
Mathematics Calendar

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

March 2005

1–2 **DIMACS Short Course: A Field Guide to GenBank and NCBI Molecular Biology Resources**, DIMACS Center, Rutgers University, Piscataway, New Jersey. (Jun/Jul. 2004, p. 692)

2–5 **Representing Unresolved Degrees of Freedom for the Atmosphere and Ocean**, Centre de Recherches Mathématiques, Université de Montréal, Montréal, Québec, Canada. (Aug. 2004, p. 833)

3–5 **International Conference on Environmental Fluid Mechanics (ICEFM'05)**, Indian Institute of Technology Guwahati, Guwahati, India. (Sept. 2004, p. 971)

6–12 **International Conference on Algebras, in Memory of Kostia Beidar**, National Cheng Kung University, Tainan, Taiwan. (Nov. 2004, p. 1264)

7–9 **DIMACS Working Group on Order Theoretic Aspects of Epidemiology**, DIMACS Center, Rutgers University, Piscataway, New Jersey. (Jun/Jul. 2004, p. 692)

7–11 **Third International Conference on Pattern Avoiding Permutations**, University of Florida, Gainesville, Florida. (Jun/Jul. 2004, p. 692)

7–June 10 **IPAM Long Program: Grand Challenge Problems in Computational Astrophysics**, UCLA, Los Angeles, California. (Dec. 2004, p. 1375)

8–11 **IPAM Program in Grand Challenge Problems in Computational Astrophysics–Tutorials**, UCLA, Los Angeles, California. (Dec. 2004, p. 1375)

9–13 **Minimal Surfaces, Sub-Elliptic PDE's and Geometric Anal-**

ysis, Dartmouth College, Hanover, New Hampshire. (Feb. 2005, p. 288)

14–18 **Deterministic and stochastic Navier-Stokes equations**, AIM Research Conference Center, Palo Alto, California. (Oct. 2004, p. 1095)

18–19 **AMS Southeastern Section Meeting**, Western Kentucky University, Bowling Green, Kentucky. (May 2004, p. 576)

19–20 **Twenty-Eighth Annual Texas Partial Differential Equations Conference**, University of Texas, Pan American, Edinburg, Texas. (Oct. 2004, p. 1095)

19–22 **2005 ASL Annual Meeting**, Stanford, California. (Jun/Jul. 2004, p. 692)

21–25 **Extensions of Hilbert's Tenth Problem**, AIM Research Conference Center, Palo Alto, California. (Sept. 2004, p. 970)

21–25 **Workshop on $N=1$ Compactifications**, The Fields Institute, Toronto, Ontario, Canada. (Mar. 2004, p. 361)

22–26 **Conference on Algebra and its Applications, Center of Ring Theory and Its Applications**, Department of Mathematics, Ohio University, Athens, Ohio. (Oct. 2004, p. 1095)

24–27 **Geometric Representation Theory**, University of Arizona, Tucson, Arizona. (Aug. 2004, p. 833)

27–31 **The 3rd International Conference on Sciences of Electronic, Technologies of Information and Telecommunications (SETIT 2005)**, Susa, Tunisia. (Nov. 2004, p. 1264)

28–30 **IMA Tutorial/Workshop: New Paradigms in Computation**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 2004, p. 692)

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/>.

28–April 1 **Generalized Kostka Polynomials**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2004, p. 692)

28–April 1 **Topology and geometry of the moduli space of curves**, AIM Research Conference Center, Palo Alto, California. (Dec. 2004, p. 1375)

28–April 1 **Workshop on String Phenomenology**, The Perimeter Institute, Waterloo, Ontario, Canada. (Apr. 2004, p. 461)

29–April 1 **14th International Workshop on Matrices and Statistics**, Massey University, Albany Campus, Auckland, New Zealand. (Nov. 2004, p. 1264)

29–April 2 **The 2005 UAB International Conference on Differential Equations and Mathematical Physics**, The University of Alabama at Birmingham, Alabama. (Jan. 2005, p. 79)

April 2005

1–July 8 **Special Semester on “Modern Methods of Time-Frequency Analysis”**, Erwin Schroedinger Institute (ESI) for Mathematical Physics, Vienna, Austria. (Apr. 2004, p. 461)

2–3 **AMS Eastern Section Meeting**, University of Delaware, Newark, Delaware. (May 2004, p. 576)

4–8 **Stiff Sources and Numerical Methods for Conservation Laws**, AIM Research Conference Center, Palo Alto, California. (Nov. 2004, p. 1264)

4–9 **IPAM Workshop: Astrophysical Fluid Dynamics**, UCLA, Los Angeles, California. (Dec. 2004, p. 1376)

6–10 **Extracting Macroscopic Information from Molecular Dynamics**, Centre de Recherches Mathématiques, Université de Montréal, Montréal, Québec, Canada. (Aug. 2004, p. 833)

7–9 **The 2005 Missouri Mathematical Association of Two Year Colleges Conference**, Lake Ozark, Missouri. (Jan. 2005, p. 79)

8–10 **AMS Central Section Meeting**, Texas Tech University, Lubbock, Texas. (May 2004, p. 576)

9–10 **Third Annual Graduate Student Topology Conference**, Northwestern University, Evanston, Illinois. (Dec. 2004, p. 1376)

10–15 **2005 USENIX Annual Technical Conference**, Marriott Anaheim, Anaheim, California. (Dec. 2004, p. 1376)

11–15 **IMA Workshop: Atomic Motion to Macroscopic Models: The Problem of Disparate Temporal and Spatial Scales in Matter**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 2004, p. 692)

14–15 **DIMACS Workshop on Intellectual Property Protection**, DIMACS Center, Rutgers University, Piscataway, New Jersey. (Jun/Jul. 2004, p. 692)

14–16 **30th Annual Arkansas Spring Lecture Series in the Mathematical Sciences: Recent Developments in Tight Closure**, University of Arkansas, Fayetteville, Arkansas. (Jan. 2005, p. 80)

16–17 **AMS Western Section Meeting**, University of California, Santa Barbara, California. (May 2004, p. 576)

18–22 **IPAM Workshop: N-body Problems in Astrophysics**, UCLA, Los Angeles, California. (Dec. 2004, p. 1376)

18–July 13 **Time at Work**, Institut Henri Poincaré, Paris, France. (Aug. 2004, p. 833)

25–29 **Analytical Methods in Number Theory, Probability Theory and Mathematical Statistics**, Euler IMI, St. Petersburg, Russia. (Feb. 2005, p. 288)

27–May 1 **Multiscale Modeling in Solids**, Centre de Recherches Mathématiques, Université de Montréal, Montréal, Québec, Canada. (Aug. 2004, p. 834)

28–30 **Barrett Lectures: New Developments in Nonlinear Partial Differential Equations**, University of Tennessee, Knoxville,

Tennessee. (Sept. 2004, p. 972)

May 2005

2–6 **IMA Workshop: Experiments in Physical Biology, Part I**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 2004, p. 693)

2–6 **IPAM Workshop: Relativistic Astrophysics**, UCLA, Los Angeles, California. (Dec. 2004, p. 1376)

2–6 **Workshop on Gravitational Aspects of String Theory**, The Fields Institute, Toronto, Ontario, Canada. (Apr. 2004, p. 461)

*4–5 **Latent Variable Models and Survey Data for Social and Health Sciences**, Centre de recherches mathématiques, Université de Montréal, Montréal, Québec, Canada.

Organizer: Mary E. Thompson (University of Waterloo).

5–6 **DIMACS Workshop on Security of Web Services and E-Commerce**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey. (Oct. 2004, p. 1096)

6–9 **Statistical Inferences on Shape Manifolds**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2004, p. 693)

9–20 **The Third Annual Spring Institute on Noncommutative Geometry and Operator Algebras in conjunction with the 20th Shanks Lecture**, Vanderbilt University, Nashville, Tennessee. (Jan. 2005, p. 80)

11–15 **Integrative Multiscale Modeling and Simulation in Materials Science, Fluids and Environmental Science**, Centre de Recherches Mathématiques, Université de Montréal, Montréal, Québec, Canada. (Aug. 2004, p. 834)

13–14 **Sixth Mississippi State–UAB Conference on Differential Equations & Computational Simulations**, Mississippi State University, Mississippi State, Mississippi. (Oct. 2004, p. 1096)

14–15 **Conference in Honor of Heydar Radjavi’s 70th Birthday**, Hotel Golf, Bled, Slovenia. (Aug. 2004, p. 834)

*14–20 **Workshop on Symplectic Field Theory**, University of Leipzig, Germany.

Topic: Lecture series by Helmut Hofer on “Fredholm theory in Polyfolds with Applications”.

Organizers: Kai Cieliebak, Helmut Hofer, Dusa McDuff, Klaus Mohnke, Matthias Schwarz.

Deadline: January 17, 2005.

Information: <http://www.math.uni-leipzig.de/ws/>.

15–18 **HPCS 2005: The New HPC Culture in Canada, The 19th Annual Symposium on High Performance Computing Systems & Applications**, University of Guelph, Guelph, Ontario, Canada. (Dec. 2004, p. 1376)

15–18 **OSCAR’05: The 3rd Annual Symposium on Open Source Cluster Application Resources (OSCAR)**, University of Guelph, Guelph, Ontario, Canada. (Nov. 2004, p. 1264)

15–21 **43rd International Symposium on Functional Equations**, Batz-sur Mer, France. (Nov. 2004, p. 1265)

15–21 **ICMI Study 15: The Professional Education and Development of Teachers of Mathematics**, Águas de Lindóia, São Paulo, Brazil. (Jun/Jul. 2004, p. 693)

16–20 **IMA Workshop: Experiments in Physical Biology, Part II**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 2004, p. 693)

16–20 **IPAM Workshop: Transport Phenomena in Computational Astrophysics**, UCLA, Los Angeles, California. (Dec. 2004, p. 1376)

16–20 **Stability Criteria for Multi-dimensional Waves and Patterns**, AIM Research Conference Center, Palo Alto, California. (Nov. 2004, p. 1265)

17–20 **Graph Theory with Altitude**, University of Colorado at Denver, Denver, Colorado. (Jun/Jul. 2004, p. 693)

17–21 **Lie algebras, Vertex operator algebras and their applications**, North Carolina State University, Raleigh, North Carolina. (Feb. 2005, p. 288)

18–21 **Combinatorial and additive number theory (CANT 2005): A conference in celebration of Mel Nathanson’s 60th birthday**, CUNY Graduate Center, 365 Fifth Avenue, New York, New York. (Feb. 2005, p. 288)

19–21 **CTS Conference on Combinatorics and Its Applications in Honor of Frank K. Hwang’s 65th Birthday**, National Chiao Tung University (NCTU), Hsin Chu, Taiwan. (Sept. 2004, p. 973)

22–25 **ICCS 2005: International Conference on Computational Science**, Atlanta, Georgia. (Oct. 2004, p. 1096)

23–25 **DIMACS Workshop on The Epidemiology and Evolution of Influenza**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey. (Oct. 2004, p. 1096)

23–29 **International conference “Function Spaces, Approximation Theory and Nonlinear Analysis” dedicated to the 100th birthday of S. M. Nikol’skii**, Steklov Mathematical Institute, Moscow, Russia. (Jan. 2005, p. 80)

27–30 **Scattering theory and singular spaces**, Northwestern University, Evanston, Illinois. (Feb. 2005, p. 289)

29–June 3 **5th Conference on Stochastic Analysis, Random Fields and Applications and Minisymposium on Stochastic Methods in Financial Models V**, Centro Stefano Franscini, Ascona, Switzerland. (Dec. 2004, p. 1377)

31–June 3 **Discrete Groups and Geometric Structures, with Applications II. (Crystallographic Groups and their Generalizations IV)**, Oostende, Hotel Royal Astrid, Belgium. (Jan. 2005, p. 80)

31–June 4 **2nd Conference on Analysis and Probability on Fractals**, Cornell University, Ithaca, New York. (Feb. 2005, p. 289)

June 2005

1–4 **ACMS 15th Biennial Conference**, Huntington College, Huntington, Indiana. (Feb. 2005, p. 289)

1–5 **Stochastic Modeling in Financial Mathematics** (joint with SAMSI), Centre de Recherches Mathématiques, Université de Montréal, Montréal, Québec, Canada. (Aug. 2004, p. 834)

2–10 **Seventh International Conference on Geometry, Integrability and Quantization with a special session on Multisymplectic Geometry and Classical Field Theory**, Sts. Constantine and Elena resort (near Varna), Bulgaria. (Feb. 2005, p. 289)

4–8 **International Conference on Scientific Computing (ICSC05)**, Nanjing, P. R. China. (Oct. 2004, p. 1096)

* 5–10 **31st International Conference “Applications of Mathematics in Engineering and Economics”**, Sozopol, Bulgaria.

Topics: Potential Theory and Partial Differential Equations, Mathematical Analysis and Appl., Operation Research, Numerical Methods and Mathematical Modeling, Computer Science.

Organizer: Faculty of Applied Mathematics and Informatics by the Technical University of Sofia, Bulgaria.

Information: <http://www.tu-sofia.bg/FPMI/amee05>.

6–8 **DIMACS Workshop on Polyhedral Combinatorics of Random Utility**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey. (Oct. 2004, p. 1096)

6–8 **Nonlinear Partial Differential Equations and Applications: Conference in honor of Jim Serrin on the occasion of the awarding of the title of Doctor Honoris Causa of Université François Rabelais**, Faculty of Sciences-Université, François Rabelais-Tours, France. (Feb. 2005, p. 289)

6–8 **SEM Annual Conference & Exposition on Experimental and Applied Mechanics**, Marriott Portland Downtown, Portland, Oregon. (May 2004, p. 576)

6–10 (REVISED) **International Mediterranean Congress of Mathematics Almeria 2005**, Almeria, Spain. (Dec. 2004, p. 1377)

6–10 **Moduli Spaces of Properly Embedded Minimal Surfaces**, AIM Research Conference Center, Palo Alto, California. (Jun/Jul. 2004, p. 693)

6–11 **14th Summer St. Petersburg Meeting in Mathematical Analysis**, Euler IMI, St. Petersburg, Russia. (Feb. 2005, p. 289)

* 6–24 **Summer School and Conference on Geometry and Topology of 3-Manifolds**, ICTP, Trieste, Italy.

Organizers: Michel Boileau, Carlo Petronio, Bruno Zimmermann.

Deadline: January 20, 2005.

Information: <http://agenda.ictp.trieste.it/agenda/current/fullAgenda.php?email=0&ida=a04195>.

7–10 **SIAM Conference on Mathematical and Computational Issues in the Geosciences**, Palais des Papes, The International Conference Center, Avignon, France. (Nov. 2004, p. 1265)

7–12 **25th Great Plains Operator Theory Symposium (GPOTS-05)**, University of Central Florida, Orlando, Florida. (Feb. 2005, p. 289)

7–17 **Fields Institute Summer School on Operator Algebras**, University of Ottawa, Ottawa, Ontario, Canada. (Nov. 2004, p. 1265)

8–10 **Eleventh Conference on Integer Programming and Combinatorial Optimization (IPCO XI)**, Berlin, Germany. (Dec. 2004, p. 1377)

8–11 **IMA Workshop: Effective Theories for Materials and Macromolecules**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 2004, p. 693)

8–12 **Computability in Europe 2005 (CiE 2005): New Computational Paradigms**, Amsterdam, The Netherlands. (Feb. 2005, p. 289)

10–12 **Groups, Rings and Algebras—A Conference in Honor of Donald S. Passman**, University of Wisconsin, van Vleck Hall, Madison, Wisconsin. (Jan. 2005, p. 80)

12–24 **Foliations 2005**, Lodz, Poland. (Sept. 2004, p. 973)

12–July 23 **DIMACS Reconnect Conferences 2005: Reconnecting Teaching Faculty to the Mathematical Sciences Research Enterprise**, DIMACS, CoRE Building, 4th Floor, Rutgers, the State University of New Jersey, 96 Frelinghuysen Road, Piscataway, New Jersey. (Feb. 2005, p. 290)

13–17 **Boundaries in Geometric Group Theory**, AIM Research Conference Center, Palo Alto, California. (Jan. 2005, p. 80)

13–18 **Computational Methods and Function Theory (CMFT 2005)**, Joensuu, Finland. (Feb. 2004, p. 279)

13–25 (REVISED) **CIMPA Summer School AGAHF 2005—Arithmetic and Geometry around Hypergeometric Functions**, Galatasaray University, Ortakoy, Istanbul, Turkey. (Aug. 2004, p. 834)

* 14–18 **Random Media and Stochastic Partial Differential Equations**, University of Southern California, Los Angeles, California.

Organizer: Sergey Lototsky (lototsky@math.usc.edu).

Speakers: M. I. Freidlin (University of Maryland, College Park); R. Z. Khasminskii (Wayne State University); N. V. Krylov (University of Minnesota); G. Papanicolaou (Stanford University); A. N. Shiryaev (Steklov Mathematics Institute, Moscow, Russia); R. Sowers (University of Illinois, Urbana-Champaign).

Information: Program to be posted at <http://math.usc.edu>.

* 15–18 **Algebraic and Topological Methods in Non-classical Logics II**, University of Barcelona, Barcelona, Spain.

Description: The semantic study of non-classical logics is a field where no single overarching paradigm has been established, and

where a variety of techniques are currently being explored. An important goal of this meeting is to promote the cross-fertilization between the fundamental ideas connected with these approaches. Thus, we aim to bring together researchers from various fields of non-classical logics and applications, as well as from lattice theory, universal algebra, category theory and general topology, in order to foster collaboration and further research. The scientific programme of the congress will include a few invited lectures and will provide ample time for contributed papers and interaction between participants. Researchers whose interests fit the general aims of the conference are encouraged to participate.

Information: The names of invited speakers, and further details about travel grants, hotels, etc., will be posted at the congress' web page <http://www.mat.ub.es/~logica/meeting2005/>. Please visit it for any other information on the meeting.

16–19 **Second Joint International Meeting with the Deutsche Mathematiker-Vereinigung (DMV) and the Oesterreichische Mathematische Gesellschaft (OMG)**, Mainz, Germany. (May 2004, p. 576)

17–23 (NEW DATE) **Algebraic Geometry and Number Theory**, Euler IMI, St. Petersburg, Russia. (Feb. 2005, p. 290)

19–24 **33rd Canadian Operator Symposium (COSy), dedicated to George Elliott's 60th birthday**, University of Ottawa, Ottawa, Ontario, Canada. (Nov. 2004, p. 1265)

19–24 **First Announcement: Conference on Applied Mathematics and Scientific Computing 4: On the occasion of Professor Aganovic's 70th birthday**, Brijuni, Croatia. (Nov. 2004, p. 1265)

19–24 **Conference on Applied Mathematics and Scientific Computing 4: On the occasion of Professor Aganovic's 70th Birthday**, Brijuni, Croatia. (Nov. 2004, p. 1265)

20–22 **DIMACS Workshop on Detecting and Processing Regularities in High Throughput Biological Data**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey. (Dec. 2004, p. 1377)

20–24 **Second Conference on Self-Similarity and Applications**, INSA Toulouse, Toulouse, France. (Aug. 2004, p. 834)

20–24 **The Fourth International Conference on High Dimensional Probability (HDP)**, St. John's College, Santa Fe, New Mexico. (Feb. 2005, p. 290)

20–25 **Asymptotic and Probabilistic Methods in Geometric Group Theory**, Geneva, Switzerland. (Jun/Jul. 2004, p. 693)

20–25 **FPSAC'05 : 17th Annual Conference on Formal Power Series and Algebraic Combinatorics**, Taormina, Sicily (Italy). (Dec. 2004, p. 1377)

20–26 **Sixth International Conference "Symmetry in Nonlinear Mathematical Physics"**, Institute of Mathematics, National Academy of Sciences of Ukraine, Kyiv (Kiev), Ukraine. (Dec. 2004, p. 1377)

20–July 8 (REVISED) **Random matrices, random processes, and integrable systems (C.R.M. Short Program)**, Centre de recherches mathématiques, Université de Montréal, Montréal. (Nov. 2004, p. 1265)

20–July 15 **Clay Mathematics Institute Summer School: Ricci Flow, 3-Manifolds and Geometry**, MSRI, Berkeley, California. (Feb. 2005, p. 290)

20–August 15 **Computational Prospects of Infinity**, Institute for Mathematical Sciences, National University of Singapore, Singapore. (Jun/Jul. 2004, p. 693)

21–24 **MAM 5—Fifth International Conference on Matrix Analytic Methods in Stochastic Models**, Pisa, Italy. (Sept. 2004, p. 974)

25–July 1 **The Twentieth IEEE Symposium on Logic In Computer Science (LICS 2005): Call for Workshop Proposals**, Chicago,

Illinois. (Feb. 2005, p. 290)

26–29 **12th International Linear Algebra Society Conference**, Regina Inn Hotel and Conference Centre, Regina, Canada. (Dec. 2004, p. 1378)

26–July 1 **ERLOGOL-2005: Intermediate Problems of Model Theory and Universal Algebra**, State Technical University/Mathematics Institute, Novosibirsk, Russia. (Jun/Jul. 2004, p. 694)

26–July 1 **30th Conference on Stochastic Processes and Their Applications**, University of California at Santa Barbara (UCSB), Santa Barbara, California. (Jun/Jul. 2004, p. 694)

27–July 1 **Nonlinear Modelling and Control, An International Seminar**, Nayanova University, Samara, Russia. (Feb. 2005, p. 290)

* 27–July 5 **Probability and Mathematical Physics**, Centre de recherches mathématiques, Montréal, Québec, Canada.

Description: Conference celebrating the 65th birthday of Stanislav Molchanov.

Organizers: Don Dawson (Carleton & McGill), Vojkan Jaksic (McGill), Boris Vainberg (UNCC).

Invited Speakers: G. Ben Arous (Courant), L. Bogachev (England), R. Carmona (Princeton), K. Chen (N. Carolina), M. Cranston (Rochester), G. Derfel (Ben Gurion), E. Dynkin (Cornel), A. Figotin (Irvine), M. Freidlin (Maryland), J. Gaertner (Berlin), I. Goldsheid (England), A. Gordon (Rochester), R. Grigorchuk (Texas A&M), D. Hundertmark (Illinois), S. Jitomirskaya (Irvine), R. Kashminski (Detroit), * K. Khanin (England), W. Kirsch (Ruhr), A. Kiselev (Wisconsin), A. Klein (Irvine), L. Korolov (Princeton), S. Kotani (Japan), * P. Kuchment (Texas A&M), A. Laptev (Stockholm), Y. Last (Hebrew), V. Malyshev (Paris), M. Menshykov (England), N. Minami (Japan), L. Pastur (Ukraine), A. Ramirez (Chile), B. Simon (Caltech), A. Soshnikov (Davies), T. Spencer (IAS). (*) To be confirmed.

28–July 1 **DAYS on DIFFRACTION–2005**, St. Petersburg Branch of Steklov's Math. Inst. and St. Petersburg Univ., St. Petersburg, Russia. (Dec. 2004, p. 1378)

* 30–July 2 **Primeras Jornadas de Teoría de Números**, EPSVG-UPC, Vilanova i la Geltrú (Barcelona), Spain.

Description: The "Jornadas de Teoría de Números" (Number Theory Conference) are born to become a periodic meeting point for the arithmetical community working in Spanish language, so that it can show the state of the art of research in Number Theory in Spain and promote relationships between different research groups.

Invited Speakers: P. Bayer, J. Cilleruelo, E. Friedman, J. Guàrdia, J. C. Peral, F. Rodríguez-Villegas.

Scientific Committee: J. González-Rovira, J. Muñoz-Porrás, E. Nart, A. Quirós, N. Vila.

Organizing Committee: G. Cardona, J. Fernández, J. González-Rovira, J. Guàrdia, V. Rotger.

Information: <http://anduril.epsevg.upc.es/~jtn05>.

July 2005

2–7 **SRTL-4: The Fourth International Research Forum on Statistical Reasoning, Thinking, and Literacy**, The University of Auckland, Auckland, New Zealand. (Jun/Jul. 2004, p. 694)

2–9 **Mile High Conference on Quasigroups, Loops and Nonassociative Systems**, University of Denver, Denver, Colorado. (Nov. 2004, p. 1266)

3–9 **XXIVèmes Journées Arithmétiques**, Marseilles, France. (Sept. 2004, p. 975)

4–8 **8th International Symposium on "Generalized Convexity and Monotonicity"**, Insubria University, Varese, Italy. (Dec. 2004, p. 1378)

4–8 **Conference on Universal Algebra and Lattice Theory**, University of Szeged, Szeged, Hungary. (Dec. 2004, p. 1378)

9–11 **Joint Meeting of the Chinese Society of Probability and Statistics (CSPS) and the Institute of Mathematical Statistics (IMS)**, Beijing, China. (Aug. 2004, p. 834)

10–13 **The 20th Summer Conference on Topology and Its Applications**, Denison University, Granville, Ohio. (Jan. 2005, p. 80)

10–14 **12th International Conference on Mathematical Modelling and Applications (ICTMA12)**, City University, London, England. (Jan. 2004, p. 64)

10–15 **20th British Combinatorial Conference**, University of Durham, United Kingdom. (Sept. 2004, p. 975)

10–15 **SampTA05 (Sampling Theory and applications)**, Ondokuz Mayıs University Samsun, Turkey. (Nov. 2004, p. 975)

10–16 **Stochastic Modelling of Complex Systems (SMOCS-05)**, Daydream Island resort (Whitsundays, Queensland, Australia). (Nov. 2004, p. 1266)

10–23 **Cornell Summer School in Probability**, Cornell University, Ithaca, New York. (Aug. 2004, p. 834)

11–14 **Sixth SIAM Conference on Control and its Applications**, Hilton New Orleans Riverside Hotel, New Orleans, Louisiana. (Dec. 2004, p. 1378)

11–15 **Gravitational Lensing in the Kerr Spacetime Geometry**, AIM Research Conference Center, Palo Alto, California. (Nov. 2004, p. 1266)

* 11–15 **Novi Sad Algebraic Conference 2005**, University of Novi Sad, Novi Sad, Serbia/Serbia and Montenegro.

Program: In order to attract younger researchers and others who are not experts in the area, there will be longer plenary talks, 60 minutes in duration. Many of them should be of expository, survey-like nature, which should make them understandable to a wider audience. The afternoon sessions will be reserved for contributed talks in several special sessions, the number of which will depend on the number of speakers. The duration of these will be 20 minutes, and it is expected that the speakers will present their most interesting recent research.

Topics: Universal algebra, Lattices and ordered structures, Model theory and set theory, Clone theory, Algebraic methods in computer science.

Plenary speakers: Z. Esik (Univ. of Szeged), R. Freese (Univ. of Hawaii), P. Idziak (Jagiellonian Univ., Krakow), J. Jezek (Charles Univ., Prague), K. Kearnes (Univ. of Colorado at Boulder), R. McKenzie (Vanderbilt Univ.), R. Pöschel (Technical Univ., Dresden), I. Rosenberg (Univ. of Montreal), A. Szendrei (Univ. of Colorado at Boulder), S. Todorčević (Univ. of Toronto & Université Paris 7), F. Wehrung (Univ. of Caen), R. Willard (Univ. of Waterloo).

Deadlines: The deadline for the registration is April 30, 2005; The abstract submission deadline is May 31, 2005.

Information: <http://www.im.ns.ac.yu/events/NSAC05/default.html>; email: nsac05@im.ns.ac.yu.

11–16 **Strings 2005, Toronto**, University of Toronto, Toronto, Ontario, Canada. (Nov. 2004, p. 1266)

* 11–22 **SMS 2005-NATO Advanced Summer Institute: Equidistribution in Number Theory**, Université de Montréal, Montréal, Canada.

Speakers: Yuri Bilu (Bordeaux I), William Duke (UCLA), John Friedlander (Toronto), Andrew Granville (Montréal), Roger Heath-Brown (Oxford), Elon Lindenstrauss (NYU), Jens Marklof (Bristol), Zeev Rudnick (Tel Aviv), Wolfgang Schmidt (Colorado at Boulder and Vienna), K. Soundararajan (Michigan), Yuri Tschinkel (Göttingen), Emmanuel Ullmo (Paris-Sud 11), Akshay Venkatesh (MIT).

Features: Uniform Distribution and beyond: Applications to Cryptographic protocols, distribution of integers, level statistics. Integer and rational points on varieties: Geometry of numbers, the circle method, homogeneous varieties via spectral theory and ergodic

theory. The Andre-Oort conjectures: Equidistribution of CM-points and Hecke points, points of small height. Quantum ergodicity: Quantum maps and modular surfaces.

Note: This summer school is primarily targeted at senior grad students, postdocs and junior faculty. For full consideration, requests for participation or financial assistance must be received before February 28, 2005. Financial support available.

Information: <http://www.dms.umontreal.ca/sms/>; email: belanger@dms.umontreal.ca.

* 16–August 1 **The Eighth International Diffiety school**, Santo Stefano del Sole (Avellino), Italy.

Aim: The aim of the School is to introduce undergraduate and Ph.D. students in Mathematics and Physics as well as post-doctoral researchers in a recently emerged area of Mathematics and Theoretical Physics: Secondary Calculus. A diffiety is a new geometrical object that properly formalizes the concept of the solution space of a given system of (nonlinear) PDEs, much as an algebraic variety does with respect to solutions of a given system of algebraic equations. Secondary Calculus is a natural diffiety analogue of the standard Calculus on smooth manifolds, and as such leads to a very rich general theory of nonlinear PDEs. Moreover, it appears to be the unique natural language for quantum physics, just as the standard Calculus is the natural language for classical physics.

Organizer: Diffiety Institute (Russia).

Deadline: June 15, 2005.

Contact: Prof. A. M. Vinogradov, Dipartimento di Matematica e Informatica, Università di Salerno, Via Ponte del Melillo, 84084 Fisciano (SA), Italy; email: school05@diffiety.org; <http://diffiety.ac.ru>.

17–30 **Advances in Sensing with Security Applications: A NATO Advanced Study Institute**, Ciocco Resort, Tuscany. (Jan. 2005, p. 81)

18–22 **Algorithms for Approximation V**, University College, Chester, UK. (Nov. 2004, p. 1266)

18–22 **VI Brazilian Workshop on Continuous Optimization**, West Side Hotel Residence, Av. República do Líbano, 2526, Setor Oeste, in Goiânia, Brazil. (Jan. 2005, p. 81)

20–27 **The 5th International Algebraic Conference in Ukraine**, Odessa I. I. Mechnikov National University, Odessa, Ukraine. (Nov. 2004, p. 1266)

22–27 **AMSI Workshop entitled “Noncommutative Geometry and Index Theory”**, Australian National University, Canberra, Australia. (Feb. 2005, p. 291)

24–27 **International Symposium in Symbolic and Algebraic Computation ISSAC’2005**, Beijing, China. (Feb. 2005, p. 291)

24–28 **25th European Meeting of Statisticians**, University of Oslo, Oslo, Norway. (Dec. 2004, p. 1379)

25–29 **IMA Workshop: Mixed Integer Programming**, University of Minnesota, Minneapolis, Minnesota. (Jun/Jul. 2004, p. 694)

25–30 **First Announcement: International Conference on Differential Equations, Special Functions and Applications**, Munich, Germany. (Feb. 2005, p. 291)

28–August 3 **Logic Colloquium '05: ASL European Summer Meeting**, Athens, Greece. (Oct. 2004, p. 1097)

30–August 6 **Groups St Andrews 2005**, University of St Andrews, St Andrews, Scotland. (Jan. 2005, p. 81)

31–August 3 **Bridges: Mathematical Connections in Art, Music, and Science**, The Banff Centre, Banff, Canada. (Jan. 2005, p. 81)

August 2005

* 1–9 **XVI Coloquio Latinoamericano de Algebra**, Colonia, Uruguay.
Description: This biannual event is the premier conference linking algebraists and algebraic geometers from all of Latin America.

Topics: Besides the plenary talks and general courses this meeting will have seven thematic parallel sessions on the following topics: Commutative Algebra and Algebraic Geometry, Non-associative Algebras and Ring theory, Group Theory, Hopf Algebras and Algebraic Combinatorics, Homological Methods and Representation Theory, Number Theory, Operator Algebras. A special session on Applications of Algebra will also be held.

Speakers: A list of a few of the confirmed speakers is the following: Nicolas Andruskiewitsch, Raymundo Bautista, Michel Brion, Ken Brown, Antonio Campillo, Max Karoubi, Jean-Louis Loday, Susan Montgomery, Adrian Ocneanu, Jose Antonio de la Peña, Vladimir Popov, Hans-Jürgen Schneider, Aron Simis, Frank Sottile, Richard Stanley, Boris Tsygan, Mariusz Wodzicki.

Organizing and Scientific Committee: Walter Ferrer Santos (Co-ord.), Gerardo Gonzalez-Sprinberg, Alfredo Jones, Alvaro Rittatore, Andrea Solotar.

Deadline: May 1st, 2005.

Information: <http://www.cmat.edu.uy/cmat/eventos/16cla/en>; Walter Ferrer: email: wrferrer@cmat.edu.uy

1–December 23 **Pattern Formation in Large Domains**, Isaac Newton Institute for Mathematical Sciences, Cambridge, England. (Aug. 2004, p. 834)

2–6 **Eighth IMS North American New Researchers Conference**, Minneapolis, Minnesota. (Jan. 2005, p. 81)

3–5 **DIMACS Workshop on Yield Management and Dynamic Pricing**, DIMACS Center, CoRE Bldg, Rutgers University, Piscataway, New Jersey. (Dec. 2004, p. 1379)

* 5–11 **Logic In Hungary, 2005**, Budapest, Hungary.

Topics: Set Theory, Foundations of Space-Time, Algebraic Logic, but contributions from all other branches of symbolic logic are welcome.

Organizing Committee: A. Hajnal, J. Suranyi (honorary chair), H. Andreka, I. Juhasz, P. Komjath, I. Nemeti (co-chair), G. Sági (secretary), L. Csirmaz, M. Ferenczi, M. Redei, I. Sain and L. Soukup (members).

Information: Contact: email: lh05@renyi.hu; <http://www.renyi.hu/lh05>.

* 7–12 **High-dimensional Partial Differential Equations in Science and Engineering**, Centre de recherches mathématiques, Université de Montréal Montréal, Québec, Canada.

Description: High dimensional spatio-temporal partial differential equations are a major challenge to scientific computing of the future. Up to now deemed prohibitive, they have recently become manageable by combining recent developments in numerical techniques, appropriate computer implementations, and the use of computers with parallel and even massively parallel architectures. This opens new perspectives in many fields of applications. Kinetic plasma physics equations, many body Schrödinger equation, Dirac and Maxwell equations for molecular electronic structure and nuclear dynamic computations, options pricing equations in mathematical finance, and Fokker-Planck and fluid dynamics equations for complex fluids, are examples of equations that can now be handled. The objective of the workshop is to bring together experts of international stature in that broad spectrum of areas to confront their approaches and possibly bring out common problem formulations and research directions in the numerical solutions of high dimensional partial differential equations in various fields of science and engineering with special emphasis on chemistry and physics.

Scientific Program Committee and Organizers: André Bandrauk (CRC, Chimie, Université de Sherbrooke); Michel Delfour (CRM/DMS, Université de Montréal, Canada); Claude Le Bris (CERMICS, École Nationale des Ponts et Chaussées, France).

7–12 **International Conference: Mathematics in Finance**, Kruger National Park, South Africa. (Dec. 2004, p. 1379)

* 8–12 **NSF-CBMS Regional Conference on Algebraic and Topological Combinatorics of Ordered Sets**, San Francisco State University, San Francisco, California.

Speaker: Anders Björner will give ten lectures to introduce background material, fundamental results, and recent advances in the field of algebraic and topological combinatorics of partially order sets, (oriented) matroids, subspace arrangements, and algebraic shifting etc. Most of the 40-50 participants should expect to obtain funding. Graduate students and postdocs are highly encouraged to apply.

Other Speakers: Alexander Barvinok, Winfried Bruns, Gunnar Carlsson, Persi Diaconis, Isabella Novik, Bernd Sturmfels, Michelle Wachs, Neil White.

Organizers: J. Gubeladze, email: soso@math.sfsu.edu; S. Hosten; email: serkan@math.sfsu.edu.

Information: <http://math.sfsu.edu/gubeladze/cbms.html>.

8–13 **XX Nevanlinna Colloquium**, ETH Lausanne, Lausanne, Switzerland. (Nov. 2004, p. 1266)

8–December 23 **Global Problems in Mathematical Relativity**, Isaac Newton Institute for Mathematical Sciences, Cambridge, England. (Aug. 2004, p. 834)

* 17–21 **Third Pacific Rim Conference on Mathematics**, Fudan University, Shanghai, China.

Topics: All areas of mathematics with focus topics on: Algebra and Combinatorics; Algebraic Aspects of Lie Theory and Geometry; Applied Differential Geometry; Asymptotics and Riemann-Hilbert Problems; Computational Approach to Complex Dynamical Systems; Kinetic Theory; Low Dimensional Topology and Geometry; Nonlinear Analysis Nonlinear Phenomena, Symmetry and Integrable Structures; Partial Differential Equations and Applications.

Plenary Speakers: Gerard Jennhwa Chang (Taiwan), Shuxing Chen (China), Philippe G. Ciarlet (Hong Kong), Konstantin Mischaikow (USA), Colin Rogers (Australia), Minoru Wakimoto, (Japan), Shicheng Wang (China), Roderick Wong (Hong Kong), Shih-Hsien Yu (Hong Kong).

Local Organizers: X. Chen, J. Cheng, J. Hong, T. Li (Chairman), L. Lu, Y. Tan, Z. Wu.

Supporter: Fudan University, Mathematical Center of Ministry of Education of China, National Natural Science Foundation of China, Chinese Mathematical Society, China Society for Industrial and Applied Mathematics, Liu Bie Ju Centre for Mathematical Sciences (City University of Hong Kong), Sino-French Institute of Applied Mathematics

Information: Contact: Zhou Chunlian, Sino-French Institute of Applied Mathematics, Fudan University, Shanghai 200433, China; tel: 81-21-6564 2469; fax: 86-21-6564 8274; email: clzhou@fudan.edu.cn; <http://PRCM3.fudan.edu.cn>.

September 2005

* 5–9 **Workshop on: Modular Forms, Automorphic Forms and Related Moduli Spaces**, INdAM-institute on the campus of the Università di Roma "La Sapienza", Rome, Italy.

Organizers: Riccardo Salvati Manni (Roma) and Bert van Geemen (Milano).

Invited Speakers: F. Andreatta (Padova); S. Böcherer (Mannheim); J. H. Bruinier (Heidelberg) to be confirmed; D. Doud (Provo) to be confirmed; C. Faber (Stockholm) to be confirmed; V. Gritsenko (Lille); S. Grushevsky (Princeton); E. Freitag (Heidelberg); K. Hulek (Hannover); T. Ibukiyama (Osaka); W. Kohlen (Heidelberg); S. Kondo (Nagoya); S. Kudla (College Park) to be confirmed; E. Looijenga (Utrecht); D. Pollack (Middletown); G. K. Sankaran (Bath); R. Schmidt (Oklahoma); N. I. Shepherd-Barron (Cambridge, UK); W. Stein (Cambridge, USA); A. M. Uludag (Bursa); R. Weissauer (Heidelberg) to be confirmed.

Information: <http://www.mat.uniroma1.it/modular/>; email: modular@mat.uniroma1.it.

5–11 **The Seventh International Workshop on Differential Geometry and its Applications**, Deva, Romania. (Feb. 2005, p. 291)

* 12–16 **p-Adic Representations**, Centre de recherches mathématiques, Univ. de Montréal, Montréal, Québec, Canada.

Topics: The main topics are related to a p-adic Langlands correspondence and its relationship to p-adic families of motives. More precisely the p-adic Langlands correspondence is a correspondence between p-adic Galois representations of dimension n (of the absolute Galois group of Qp) and certain representations of $GL_n(Qp)$ on p-adic topological vector spaces. This correspondence is supposed to be compatible with p-adic families on both sides.

Organizers: Adrian Iovita (Concordia); Henri Darmon (McGill).

Information: <http://www.crm.umontreal.ca/Number2005/>.

12–19 **Small Deviation Probabilities and Related Topics**, Euler IMI, St. Petersburg, Russia. (Feb. 2005, p. 291)

* 13–17 **5th International Conference on Words**, Centre de recherches mathématiques, Université de Montréal, Montréal, Québec, Canada.

Organizers: Srečko Brlek (Univ. du Québec à Montréal); Cedric Chauve (Univ. Bordeaux I, UQAM); Annie Lacasse (Univ. du Québec à Montréal); Geneviève Paquin (Univ. du Québec à Montréal).

16–20 **International Conference of Numerical Analysis and Applied Mathematics 2005 (ICNAAM 2005)**, Hotel Esperides, Rhodes, Greece. (Feb. 2005, p. 291)

19–23 **IMA Tutorial: Radar and Optical Imaging**, University of Minnesota, 207 Church St. SE, 400 Lind Hall, Minneapolis, Minnesota. (Jan. 2005, p. 82)

* 20–27 **International Conference Harmonic Analysis and Approximations, III**, Tsahkadzor, Armenia.

Deadline for Application: March 31, 2005 .

Description: The program of the conference will consist of invited 40-minutes plenary lectures and contributed 20-minutes talks. The following mathematicians have agreed to give a plenary lecture at the conference: Borislav Bojanov (Bulgaria), Carl de Boer (USA) , Ronald DeVore (USA), Nira Dyn (Israel), Hakop Hakopian (Armenia), Kazaros Kazarian (Spain), Gerard Kerkyacharian (France), Sergey Konyagin (Russia), Michael Lacey (USA), Konstantin Oskolkov (USA), Allan Pinkus (Israel), Gerald Shmieder (Germany), Przemyslaw Wojtaszczyk (Poland).

Contact Information: Artur Sahakian, Institute of Mathematics, Marshal Bagramian ave, 24-B, 375019, Yerevan, Armenia; email: mathconf@ysu.am; <http://math.sci.am>; fax: (3741) 524801. On-line registration is available: <http://math.sci.am/conference/sept2005/registration.html>.

26–30 **49th Annual Meeting of the Australian Mathematical Society**, The University of Western Australia, Perth, Australia. (Jan. 2005, p. 82)

October 2005

8–9 **AMS Eastern Section Meeting**, Bard College, Annandale-on-Hudson, New York. (Dec. 2004, p. 1379)

15–16 **AMS Southeastern Section Meeting**, East Tennessee State University, Johnson City, Tennessee. (Dec. 2004, p. 1379)

17–21 **IMA Workshop: Imaging from Wave Propagation**, University of Minnesota, 207 Church St. SE, 400 Lind Hall, Minneapolis, Minnesota. (Jan. 2005, p. 82)

17–21 **Nonlinear Parabolic Problems**, Helsinki, Finland. (Jan. 2005, p. 82)

21–22 **AMS Central Section Meeting**, University of Nebraska, Lincoln, Nebraska. (Dec. 2004, p. 1379)

* 24–26 **SIAM Conference on Mathematics for Industry: Challenges and Frontiers**, Detroit Marriott Renaissance Center, Detroit, Michigan.

Information: SIAM's conference on Mathematics for Industry focuses attention on the many and varied opportunities to promote applications of mathematics to industrial problems. Since the SIAM community encompasses enormous talent for integrating and enriching both industrial work and academic research, this conference will stress interactions within the context of mathematical models and complex systems, and will encourage other mathematical themes of interest to industry, government, business and finance.

The multidisciplinary nature of challenging manufacturing and development problems inspires the first thematic focus on mathematical models of processes encountered in manufacturing. In addition to validating models for consistency and computational correctness, and verifying them against real world data, these models must be joined into larger, more complex and interacting mathematical models. The second theme focuses on complex systems, which can vary from interactions among simplistic individual agents to complex mathematical models of behaviors. Each theme will include attention to the challenges that arise in coping with enormous amounts of data.

Information: <http://widen@siam.org>.

* 24–28 **International Conference on Computing and Mathematical Modeling for Environmental, Social-Economical, and Technical Systems-2005**, East China Normal University, Shanghai, China.

Topics: Include, but not limited to: Computing and Modeling of Earth Systems, Coastal and Marine Systems, GIS and Spatial Models, Neural Networks, Statistics and Statistical Modeling, Fuzzy Sets and Systems, Numerical Methods and Applications, Optimization and Decision Making, Environmental Modeling, Allocation of Resources, Mathematics and Computing of Robotics, Sensors and Measurement, Distance Learning and Educational technologies, Mathematics and Science Education.

Information: <http://sci.tamucc.edu/~icomm/index.html>.

November 2005

7–11 **IMA Workshop: Frontiers in Imaging**, University of Minnesota, 207 Church St. SE, 400 Lind Hall, Minneapolis, Minnesota. (Jan. 2005, p. 82)

12–13 **AMS Western Section Meeting**, University of Nebraska, University of Oregon, Eugene, Oregon. (Dec. 2004, p. 1379)

25–December 1 **Reform, Revolution and Paradigm Shifts in Mathematics Education**, Johor Bharu, Southern Malaysia (very close to Singapore). (Feb. 2005, p. 291)

December 2005

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)

* 12–16 **Intersection of Arithmetic Cycles and Automorphic Forms**, Centre de recherche mathématiques, Université de Montréal, Montréal, Québec, Canada.

Purpose: To explore the relationship between intersection numbers for arithmetic cycles on Shimura varieties, Fourier coefficients of automorphic forms, and special values of L-functions.

Organizers: Eyal Goren (McGill) and Henri Darmon (McGill).

Information: <http://www.crm.umontreal.ca/Number2005/>.

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

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

* 15–19 **Conference on Low-dimensional Topology**, University of Virginia, Charlottesville, Virginia.

Objective: To bring together researchers working on different aspects of low-dimensional topology, including Floer homology,

the Ricci flow program, and more “classical” geometric topology, with the goal of looking for connections and unifying perspectives. A theme in several of these areas is that subtle relationships between a 4-manifold and its boundary constrain and illuminate both 3- and 4-dimensional topology. We propose this as a framework for comparing existing approaches and formulating key problems.
Organizers: Slava Krushkal (univ. Va), Frank Quinn (Virginia Tech).
Information: <http://www.math.virginia.edu/topology/>.

January 2006

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)

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

February 2006

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)

*13–18 **L-functions and Related Themes**, Centre de recherche mathématiques, Univ. de Montréal, Montréal, Québec, Canada.

Focus: The workshop will focus on the analytic theory of L-functions and how they are used in a variety of questions ranging from arithmetic geometry to classical analytic number theory.

Lecturers: Philippe Michel (Montpellier II); Kumar Murty (Toronto); K. Soundararajan (Michigan).

Organizers: Chantal David (Concordia) and Ram Murty (Queen's).

Information: <http://www.crm.umontreal.ca/Number2005/>.

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.

March 2006

*13–17 **Anatomy of Integers**, Centre de recherche mathématiques Université de Montréal, Montréal, Québec, Canada.

Organizers: Jean-Marie de Koninck (Laval) and Andrew Granville (Montréal).

Workshop Focus: On multiplicative number theory, divisors, prime factors, distribution of prime divisors, multiplicative functions, smooth/friable numbers etc.

Lecturers: Kevin Ford (Urbana-Champaign); K. Soundararajan (Michigan); Gerald Tenenbaum (Institut Élie Cartan Nancy).

Information: <http://www.crm.umontreal.ca/Number2005/>.

April 2006

*6–12 **Additive Combinatorics**, Centre de recherche mathématiques, Université de Montréal, Montréal, Québec.

Topics: The topics covered will include: the Freiman-Ruzsa theorem, the structure of set theory addition, Gowers' approach to Szemerédi's theorem and Green and Tao's approach to combinatorial sets with structure. A mini-school will be organized before this workshop to introduce more people to this vibrant subject. More information will be made available on this site.

Lecturers: Tim Gowers (Cambridge), Ben Green (Cambridge), Imre Ruzsa (Alfréd Rényi Institute) and Terence Tao (UCLA).

Organizers: József Solymosi (UBC) and Andrew Granville (Montréal).

Information: <http://www.crm.umontreal.ca/Number2005/>.

May 2006

*13–18 **Analytic methods for Diophantine equations**, Banff International Research Station, Banff, Alberta, Canada.

Description: This meeting brings together the participants of the MSRI and CRM workshops. The meeting will be held at the Banff International Research Station.

Organizers: Andrew Granville (Montréal), Yuri Tschinkel (Göttingen), Michael Bennett (UBC), Chantal David (Concordia) and Bill Duke (UCLA).

Information: email: paradis@crm.umontreal.ca.

June 2006

*27–July 3 **International Commission on Mathematical Instruction: Challenging Mathematics In and Beyond the Classroom**, Trondheim, Norway.

Scope: The scope of this study will be wide. It will look at, for instance, the impact of mathematical challenges both inside and outside of the classroom, the role of mathematical challenges in supporting the curriculum for students of all levels of ability, vehicles for propagating mathematical challenges and assessment of their effectiveness. We would like to emphasize that we are interested in students and activities of all type, and want to go far beyond contests for talented students.

Discussion document: Has been prepared by an international committee chaired by Ed Barbeau of the University of Toronto (barbeau@math.utoronto.ca) and Peter Taylor of the University of Canberra in Australia who is the executive-director of the Australian Mathematical Trust (pjt@olympiad.org). This document defines terms, describes issues, provides sample situations, and poses questions for discussion. Finally, it indicates how to become involved in the Study Conference. Would-be participants will be asked to submit a brief curriculum vita and a 6-10 page document addressing matters relevant to the study no later than August 31, 2005. The committee plans to send out invitations by January 31, 2006. The Conference will be followed by a publication.

A copy of the discussion document can be obtained by going to the website <http://www.amt.canberra.edu>, clicking on “LINKS” and then on “ICMI Study 16”.

Deadline: August 31, 2005.

Information: <http://www.amt.canberra.edu/icmis16.html/>.

July 2006

*10–14 **International Conference on Analytic Topology**, Lake Plaza Hotel, Rotorua, New Zealand.

Description: The main goal of this conference is to bring together a group of researchers from around the world, who are working at the interface between Topology and Analysis, to discuss recent developments and future directions of Analytic Topology.

Organizers: Warren B. Moors (Auckland University, email: moors@math.auckland.ac.nz); and Jiling Cao (Auckland University, email: cao@math.auckland.ac.nz).

Information: <http://www.math.auckland.ac.nz/~cao/conference06.html>.