mostly in topology. Therefore it is likely that most long-term visitors will be from that area.

Deadline: Completed forms should be received by the Institute at least one month before commencement of each activity. Registration is free of charge. Institute membership is not required for participation.

Organizing Committee: Co-chairs: Jon Berrick (National University of Singapore); Fred R. Cohen (University of Rochester).

Information: email: ims@nus.edu.sg. For enquiries on scientific aspects of the program, please email A.J. Berrick at berrick@math.nus.edu.sg; <http://www.ims.nus.edu.sg/Programs/braids/index.htm>.