

Mathematics Calendar

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

May 2006

29–June 2 **Analytic Function Spaces**, University of Joensuu, Joensuu, Finland. (Apr. 2006, p. 495)

29–June 2 **International School on Partial Differential Equations**, Depto. Matemáticas y Mecánica, IIMAS Universidad Nacional Autónoma de México (UNAM), Mexico City, Mexico. (May 2006, p. 606)

29–June 3 **International Conference on Toric Topology**, Osaka City University, Osaka, Japan. (Dec. 2005, p. 1381)

30–June 2 **DAYS on DIFFRACTION-2006**, St. Petersburg University & St. Petersburg Branch Steklov Math. Inst., St. Petersburg, Russia. (Jan. 2006, p. 68)

30–June 2 **Geometry and Representation Theory: A conference in honor of George Lusztig**, M.I.T., Cambridge, Massachusetts. (Feb. 2006, p. 285)

30–June 3 **2006 USENIX Annual Technical Conference**, Boston, Massachusetts. (Dec. 2005, p. 1381)

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)

31–June 4 **MASSEE International Congress on Mathematics: MICOM-2006**, Cyprus, Greece. (Mar. 2006, p. 377)

June 2006

1–3 **Carleton Applied Probability Workshop**, Carleton University, Ottawa, Canada. (Apr. 2006, p. 495)

1–July 31 **Algorithmic Biology: Algorithmic Techniques in Com-**

putational Biology, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Dec. 2005, p. 1381)

2–14 **Approximation Algorithms**, Centre de Recherches Mathématiques, Montreal, Canada. (May 2006, p. 607)

4–10 **Workshop on Commutative Rings**, Cortona, Italy. (Feb. 2006, p. 286)

*4–29 **Joint Summer Research Conference**, Snowbird Resort, Snowbird, Utah.

Information: <http://www.ams.org/meetings/src.html>.

5–9 **Poisson 2006: Poisson Geometry in Mathematics and Physics**, National Olympic Memorial Youth Center, Tokyo, Japan. (Jan. 2006, p. 68)

5–9 **Selfsimilar groups and conformal dynamics**, AIM Research Conference Center, Palo Alto, California. (Dec. 2005, p. 1381)

5–9 **Workshop on Fourier Analysis, Geometric Measure Theory and Applications**, Centre de Recerca Matemàtica, Barcelona, Spain. (May 2006, p. 607)

5–12 **Motives and Periods**, University of British Columbia, Vancouver, BC, Canada. (Dec. 2005, p. 1381)

5–15 **Arithmetic and Geometry Around Quantization, European Mathematical Society Summer School**, Galatasaray University, Istanbul, Turkey. (Apr. 2006, p. 495)

*6–8 **Data Mining Training/Workshop**, Australian Graduate School of Management Lecture Theatre, Sydney, Australia.

Objective: The training and workshop are aimed at bringing together researchers and practitioners to learn about data mining technology from practical and theoretical experts. Expect to exchange ideas

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 experiences focused on the practice of both data mining and the real world analysis of complex data.

Workshop: Will be similar in format to our Madrid 2005 Workshop, <http://www.salforddatamining.com/program-madrid05.htm>, and San Diego, CA 2006 Conference, <http://www.salforddatamining.com/docs/schedule06.pdf>.

Contact: email: abaldwin@salford-systems.com for a registration form. Put Sydney Registration Form Request in the subject line. <http://www.salforddatamining.com>.

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

8-10 **Lehigh University Geometry/Topology Conference**, Lehigh University, Bethlehem, Pennsylvania. (Apr. 2006, p. 495)

9-11 **Logic and Mathematics 2006**, University of Illinois at Urbana-Champaign, Urbana, Illinois. (May 2006, p. 607)

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

10-16 **32nd International Conference "Applications of Mathematics in Engineering and Economics" (AMEE'06)**, Town of Sozopol, Bulgaria. (Apr. 2006, p. 495)

10-16 **Discontinuous change in behavior issues in partial differential equations**, Anogia Academic Village, Crete, Greece. (May 2006, p. 607)

11-14 **ICMSE 2006- International Conference in Mathematics, Sciences and Science Education**, University of Aveiro, Aveiro, Portugal. (Jan. 2006, p. 68)

* 12-14 **Approximation Algorithms**, Centre de recherches mathématiques, Université de Montréal, Montréal, Québec, Canada.

Organizers: Joseph Cheriyan (Waterloo) and Michel Goemans (MIT). **Workshop:** Most combinatorial optimization problems are NP-hard, that is, they cannot be solved in polynomial time unless P is equal to NP. As a result, for over three decades, researchers have attempted to derive approximation algorithms that provide in polynomial time suboptimal solutions with a guarantee/proof of their degree of suboptimality. The workshop will include lectures on the latest developments in the field of approximation algorithms, on both the approximability and the inapproximability sides.

Information: http://www.crm.umontreal.ca/Approximation06/index_e.html.

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

12-15 (REVISED) **Conference on 3-manifold topology in honour of Peter Shalen's 60th birthday**, Centre de Recherches Mathématiques, Montreal, Canada. (Feb. 2006, p. 286; May 2006, p. 608)

12-16 **EMS mathematical weekend in Pays de Loire**, Université de Nantes, Nantes, France. (Feb. 2006, p. 286)

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

12-16 **Permutation Patterns 2006**, Reykjavik University, Reykjavik, Iceland. (May 2006, p. 608)

12-16 **The Twenty-Second Annual Mathematical Problems in Industry Workshop**, Needham, Massachusetts. (Dec. 2005, p. 1381)

12-17 **Boltzmann Equation and Fluidodynamic Limits**, SISSA-ISAS, Trieste, Italy. (May 2006, p. 608)

12-17 **Steklov Mathematical Institute International Workshop on Mathematical Hydrodynamics**, Steklov Mathematical Institute, Moscow, Russia. (Mar. 2006, p. 377)

13-15 **2nd IMT-GT Conference on Mathematics, Statistics and Their Applications**, Gurney Hotel, Penang, Malaysia. (Apr. 2006,

p. 495)

13-17 **CBMS Conference on Cluster Algebras and Applications**, Raleigh, North Carolina. (Apr. 2006, p. 495)

13-17 **The Fifteenth International Workshop on Matrices and Statistics**, Uppsala, Sweden. (Jan. 2006, p. 68)

15-22 **Operator Theory, Analysis and Mathematical Physics: OTAMP2006**, Lund Institute of Technology, Lund, Sweden. (Apr. 2006, p. 496)

16-18 **NKS 2006 Wolfram Science Conference**, The Fairmont, Washington, DC. (Mar. 2006, p. 378)

16-20 **CAIMS-MITACS Joint Annual Conference**, York University, Toronto, Ontario, Canada. (Jan. 2006, p. 68)

* 19-20 **DIMACS Tutorial on Phylogenetic Trees and Rapidly Evolving Pathogens**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey.

Organizer: Katherine St. John, The City University of New York, stjohn@lehman.cuny.edu.

Local Arrangements: Workshop Coordinator, DIMACS Center, workshop@dimacs.rutgers.edu, 732-445-5928.

Short Description: Phylogenies, or evolutionary histories, are used throughout biology. In addition to the study of taxonomy, they are used widely to do such things as design drugs, align biomolecular sequences, and to understand rapidly evolving diseases, such as HIV. This tutorial is an introduction to computational phylogenetics and its applications to real-world problems. The topics will include standard phylogenetic reconstruction methods and concepts, as well as advanced topics needed to understand the application of phylogeny to rapidly evolving diseases.

Information: <http://dimacs.rutgers.edu/Workshops/PhyloTutorial/>.

19-23 **Formal Power Series and Algebraic Combinatorics 2006**, Catamaran Resort Hotel, Pacific Beach, San Diego, California. (Jan. 2006, p. 69)

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

19-23 **Harmonic Analysis and Related Problems 2006 (HARP 2006)**, Zaros, Crete, Greece. (Mar. 2006, p. 378)

19-23 **La Pietra Week in Probability, Firenze 2006: Stochastic Processes in Mathematical Physics**, Villa La Pietra, Firenze, Italy. (Apr. 2006, p. 496)

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. (Dec. 2005, p. 1382)

19-24 **Hodge Theory**, Venice International University, Venice-Island of San Servolo, Italy. (Feb. 2006, p. 286)

19-July 7 **Computational Number Theory and Applications to Cryptography**, University of Wyoming, Laramie, Wyoming. (Feb. 2006, p. 286)

19-30 **SMS 2006/NATO Advanced Study Institute-Combinatorial Optimization: Methods and Applications**, Université de Montréal, Montréal (QC) Canada. (Jan. 2006, p. 69)

* 20-October 26 **Mathematical Finance 2006 (Cycle of Advanced Courses)**, ISEG-Technical University of Lisbon, Lisbon, Portugal.

Program: C1. June 20, 21, 22-Risk Measures (M. Frittelli, U. di Firenze, Italy); C2. June 29, 30, July 1-Math. Tools for Credit Risk (M. Jeanblanc, U. d'Evry, France); C3. September 25, 26, 28, 29-Interest Rate Theory (T. Bjork, Stockholm School of Economics, Sweden); C4. October 23, 24, 25-Portfolio Optimization (W. Runggaldier, U. Degli Studi di Padova, Italy).

Information: Registration is possible for any one of the courses (C1, C2, C3, C4) or any combination. <http://pascal.iseg.utl.pt/~matfin/MathFin06-cycle.htm>.

20–22 **International Conference on Mathematical, Statistical, and Computer Methods in HIV/AIDS**, Regal Kowloon Hotel, East Kowloon, Hong Kong. (Feb. 2006, p. 286)

* 20–24 **Third Advanced Course in Operator Theory and Complex Analysis**, Seville, Spain.

Invited Speakers: Aharon Atzmon, Tel Aviv University; John B. Conway, University of Tennessee; Jean Esterle, Université Bordeaux 1; Stanislav Shkarin, King's College London; Gilles Cassier, Université Lyon 1; Joe Diestel, Kent State University; Jonathan R. Partington, University of Leeds.

Organizers: Manuel Cepedello Boiso, Alfonso Montes Rodriguez, Carmen Romero Moreno.

Topics: Courses and talks will cover topics on Complex Analysis, Operator Theory and related areas of Functional Analysis. Contributed talks related to these topics will also take place: participants who wish to deliver a short talk please submit an abstract to the organizers or any of the collaborators.

Funding: Some funding might be available for undergraduate and Ph.D. students in order to cover registration fee and closure dinner. Remaining fundings will be assigned to cover travel and lodging expenses. Further application info will be available shortly.

Information: <http://www.us.es/ceacyto3>.

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

21–24 **“Views on ODEs” Conference in Honor of Arrigo Cellina and James A. Yorke on the Occasion of their 65th Birthdays**, Aveiro University, Aveiro, Portugal. (May 2006, p. 608)

* 21–24 **Workshop on Algorithms for Modern Massive Data Sets**, Stanford University, Stanford, California.

Organizers: Gene Golub, Michael Mahoney, Petros Drineas, Lek-Heng Lim.

Information: Topics, speakers, registration, and other information: <http://mmds.stanford.edu>.

Contact: For further information regarding the workshop, please email Lek-Heng Lim at lekheng@cs.stanford.edu.

22–24 **2nd International Workshop on Graph-Theoretic Concepts in Computer Science**, Bergen, Norway. (Dec. 2005, p. 1382)

23–26 **2006 International Conference on Topology and its Applications**, Aegion, Greece. (Jan. 2006, p. 69)

25–28 **SIAM Conference on Discrete Mathematics**, University of Victoria, Victoria, British Columbia, Canada. (Dec. 2005, p. 1382)

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)

26–29 **Special Session on “Coding theory and cryptography”**, Varna, Bulgaria. (May 2006, p. 608)

26–30 **Algebraic Combinatorics: An International Conference in honor of Eiichi Bannai's 60th birthday**, Sendai International Center, Sendai, Japan. (Dec. 2005, p. 1382)

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

* 26–30 **Conference on Differential and Difference Equations and Applications 2006**, Rajecke Teplice, (close to Zilina), Slovak Republic.

Organizer: Faculty of Science, University of Zilina.

Topics: Ordinary Differential Equations (ODE), Functional Differential Equations (FDE), Difference Equations (DE), Partial Differential

Equations (PDE), Numerical Methods in Differential and Difference Equations (NM).

Invited Speakers: Igor Bock (Slovak Republic), Alexander Boichuk (Slovak Republic), Theodore A. Burton (USA), Jan Cermak (Czech Republic), Zuzana Dosla (Czech Republic), Ondrej Dosly (Czech Republic), Jozef Dzurina (Slovak Republic), Istvan Gyori (Hungary), Anatolij Ivanov (USA), Jaroslav Jaros (Slovak Republic), Denys Khusainov (Ukraine), Tibor Krisztin (Hungary), Jaroslav Kurzweil (Czech Republic), Takasi Kusano (Japan), Mauro Marini (Italy), Frantisek Neuman (Czech Republic), Mihaly Pituk (Hungary), Irena Rachunkova (Czech Republic), Ewa Schmeidel (Poland), Stefan Schwabik (Czech Republic), Svatoslav Stanek (Czech Republic), Ioannis P. Stavroulakis (Greece), Tomoyuki Tanigawa (Japan), Milan Tvrdy (Czech Republic).

Information: Department of Mathematical Analysis and Applied Mathematics, Faculty of Science, University of Zilina, Hurbanova 15, 01026 Zilina, Slovak Republic; email: cddea@fpv.utc.sk; <http://www.fpv.utc.sk/cddea/>.

26–July 8 **Advanced Course on Limit Cycles of Differential Equations**, Centre de Recerca Matemàtica, Barcelona, Spain. (May 2006, p. 608)

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

28–30 **Workshop From Lie Algebras to Quantum Groups**, Universidade de Coimbra, Portugal. (May 2006, p. 608)

29–July 4 **21st International Conference on Operator Theory**, West University, Timisoara, Romania. (Feb. 2006, p. 286)

30–July 5 **Computability in Europe 2006 (CiE 2006): Logical Approaches to Computational Barriers**, Swansea, Wales. (Mar. 2006, p. 378)

July 2006

* 2–6 **Design Theory of Alex Rosa, a meeting in celebration of Alex Rosa's 70th Birthday**, Bratislava, Slovakia.

Organizers: IAS, University of Washington, Tacoma; Mathematical Institute of the Slovak Academy of Sciences; Department of Applied Informatics and Information Technology; Slovak University of Technology.

Speakers: Charles Colbourn, Jeff Dinitz, Pavol Hell, Curt Lindner, Spyros Magliveras, Eric Mendelsohn, Rudolf Mathon, Jaroslav Nesetril, Vojtech Rodl, Chris Rodger, Gert Sabidussi, Rick Wilson.

Information: Please send an email to horak@u.washington.edu to be included in the mailing list of the conference; <http://www.d.umn.edu/~dfroncek/alex/index.htm>.

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)

3–7 **Iwasawa 2006 Congress**, Université de Limoges, Limoges, France. (May 2006, p. 608)

* 3–8 **Graph Algebras Workshop 2006**, Universidad de Málaga, Spain.

Organizers: Gonzalo Aranda (Universidad Complutense de Madrid); Francesc Perera (Universitat Autònoma de Barcelona); Mercedes Siles (Universidad de Málaga).

Plenary Speakers: Gene Abrams (University of Colorado at Colorado Springs); Pere Ara (Universitat Autònoma de Barcelona, Spain); Enrique Pardo (Universidad de Cádiz, Spain); Iain Raeburn (University of Newcastle, Australia); Mark Tomforde (College of William and Mary, Williamsburg, VA).

Program: A one-week workshop aimed at various aspects of graph C*-algebras and the recently introduced purely algebraic class of

Leavitt path algebras. Experts from the C^* -algebra and the pure algebra scenes will deliver a series of lectures (introductory as well as more advanced) in order to foster interaction. Thus the meeting is geared to both graduate students and specialists.

Information/Registration: <http://agt.cie.uma.es/~wga06/>.

3–22 Summer School & Conference: Valuation Theory and Integral Closures in Commutative Algebra, University of Ottawa, Ottawa, Ontario, Canada. (Apr. 2006, p. 496)

5–8 Numerical Analysis and Approximation Theory, NAAT 2006, Department of Applied Mathematics of Faculty of Mathematics and Computer Science, Babes-Bolyai University, Cluj-Napoca, Romania. (Mar. 2006, p. 378)

* **6–9 21st Summer Conference on Topology and its Applications**, Georgia Southern University, Statesboro, GA.

Description: The conference will be organized around 7 keynote speakers, 2 workshops, and 6 special sessions. Keynote speakers: S. Dolecki (U. of Bourgogne, France), M. Escardo (U. of Birmingham, UK), N. Hindman (Howard U.), M. Hrusak (UNAM, Mexico), K. Kuperberg (Auburn U.), J. Vaughan (U. of N. Carolina, Greensboro), W. Tholen (York U., Canada). Special Sessions: Topology and Set Theory (O. Pavlov, U. N. Carolina), Topology in Dynamical Systems (R. Devaney, Boston U.), Topological Groups and Semi-groups (M. Megrelishvili (Bar-Ilan U.), Asymmetric Topology (M. Mislove, Tulane U.), Categorical Topology (M. Sioen, Vrije U., Brussels), Fractals and Tilings (K.-S. Lau, Chinese U. of Hong Kong). Workshops: Physics and Domain Theory (K. Martin, Naval Research Lab.), Selection Principles in Topology (M. Scheepers, Boise State U.).

Support: Support from the National Science Foundation will allow about 30 travel grants of up to \$450. Students, young researchers, female mathematicians, and members of underrepresented groups are encouraged to apply. Send vita, letter of application (including contact info for one reference) to Frederic Mynard at email: mynard@georgiasouthern.edu.

Information: <http://www.cs.georgiasouthern.edu/faculty/mynardf/STC06.htm>.

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

9–15 DIMACS Reconnect Conference 2006: Reconnecting Teaching Faculty to the Mathematical Sciences Research Enterprise, Morgan State University, Baltimore, Maryland. (Jan. 2006, p. 69)

9–15 Which Mathematics for Biology?, Anogia Academic Village, Crete, Greece. (May 2006, p. 608)

10–12 SIAM Conference on Analysis of Partial Differential Equations, Boston Park Plaza Hotel and Towers, Boston, Massachusetts. (Dec. 2005, p. 1382)

10–13 Markov Processes and Related Topics, University of Wisconsin-Madison, Madison, Wisconsin. (Apr. 2006, p. 496)

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)

10–15 6th Czech-Slovak International Symposium on Combinatorics, Graph Theory, Algorithms and Applications: Honoring the 60th Birthday of J. Nešetřil, Prague, Czech Republic. (May 2006, p. 608)

10–15 Conference on Recent Developments in the Arithmetic of Shimura Varieties and Arakelov Geometry (An EMS Marie Curie Conference, supported by the European Commission), Centre de Recerca Matemàtica, Bellaterra, Spain. (May 2006, p. 609)

10–15 Workshop on Stochastic Eigen-Analysis (Random Matrices) and its Applications, MIT, Cambridge, Massachusetts.

(Apr. 2006, p. 496)

11–12 DIMACS Workshop on Machine Learning Techniques in Bioinformatics, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey. (May 2006, p. 609)

12–15 Geometric Analysis and Applications, University of Illinois, Urbana-Champaign, Illinois. (Apr. 2006, p. 496)

12–16 Anomalous Transport: Experimental Results and Theoretical Challenges, Physikzentrum Bad Honnef near Bonn, Germany. (May 2006, p. 609)

13–14 Conference on Geometric Group Theory, Centre de Recherches Mathématiques, Montreal, Canada. (May 2006, p. 609)

14–31 The Ninth International Diffiety School, Santo Stefano del Sole, Avellino, Italy. (Apr. 2006, p. 496)

16–21 Recent Advances in Nonlinear Partial Differential Equations: A celebration of Norman Dancer's 60th birthday, University of New England, Armidale, NSW, Australia. (May 2006, p. 609)

16–22 Horizon of Combinatorics, Lake Balaton, Hungary. (May 2006, p. 609)

17–21 Classification theory for abstract elementary classes, AIM Research Conference Center, Palo Alto, California. (Feb. 2006, p. 286)

17–21 Workshop on Singularities in PDE and the Calculus of Variations, Centre de Recherches Mathématiques, Montreal, Canada. (May 2006, p. 609)

17–August 4 International Conference and Instructional Workshop on Discrete Groups, The Morningside Center of Mathematics, Beijing, People's Republic of China. (Dec. 2005, p. 1382)

17–August 11 Clay Mathematics Institute 2006 Summer School: Arithmetic Geometry, Mathematisches Institut, Georg-August-Universität, Göttingen, Germany. (Feb. 2006, p. 287)

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

18–21 International Conference on Interdisciplinary Social Sciences, University of the Aegean, Island of Rhodes, Greece. (Mar. 2006, p. 379)

18–21 Thirteenth Workshop on Logic, Language, Information and Computation (WoLLIC'2006), Stanford, California. (Mar. 2006, p. 379)

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)

24–28 2nd SIPTA School on Imprecise Probabilities, Rey Juan Carlos University, Madrid, Spain. (Feb. 2006, p. 287)

24–28 Brazilian Operator Algebras Conference, Florianopolis, Brazil. (Feb. 2006, p. 287)

24–28 New Trends in Viscosity Solutions and Nonlinear PDE, Instituto Superior Tecnico, Lisbon, Portugal. (Mar. 2006, p. 379)

24–28 The Eleventh International Conference on Difference Equations and Applications, Kyoto University, Kyoto, Japan. (Jan. 2006, p. 69)

24–August 4 Pan-American Advanced Studies Institute (PASI): Analysis and Probability in Quantum Physics, San Joaquin campus, Pontificia Catolica de Chile, Santiago, Chile. (Feb. 2006, p. 287)

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

25–27 **International Conference on Mathematics**, Institute of Mathematics, National University of Mongolia, Ulaanbaatar, Mongolia. (Feb. 2006, p. 287)

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

30–August 4 **Institute of Mathematical Statistics (IMS) Annual Meeting and X Brazilian School of Probability (XEBP)**, Instituto Nacional de Matemática Pura e Aplicada (IMPA), Rio de Janeiro, Brazil. (Mar. 2006, p. 379)

* 30–August 5 **Harmonic Analysis and Applications and 8th Encuentro Nacional de Analistas Alberto P. Calderon**, Merlo, San Luis, Argentina.

Information: <http://mate.dm.uba.ar/~hafg/haa.htm>.

30–August 5 **International Conference on Radicals (ICOR-2006)**, Kiev National Taras Shevchenko University, Kiev, Ukraine. (Dec. 2005, p. 1383)

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. (Dec. 2005, p. 1383)

31–August 4 **Numerical invariants of singularities and higher-dimensional algebraic varieties**, AIM Research Conference Center, Palo Alto, California. (Jan. 2006, p. 70)

August 2006

1–5 **Ninth Meeting of New Researchers in Statistics and Probability**, University of Washington, Seattle, Washington. (Mar. 2006, p. 379)

* 1–September 30 **Dynamical Chaos and Non-equilibrium Statistical Mechanics: From Rigorous Results to Applications in Nano-systems**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Organizing Committee: Leonid Bunimovich (Georgia Institute of Technology), Giulio Casati (University Insubria, Italy, and National University of Singapore), Lock Yue Chew (Nanyang Technological University), Baowen Li (National University of Singapore), George Zaslavsky (New York University).

Collaborative Research: During this period, local and overseas researchers will interact and collaborate in research on various topics of the field.

Workshop: The purpose is to bring together researchers worldwide to discuss the most recent developments in anomalous energy (heat) transport in low dimensional systems, synchronization of chaotic systems and applications to communication of information. It also serves as a forum to promote regional as well as international scientific exchange and collaboration.

Information and registration: <http://www.ims.nus.edu.sg/Programs/chaos/>; email: imssec@nus.edu.sg. For enquiries on scientific aspects of the program, please email Baowen Li at phylbw@nus.edu.sg.

2–4 **31st Sapporo Symposium on Partial Differential Equations**, Department of Mathematics, Hokkaido University, Sapporo, Japan. (Jan. 2006, p. 70)

* 2–4 **DIMACS Workshop on Computational Tumor Modeling**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey.

Organizers: David Axelrod, Rutgers University, Axelrod@nel-exchange.rutgers.edu; Thomas S. Deisboeck, Harvard Medical School, deisboec@helix.mgh.harvard.edu.

Local Arrangements: Workshop Coordinator, DIMACS Center, workshop@dimacs.rutgers.edu, 732-445-5928.

Information: <http://dimacs.rutgers.edu/Workshops/TumorModeling/>.

Short Description: This workshop will present a variety of relevant computational tumor models and algorithms, covering several scales of interest by starting from the genetic instability and the functional genomics level up to tumor cell invasion and the angiogenesis level. Work on tumor cell signaling and information processing, multicellular pattern formation and scaling laws will be discussed as well. Finally, the workshop will also focus on several key challenges related to cancer modeling, such as biomedical data acquisition, access and quality, as well as the pros and cons of combining different (e.g., discrete and continuous) modeling approaches.

* 5–11 **Workshop on Symplectic Field Theory**, Universitaet Leipzig, Germany.

Information: Workshop on Symplectic Field Theory Lecture Series by Y. Eliashberg with contributions by F. Bourgeois et al.

Organizers: Y. Eliashberg, K. Cieliebak, M. Schwarz.

Preparatory Precourse: August 5–6; main workshop August 7–11.

Program: <http://www.math.uni-leipzig.de/ws/orhttp://math.stanford.edu/~lipshitz/SFT.html>.

7–11 **Effective Randomness**, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 609)

7–11 **Partial Differential Equations on Noncompact and Singular Manifolds**, University of Potsdam, Potsdam, Germany. (Feb. 2006, p. 287)

9–12 **The Third International Conference on Neural, Parallel & Scientific Computations**, Morehouse College, Atlanta, Georgia. (Mar. 2006, p. 379)

12–15 **Twenty-first Annual IEEE Symposium on Logic in Computer Science (LICS 2006)**, Seattle, Washington. (Mar. 2006, p. 380)

13–19 **Workshop on Triangulated Categories**, University of Leeds, United Kingdom. (Mar. 2006, p. 380)

14–16 **Network Design: Optimization and Algorithmic Game Theory**, Centre de Recherches Mathématiques, Montreal, Canada. (May 2006, p. 609)

14–18 **International Conference on Spectral Theory and Global Analysis**, Carl von Ossietzky University, Oldenburg, Germany. (Feb. 2006, p. 287)

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

* 15–18 **Communicating Mathematics in the Digital Era**, University of Aveiro, Aveiro, Portugal.

Main Topics: The main topics of CMDE2006 include, but are not restricted to: Data Mining, Clustering and Recovery; Digital Libraries and Archiving Networks; E-Mathematics Resources; Electronic Publishing; Free and Open Source Initiatives; Information Representation and Visualization; International Copyrights and Author's Rights; Math-networking and Electronic Communication; Mathematics E-Learning; Metadata Models and Standards; Multimedia Tools; Retrodigitisation; Web Searching.

Information: Can be found in the Webpage of the conference at <http://www.cmde2006.org>.

16–19 **First announcement: Satellite Conference on Algebraic Geometry**, Segovia, Spain. (Jan. 2006, p. 70)

16–19 **Satellite conference on Algebraic Geometry**, Segovia Campus of the Universidad de Valladolid, Segovia, Spain. (Apr. 2006, p. 497)

16–19 **Trends and Challenges in the Calculus of Variations and its Applications**, Toledo, Spain. (Jan. 2006, p. 70)

16–19 VII Workshop on Symplectic and Contact Topology, Satellite Conference of the International Congress of Mathematicians (ICM2006), Universidad Carlos III (Campus at Getafe), Madrid, Spain. (Apr. 2006, p. 497)

* 17–19 The XIV Conference on Applied and Industrial Mathematics, Satellite Conference of ICM2006, Chisinau, Moldova.

Organizers: The Romanian Society of Applied and Industrial Mathematics (ROMAI), Mathematical Society of the Republic of Moldova, Moldova State University, Tiraspol State University, Institute of Mathematics and Computer Science of the Academy of Sciences of Moldova and the Center for Education and Research in Mathematics and Computer Science at Moldova State University (CRDF/MRDA).

Description: The Fourteenth Edition of the Conference on Applied and Industrial Mathematics (CAIM XIV) is dedicated to the 60th anniversary of the foundation of the Faculty of Mathematics and Computer Science of Moldova State University. Conference Sections: 1. Algebra, mathematical logic, topology; 2. Ordinary differential equations and finite dimensional dynamical systems; 3. Functional analysis and partial differential equations; 4. Analytical and numerical methods and applications. Industrial mathematics; 5. Theoretical and applied computer sciences; 6. Education.

Deadline for Abstracts: June 15, 2006.

Information: <http://www.usm.md/math/CAIM/>; email: mathconf@mail.md.

21–25 Phase Transitions in Physics, Computer Science, Combinatorics and Probability Theory, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 610)

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

* 28–September 4 Large-Scale Random Graph Methods for Modeling Mesoscopic Behavior in Biological and Physical Systems, Alfred Renyi Institute of Mathematics, Budapest, Hungary.

Workshop Goals: The aim of the workshop is to expose the participants to the newest methods available for the description and analysis of large-scale, complex structures using methods of combinatorics and graph theory, in combination with nonlinear, adaptive systems theory, and statistical physics. The Workshop will cover the following areas: overview of the present state of research on large-scale random graphs in various fields of science; identification the problems in computation theory, brain science and statistical physics that require the development of new random graph methods; detailed discussion of the existing methods and outlining potential new theories to address those problems; application of combinatorial tools to give heuristics and, whenever possible, solve hard problems in various fields; outline avenues of practical application of the novel methods, especially in models of biological and artificial neural networks and brains, physical systems, and also complex networks relevant to communication and information theory.

Information: <http://cnd.memphis.edu/~nsfworkshop06/>.

30–September 1 Recent Trends in Constructive Approximation Theory. Satellite Conference of ICM06, Universidad Carlos III de Madrid, Legans, Spain. (May 2006, p. 610)

31–September 2 Geometry and Topology of Low Dimensional Manifolds, Burgo de Osma, Spain. (Apr. 2006, p. 497)

31–September 5 Advanced Course on Combinatorial and Computational Geometry: Trends and topics for the future, Centre de Recerca Matemàtica, Barcelona, Spain. (May 2006, p. 610)

September 2006

1–4 Conference on Mathematical Neuroscience, Sant Julià de Lòira (Andorra), Madrid, Spain. (May 2006, p. 610)

1–4 Topics in Mathematical Analysis and Graph Theory, University of Belgrade, Faculty of Electrical Engineering, Department of Applied Mathematics, Serbia and Montenegro. (Dec. 2005, p. 1383)

1–4 SCRA 2006-FIM XIII, Thirteenth International Conference of Forum for Interdisciplinary Mathematics, New University of Lisbon-Tomar Polytechnic Institute, Lisbon, Portugal. (Apr. 2006, p. 497)

1–5 International Summer School and Workshop of Operator Algebras, Operator Theory and its Applications 2006, Instituto Superior Técnico, Universidade Técnica de Lisboa, Lisbon, Portugal. (Apr. 2006, p. 497)

4–6 Optimal Discrete Structures and Algorithms (ODSA 2006), University of Rostock, Rostock, Germany. (Apr. 2006, p. 497)

4–8 Barcelona Analysis Conference, University of Barcelona, Barcelona, Spain. (Jan. 2006, p. 70)

* 4–8 Geometry Conference in Honor of Nigel Hitchin, Consejo Superior de Investigaciones Científicas, Madrid, Spain.

Description: This meeting is in honour of Professor Nigel Hitchin (University of Oxford) on the occasion of his 60th birthday. This is a satellite conference of the ICM 2006 to take place in Madrid in August 2006. The meeting is devoted to the many research topics covered by Nigel Hitchin.

Organizing Committee: L. Álvarez-Cónsul (CSIC, Madrid), O. García-Prada (CSIC, Madrid, Chairman), F. Kirwan (University of Oxford), H. Pedersen (University of Southern Denmark, Odense), Y.-S. Poon (University of California at Riverside), S. Salamon (Politecnico di Torino).

Deadline to Register: June 15, 2006.

Information: For a list of speakers and on-line registration, please visit the website <http://www.mat.csic.es/webpages/conf/hitchin2006/>.

* 4–8 International Conference on Arithmetic Algebraic Geometry, El Escorial, Madrid, Spain.

Topics: This Satellite Conference of ICM2006 is organized by the European Research Network “Arithmetic Algebraic Geometry”, and the main topics will be those covered by the network: Arithmetic of varieties over local fields, Arithmetic of varieties over global fields, Automorphic forms and the Langlands Program.

Coordinator of the Organizing Committee: Adolfo Quiros (U. Autonoma de Madrid), email: aag2006@uam.es.

Invited Speakers: Laurent Berger (IHES), José Ignacio Burgos-Gil (U. Barcelona), Matthew Emerton (Northwestern U.), Michael Harris (U. Paris VII, tentative), Chandrasekhar Khare (U. Utah, tentative), Philippe Michel (U. Montpellier), Takeshi Saito (Tokyo U.), Emmanuel Ullmo (U. Paris XI), Yakov Varshavsky (Hebrew University of Jerusalem, tentative), Annette Werner (U. Stuttgart).

Information, Registration and Grants: <http://www.uam.es/otros/aag2006/>.

4–8 International Seminar on Applied Geometry in Andalusia, University of Granada, Granada, Spain. (May 2006, p. 610)

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

4–8 Stochastic Analysis in Mathematical Physics, CI Univ. Lisbon, Lisbon, Portugal. (Mar. 2006, p.380)

4–9 International Conference on Applied Analysis and Differential Equations, University “Al.I.Cuza”, Faculty of Mathematics, Iasi, Romania. (May 2006, p.610)

4–29 The Painlevé Equations and Monodromy Problems, Issac Newton Institute for Mathematical Sciences, Cambridge, England. (Jan. 2006, p. 70)

* 7–9 Modern Mathematical Methods in Science and Technology, Hotel Agnanti, Island of Paros, Greece.

Information: <http://applied.math.uoa.gr/m3st.html>.

* 7–10 Categorification in Algebra and Topology, Uppsala University, Uppsala, Sweden.

Invited Speakers: Dror Bar-Natan; Anna Beliakova; Jonathan Brundan; Ian Grojnowski; Bernard Leclerc; Jacob Rasmussen; Raphaël Rouquier; Lev Rozansky (to be confirmed); Vladimir Turaev; Wolfgang Soergel; Catharina Stroppel.

Organizers: Volodymyr Mazorchuk and Oleg Viro.

Information: <http://www.math.uu.se/cat2006/>.

Inquiries: cat2006@math.uu.se.

Registration Deadline: July 31, 2006.

* 8–10 **The Fourth International Conference on Origami in Science, Mathematics, and Education (4OSME)**, California Institute of Technology, Pasadena, California.

Purpose: To gather those interested and showcase new results in mathematical methods, scientific applications, and educational uses of paper folding.

Deadline: For presentation abstracts: April 30, 2006.

Organizers: Robert J. Lang, Thomas C. Hull, Ryda D. Rose.

Speakers: Erik Demaine, MIT.

Information: <http://www.langorigami.com/science/4osme/4osme.php4>.

* 8–10 **International Conference on Modules and Comodules Dedicated to Robert Wisbauer on the Occasion of His 65th Birthday**, University of Porto, Portugal.

Conference: Dedicated to Robert Wisbauer at the occasion of his 65th birthday. It will bring together leading specialists in the theory of rings and modules, corings and comodules as well as in the theory of Quantum groups and its derivatives.

Main Speakers: Helena Albuquerque (Coimbra), Tomasz Brzezinski (Swansea), José Gómez Torrecillas (Granada), Pedro Guil Asensio (Murcia), Claudia Menini (Ferrara), Alexandre V. Mikhalev (Moscow), Mike Prest (Manchester), Ivan Shestakov (São Paulo), Patrick Smith (Glasgow).

Information: The deadline for submitting an abstract is the 31st of May 2006. The conference fee for non-students is 75 Euros and 50 Euros for students. Unfortunately we cannot offer any financial support. For more details, including the Conference Program please refer to <http://www.fc.up.pt/mp/clomp/ModulesAndComodules/> or send an email to ModulesAndComodules@fc.up.pt.

8–12 **1st Dolomites Workshop on Constructive Approximation and Applications: Dedicated to Walter Gautschi for his 50 years of professional activity**, Alba di Canazei, Trento, Italy. (Apr. 2006, p. 497)

9–12 **SIAM Conference on Nonlinear Waves and Coherent Structures**, University of Washington, Seattle, Washington. (Jan. 2006, p. 70)

11–15 **Complexity of Mappings in CR Geometry**, AIM Research Conference Center, Palo Alto, California. (Apr. 2006, p. 497)

11–15 **Groups of Diffeomorphisms 2006**, University of Tokyo, Tokyo, Japan. (Jan. 2006, p. 70)

11–16 **XV Fall Workshop on Geometry and Physics**, Puerto de la Cruz (Tenerife, Canary Islands), Spain. (May 2006, p. 610)

12–17 **International Conference on Differential Equations, Dedicated to the 100th Anniversary of Ya. B. Lopatynsky**, Ivan Franko National University of Lviv, Lviv, Ukraine. (Mar. 2006, p. 380)

* 15–17 **Asymptotic Analysis in Stochastic Processes, Nonparametric Estimation, and Related Problems**, Wayne State University, Detroit, Michigan.

Description: This is one of the IMA Participating Institution Conferences. It is devoted to stochastic asymptotic analysis.

Main Speakers: Eugene B. Dynkin, Mark Friedlin, Georgii Golubev, Ildar A. Ibragimov, Rafail Z. Khasminskii, Nicolai Krylov, Harold J. Kushner, Oleg Lepsky, Robert Liptser, Stanislav Molchanov, Michael Nussbaum, George Papanicolaou, Boris Rozovskii, Anatoli Skorokhod.

Local Organizers: Pao-Liu Chow, Boris Mordukhovich, George Yin.

Conference Secretary: Barbara Malicke (email: barb@math.wayne.edu).

Information: <http://www.math.wayne.edu/~conf/>.

15–19 **International Conference of Numerical Analysis and Applied Mathematics 2006 (ICNAAM 2006)**, Hotel Belvedere Imperial, Hersonnisos, Crete, Greece. (Apr. 2006, p. 497)

18–20 **The 10th Workshop on Elliptic Curve Cryptography (ECC 2006)**, Fields Institute, Toronto, Canada. (May 2006, p. 610)

18–22 **Hybrid Methods and Branching Rules in Combinatorial Optimization**, Centre de Recherches Mathématiques, Montreal, Canada. (May 2006, p. 610)

18–22 **Model Theory of Metric Structures**, AIM Research Conference Center, Palo Alto, CA. (May 2006, p. 610)

* 19–23 **New Techniques in Hopf Algebras and Graded Ring Theory**, Vrije Universiteit Brussel, Brussels, Belgium.

Organizing Committee: S. Caenepeel (Brussels), F. Van Oystaeyen (Antwerp).

Invited Speakers: S. Montgomery (Los Angeles), H.-J. Schneider (Munich), Y. Besspalov (Kiev), G. Böhm (Budapest), T. Brzezinski (Swansea at Wales), A. Marcus (Cluj-Napoca), C. Nastasescu (Bucharest), J. Gómez Torrecillas (Granada), A. Stolin (Göteborg), L. Kadison (Göteborg), A. Van Daele (Louvain), V. Turaev (to be confirmed).

Information: Preregistration is possible by sending an email to scaenepe@vub.ac.be; please mention if you plan to present a lecture of 30 minutes. The second announcement, with registration form and information on hotel accommodation will be sent around June 15. More information will appear on <http://homepages.vub.ac.be/~scaenepe>.

22–29 **Conference on Geometry and Dynamics of Groups and Spaces In Memory of Alexander Reznikov**, Max-Planck-Institut für Mathematik, Bonn, Germany. (May 2006, p. 610)

25–26 **Conference on Mathematics and its Applications**, The University of the West Indies, St. Augustine, Trinidad. (Apr. 2006, p. 498)

* 25–29 **50th Annual Meeting of the Australian Mathematical Society**, Macquarie University, Sydney, New South Wales, Australia.

Plenary Speakers: Pascal Auscher (Université de Paris-Sud), Robert Bartnik (Monash University), Michael Batanin (Macquarie University), Steven Evans (University of California, Berkeley), Peter Forrester (University of Melbourne), Andrew Hassell (Australian National University), Frank de Hoog (Commonwealth Scientific and Industrial Organization), Adrian Lewis (Cornell University), Ngaiming Mok (University of Hong Kong), Christopher Skinner (University of Michigan), Terence Tao (University of California, Los Angeles), Katrin Tent (Universität Bielefeld), Claire Voisin (Centre National de la Recherche Scientifique), Xu-Jia Wang (Australian National University).

Special Sessions: Algebraic Geometry, Category Theory, Combinatorics and Geometry, Differential Geometry, Functional Analysis, Future Impact of Applications on Mathematics, Geometry and Topology, Group Theory, Harmonic Analysis, Mathematical Physics, Number Theory, Partial Differential Equations, Probability and Statistics, Representation Theory, Variational Analysis and Optimization.

Information: For further details of the academic program, registration and accommodation, visit <http://www.maths.mq.edu.au/austms06/>.

* 25–29 **The Kadison-Singer Problem**, AIM Research Conference Center, Palo Alto, California.

Organizers: Pete Casazza, Richard Kadison, and David Larson.

Topics: This workshop, sponsored by AIM and the NSF, will be devoted to the Kadison-Singer Problem and its relationship to various areas of research in mathematics and engineering. The

hope is to resolve the problem, or more realistically, to share partial results and to map out paths that could lead to the solution.

Deadline: June 25, 2006.

Description: <http://aimath.org/ARCC/workshops/kadisonsinger.html>.

29–30 **16th Annual Kansas City Regional Mathematics Technology EXPO**, Rockhurst University, Kansas City, Missouri. (May 2006, p. 611)

*29–October 1 **Mathematical Finance 60th Birthday Conference in Honor of Dilip B. Madan**, University of Maryland at College Park, Maryland.

Information: <http://www.norbertwiener.umd.edu/Madan/>; email: madan-conference@math.umd.edu.

October 2006

2–6 **Quantum Cryptography and Computing Workshop**, Fields Institute, Toronto, Canada. (May 2006, p. 611)

4–6 **Second Announcement: International Conference on Multi-field Problems**, Universität Stuttgart, Stuttgart, Germany. (Apr. 2006, p. 498)

7–10 **PDE Approaches to Image Processing**, Mathematical Institute, University of Cologne, Cologne, Germany. (May 2006, p. 611)

9–13 **Short-term Cardiovascular-Respiratory Control Mechanisms**, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 611)

10–13 **Data Mining and Mathematical Programming**, Centre de Recherches Mathématiques, Montreal, Canada. (May 2006, p. 611)

16–20 **Subconvexity Bounds for L-functions**, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 611)

17–20 **Polyhedral Computation**, Centre de Recherches Mathématiques, Montreal, Canada. (May 2006, p. 611)

23–27 **Spectra of Families of Matrices Described by Graphs, Digraphs, and Sign Patterns**, AIM Research Conference Center, Palo Alto, California. (Apr. 2006, p. 498)

30–November 3 **Computational Challenges Arising In Algorithmic Number Theory and Cryptography**, Fields, Toronto, Canada. (May 2006, p. 612)

November 2006

1–5 **CCA 2006 Third International Conference on Computability and Complexity in Analysis**, University of Florida, Gainesville, Florida. (May 2006, p. 612)

*4–10 **Second International Conference on Finsler Geometry**, Cairo, Egypt.

Description: The 2006 Conference will focus particular (though not exclusive) attention on Geometries whose metric functions are symmetric polynomials.

In addition to the Scientific proceedings of the 2006 Conference, an extensive cultural program will be provided for participants. Amongst the excursions planned are guided visits to the Pyramid complexes of the Giza Plateau, Dashura, Medum and Saqqara, and the Museum of Egyptian Antiquities in Cairo, which houses incomparably the greatest collection of Egyptian Antiquities in the world. There will also be optional excursions to a number of ancient temples.

Information: email: vgladyshev@mail.ru or email: mpbw1879@yahoo.co.uk or <http://hypercomplex.xpsweb.com>.

8–10 **Policy and Practice in Mathematics and Science Teaching and Learning in the Elementary Grades**, American University of Beirut, Beirut, Lebanon. (Apr. 2006, p. 498)

8–12 **Policy and Practice in Mathematics and Science Teaching and Learning in the Elementary Grades**, Beirut, Lebanon.

(Apr. 2006, p. 498)

27–December 1 **Cryptography: Underlying Mathematics, Provability and Foundations**, Fields Institute, Toronto, Canada. (May 2006, p. 612)

*27–December 22 **Geophysical Fluid Dynamics and Scalar Transport in the Tropics**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Details: This one-month program is a small effort to address the dearth of knowledge in tropical dynamics. Over two workshops interspersed by two mini-courses, an international gathering of scientists and applied mathematicians would review recent theoretical ideas on geophysical fluid dynamics (GFD) and scalar transport within the tropics, while incubating new ideas. The ideas discussed would help organize and elucidate information in datasets generated by weather or sea-state forecast and pollutant dispersion analysis in Southeast Asia. Thus, the program would also benefit participating applied meteorologists and oceanographers who handle datasets on a day-to-day basis.

Some or all of the listed topics below will be covered. The first two topics underpin the dynamics of numerical prediction of the tropical atmosphere and oceans; the last two topics lie at the fundamentals of chemical transport and dispersion: Hamiltonian and Lagrangian Approach to GFD, Simplified Models of Tropical Atmosphere, Turbulent Scalar Transport, Chaotic Tracer Advection. **Organizing Committee:** Peter Haynes (University of Cambridge), Tieh-Yong Koh (Nanyang Technological University), Hock Lim (National University of Singapore), Pavel Tkalic (National University of Singapore).

Information: For further information and registration, please visit <http://www.ims.nus.edu.sg/Programs/geophysical/index.htm>. email: imssec@nus.edu.sg. For enquiries on scientific aspects of the program, Tieh-Yong Koh email: kohty@ntu.edu.sg.

December 2006

*4–8 **Finding and Keeping Graduate Students in the Mathematical Sciences**, AIM Research Conference Center, Palo Alto, California.

Organizers: Amy Cohen-Corwin, Abbe Herzig, and David Mander-scheid.

Description: This workshop, sponsored by AIM and the NSF, will build on recent efforts by groups and individuals within the mathematics community to enhance the recruitment and retention of graduate students in the mathematical sciences, with a particular emphasis on women and underrepresented minorities. The Workshop will bring together leaders in graduate education in the mathematical sciences, giving them the opportunity to develop tangible plans to take these efforts to the next level at their institutions. The Workshop will provide a varied mix of principles for designing successful programs and examples of programs that have demonstrated success in responding to the issues, including models of funding and other logistical considerations. An emphasis will be placed on programs that benefit all students.

Deadline: June 15, 2006.

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

*12–16 **The Eleventh Asian Technology Conference in Mathematics**, Hong Kong Polytechnic University, Hong Kong, Hong Kong.

Information: “Advancing and Fostering Mathematical Sciences and Education through Technology”. The aim of this conference is to provide a forum for educators, researchers, teachers and experts in exchanging information regarding enhancing technology to enrich mathematics learning, teaching and research at all levels. English is the official language of the conference. For more information, please visit <http://atcminc.com>.

Last Date for Submission Abstracts: May 15, 2006.

Last Date for Submission of Full Papers: July 15, 2006.

13–15 **Workshop on “Geometry of vector distributions, differential equations, and variational problems”**, International School for Advanced Studies (SISSA), Trieste, Italy. (May 2006, p. 612)

15–17 **International Conference on Computer & Information Science (ICCIS’2005)**, Fort Panhala, Kolhapur, India. (Dec. 2004, p. 1379)

* 16–18 **The 5th International Conference on Differential Equations and Dynamical Systems**, University of Texas–Pan American, Edinburg, Texas.

Topics: All major research areas in differential equations and dynamical systems with focuses on analysis, modeling, computations and applications to sciences and engineering.

Main Speakers: R. P. Agarwal (Florida Inst. of Technology), G.-Q. Chen (Northwestern U.), L. Debnath (U. of Texas Pan–American), D. L. Russell (Virginia Tech. U.), W. van Saarloos (Inst.-Lorenz, Netherlands), S. Ahmad (U. Texas at San Antonio).

Special Sessions: Proposals are invited. Send to Xinzhi Liu, Dept. of Applied Mathematics, University of Waterloo, Waterloo, Ontario, Canada N2L 3G1, email: xzliu@uwaterloo.ca.

Call for Papers: Contributed papers are invited. Abstracts must be submitted to Zhaosheng Feng via email before Sept. 15, 2006: email: zsfeng@utpa.edu.

Information: <http://www.watam.org/deds06.htm>.

16–20 **DION 2005: An International Conference on Diophantine Equations: in honour of Professor T. N. Shorey on his 60th Birthday**, Tata Institute of Fundamental Research, Mumbai, India. (Jun/Jul. 2005, p. 675)

17–21 **Integral Closure, Multiplier Ideals and Cores**, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 612)

26–January 6, 2006 **CIMPA School on Commutative Algebra**, Institute of Mathematics, Hanoi, Vietnam. (Jun/Jul. 2005, p. 675)

January 2007

* 5–8 **Joint Mathematics Meetings**, New Orleans, Louisiana.
Information: <http://www.ams.org/amsmtgs/national.html>

8–June 29 **Analysis on Graphs and its Applications**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK. (Nov. 2005, p. 1264)

15–July 6 **Highly Oscillatory Problems: Computation, Theory and Application**, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK. (Nov. 2005, p. 1264 (Dec. 2005, p. 1383))

* 22–26 **Winter School “Geometric Measure Theory, Random Sets and Digital Stereology”**, Sandbjerg Estate, Sonderborg, Denmark.
Scope: The modern theory of random sets is strongly based on results in geometric measure theory and has important applications in digital stereology. The aim of the winter school is to give an overview of this area that ranges from classical generalizations of differential geometry over stochastic geometry to recent applications in the analysis of digital images.

Addressees: The winter school is addressed to Ph.D.s, PostDocs and other researchers in mathematics and statistics who want to get introduced in the field. Scientists from the natural sciences with an interest in mathematics are also welcome.

Organizers: Eva B. Vedel Jensen and Markus Kiderlen, University of Aarhus.

Teaching Team: Markus Kiderlen, University of Aarhus, Ilya Molchanov, University of Bern, Jan Rataj, Charles University, Praha.

Information: <http://www.thiele.au.dk/winterschool07/>.

March 2007

* 3–4 **AMS Southeastern Section Meeting**, Davidson College, Davidson, North Carolina.
Information: <http://www.ams.org/amsmtgs/sectional.html>

* 4–8 **Twelfth International Conference on Approximation Theory**, Menger Hotel, San Antonio, Texas.

Invited Speakers: Charles Chui (Univ. Missouri, St. Louis), Frank Deutsch (Penn State Univ.), Ron DeVore (Univ. South Carolina, Ming-Jun Lai (Univ. Georgia), Peter Oswald (International Univ., Bremen), Gabrielle Steidl (Univ. Mannheim), and Joe Ward (Texas A&M).

Organizers: Mike Neamtu and Larry L. Schumaker (Vanderbilt Univ.)

Information: <http://www.math.vanderbilt.edu/~at07/at07.html>, email: at07math@math.vanderbilt.edu.

* 16–17 **AMS Central Section Meeting**, Miami University, Oxford, Ohio.

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

* 19–23 **Representations of Surface Groups**, AIM Research Conference Center, Palo Alto, California.

Organizers: Steven Bradlow, Oscar Garcia-Prada, William M. Goldman, and Anna Wienhard.

Description: This workshop, sponsored by AIM and the NSF, will bring together researchers studying representations of fundamental groups of Riemann surfaces into real semisimple Lie groups. Such representations form multi-component algebraic sets. Recent progress in understanding these components has come from quite different approaches. The main goal of the workshop is to clarify the relations between these different approaches to initiate further research in this area

Deadline: January 5, 2007.

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

26–30 **Buildings and Combinatorial Representation Theory**, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 612)

April 2007

* 14–15 **AMS Eastern Section Meeting**, Stevens Institute of Technology, Hoboken, New Jersey.

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

* 21–22 **AMS Western Section Meeting**, University of Arizona, Tucson, Arizona.

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

23–27 **Problems in Geometric Group Theory**, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 612)

May 2007

7–11 **Rational Curves on Algebraic Varieties**, AIM Research Conference Center, Palo Alto, California. (May 2006, p. 612)

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

* 18–20 **The 2007 Midwest Geometry Conference (MGC 07)**, University of Iowa, Iowa City, Iowa.

MGC 07: To be held in the honor of Thomas P. Branson (1953–2006).

Topics: Functional determinants of conformal operators on 4-manifolds; PDE and geometric measure theory; Geometric and harmonic analysis.

Plenary Speakers: Ivan Avramidi, Alice Chang, Michael Eastwood, Charles Fefferman, Peter B. Gilkey, Rod Gover, Robin Graham, Kengo Hirachi, Gestur Olafsson, Bent Orsted, William Ugalde, Paul C. Yang.

Organizers: Susanne Branson, Oguz Durumeric, Doojin Hong, Palle Jorgensen, Gestur Olafsson, Lawrence Peterson, Vincent Rodgers, Walter Seaman, William Ugalde. Including publication (editors): Michael Eastwood, Rod Gover. <http://www.emis.de/journals/SIGMA/>.

Information: <http://www.math.uiowa.edu/MGC2007/> (will be updated periodically).

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 2007

* 4–8 **Arithmetic Harmonic Analysis on Character and Quiver Varieties**, AIM Research Conference Center, Palo Alto, California.
Organizers: Tamas Hausel, Emmanuel Letellier, and Fernando Rodriguez-Villegas.

Description: This workshop, sponsored by AIM and the NSF, will be devoted to bringing together mathematicians working on the following circle of ideas: cohomology of character and quiver varieties, representation theory of finite groups and algebras of Lie type, applications of the Weil conjectures to cohomological calculations, geometric representation theory of various finite and infinite dimensional algebras, and the combinatorics of Macdonald polynomials. Specific questions to be addressed during the workshop are described on the announcement page.

Deadline: February 15, 2007.

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

July 2007

* 31–August 3 **First Joint International Meeting between the AMS and the Polish Mathematical Society**, Warsaw, Poland.

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

October 2007

* 8–12 **Dichotomy Amenable/Nonamenable in Combinatorial Group Theory**, AIM Research Conference Center, Palo Alto, California.

Organizers: Mark Sapir and Tatiana Nagnibeda.

Description: This workshop, sponsored by AIM and the NSF, will be devoted to various incarnations of the notion of amenability for a finitely generated group. The main goal of the workshop is to gain better understanding of the meaning of being amenable or nonamenable for a discrete, finitely generated group. Our attention will be concentrated on a certain number of concrete open problems about (non)amenability of groups with origins in very different areas of mathematics, as described on the workshop announcement page.

Deadline: June 20, 2007.

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

* 13–14 **AMS Western Section Meeting**, University of New Mexico, Albuquerque, New Mexico.

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

November 2007

* 3–4 **AMS Southeastern Section Meeting**, Middle Tennessee State University, Murfreesboro, Tennessee.

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

December 2007

* 12–15 **First Joint International Meeting between the AMS and the New Zealand Mathematical Society (NZMS)**, Wellington, New Zealand.

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

January 2008

* 7–June 27 **Statistical Theory and Methods for Complex, High-**

Dimensional Data, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom.

Programme Theme: Most of twentieth-century statistical theory was restricted to problems in which the number p of ‘unknowns’, such as parameters, is much less than n , the number of experimental units. However, the practical environment has changed dramatically over the last twenty years or so, with the spectacular evolution of computing facilities and the emergence of applications in which the number of experimental units is comparatively small but the underlying dimension is massive, leading to the desire to fit complex models for which the effective p is very large. The existence of key applications strongly motivates the programme, but the fundamental aim is to promote core theoretical and methodological research. Both frequentist and Bayesian paradigms will be featured.
Organizers: D. Banks (Duke), P. Bickel (UC Berkeley), P. Hall (Australian National), I. M. Johnstone (Stanford), D. M. Titterton (Glasgow), S. van de Geer (Zurich).

Information: <http://www.newton.cam.ac.uk/programmes/SCH/>. Isaac Newton Institute for Mathematical Sciences, 20 Clarkson Road, Cambridge, CB3 0EH, U.K. Tel.: +44-1223-335999, Fax.: +44-1223-330508, email: info@newton.cam.ac.uk.

July 2008

* 14–December 19 **Mathematics and Physics of Anderson Localization: 50 Years After**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom.

Programme Theme: In his seminal paper “Absence of diffusion in certain random lattices” (1958) Philip W. Anderson discovered one of the most striking quantum interference phenomena: particle localization due to disorder. In the last 25 years the phenomenon of localization proved to be crucial for the understanding of the Quantum Hall Effect, mesoscopic fluctuations in small conductors as well as some aspects of quantum chaotic behavior. The goal of the program is to bring together the world leaders in spectral theory of random Schrödinger operators and theoretical physicists successfully working on the problem of Anderson localization.

Organizers: Y. V. Fyodorov (Nottingham), I. Goldshied (Queen Mary, London), T. Spencer (Princeton), M. R. Zirnbauer (Cologne).

Information: <http://www.newton.cam.ac.uk/programmes/MPA/>. Isaac Newton Institute for Mathematical Sciences, 20 Clarkson Road, Cambridge, CB3 0EH, U.K. Tel.: +44-1223-335999, Fax.: +44-1223-330508; email: info@newton.cam.ac.uk.

August 2008

* 26–December 19 **The Nature of High Reynolds Number Turbulence**, Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom.

Programme Theme: Turbulence is a notoriously difficult subject. The goal of this programme is to bring together leading experts from across the world to debate the fundamental questions. The discussion will be wide ranging, from the initiation of turbulence through to its asymptotic state at high Reynolds number, including the effects of rotation and stratification, and the addition of different phases, such as bubbles, particles and polymers.

Organisers: P. Bartello (McGill), P. A. Davidson (Cambridge), D. Dritschel (St. Andrews), Y. Kaneda (Nagoya), R. Kerswell (Bristol).

Information: <http://www.newton.cam.ac.uk/programmes/HRT/>. Isaac Newton Institute for Mathematical Sciences, 20 Clarkson Road, Cambridge, CB3 0EH, U.K. Tel.: +44-1223-335999, Fax.: +44-1223-330508, email: info@newton.cam.ac.uk .