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# Mathematics Calendar

Please submit conference information for the Mathematics Calendar through the Mathematics Calendar submission form at <http://www.ams.org/cgi-bin/mathcal-submit.pl>. The most comprehensive and up-to-date Mathematics Calendar information is available on the AMS website at <http://www.ams.org/mathcal/>.

## February 2008

\* 1–12 **VIII Edition of the Russian Winter Diffiety School**, Kostroma, Russia.

**Description:** The aim of the school is to introduce undergraduate and graduate students in Mathematics and Physics to a recently emerged area of mathematics and theoretical physics: Secondary Calculus. Secondary calculus is the result of a natural evolution of the classical geometrical theory of partial differential equations (PDE) originated by Sophus Lie. In particular, it allows the construction of a general theory of PDE, in the same manner as algebraic geometry does with respect to algebraic equations. There are strong indications that secondary calculus may become a natural language for quantum field theory, just in the same way as standard calculus is for classical physics. From the mathematical point of view, secondary calculus is a complex mathematical construction putting into a natural interrelation many parts of modern mathematics such as commutative and homological algebra, algebraic and differential topology, differential geometry, etc.

**Information:** <http://school.diffiety.org/index.html>.

\* 11–16 **Conference on Commutative, Combinatorial and Computational Algebra in Honour of Pilar Pisón-Casares**, Facultad de Matemáticas, Universidad de Sevilla, Sevilla, Spain.

**Programme Committee:** A. Dickenstein, D. Eisenbud, G.-M. Greuel, L. Narváez Macarro, B. Sturmfels, E. Briaies, A. Campillo, F. J. Castro, J. González-Meneses, I. Ojeda, R. Piedra, J. L. Vicente, A. Vigneron.

**Poster Sessions:** Registered participants will have the opportunity to present their mathematical work in the form of a poster. A

poster presentation at the Congress will be considered, provided that participants: (a) Have registered by December 10, 2007. (b) Have submitted (to [emilio@us.es](mailto:emilio@us.es)) an abstract by that date. (c) Their contribution has been accepted by the Scientific Committee.

**Information:** Contact: Departamento de Algebra, Facultad de Matemáticas, Universidad de Sevilla, Aptdo. de Correos 1160, E-41080-Sevilla, Spain; email: [secalg@algebra.us.es](mailto:secalg@algebra.us.es); phone: + 34 954 556946; fax: + 34 954 556938; <http://www.departamento.us.es/da/actividades/ciacc.htm>.

\* 16–18 **University of California Lie Theory Workshop in honour of Georgia Benkart**, University of California, San Diego, California.

**Speakers:** Susan Montgomery, Edward Frenkel, Vera Serganova, Joseph Wolf, Arun Ram, Vyacheslav Futorny, Helmut Strade, Alberto Elduque, Seok-Jin Kang, Bertram Kostant, Yuri Bahturin, Tom Halverson, Dan Britten, Kailash Misra, Sara Witherspoon.

**Organizers:** Geoff Mason, Susan Montgomery, Joseph Wolf, Milen Yakimov, Lance Small, Nolan Wallach, Hans Wenzl, Efim Zelmanov.

**Information:** <http://www.math.ucsd.edu/~jfarina/gbconf>.

\* 22–23 **Workshop in Celebration of Mark Green's 60th Birthday: Hodge Theory and Algebraic Geometry**, UCLA, Los Angeles, California.

**Description:** This workshop will focus on recent work by a number of distinguished researchers in Hodge theory and algebraic geometry. It is also an opportunity to recognize Mark Green's contributions to mathematics. (Dinner Honoring Mark Green: Friday, February 22: IPAM and the UCLA department of mathematics will host a dinner

**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](mailto:notices@ams.org) or [mathcal@ams.org](mailto: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/>.

for those who wish to join the organizers to celebrate Dr. Green's contributions to the field, to UCLA, and to IPAM).

**Organizers:** David Gieseke, David Eisenbud, Phillip Griffiths, and Stan Osher.

**Information:** Limited financial support may be available for graduate students and postdocs to attend the workshop. Applications received by January 10, 2008, will receive fullest consideration. If you don't intend to apply for funding, you may simply register. The application/registration form is available online at <http://www.ipam.ucla.edu/programs/ht2008/>. Please check the webpage for more information.

## March 2008

\* 11–14 **Optimal Transport Tutorials**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California.

**Description:** Tutorials provide an introduction to the relevant problems and concepts from mathematics, physics, biology, engineering, economics, and other disciplines, and their applications. The goal is to familiarize participants with the issues and techniques involved in Optimal Transport and to create a common language among researchers coming from different fields.

**Organizing Committee:** Andrea Bertozzi, Yann Brenier, Wilfrid Gangbo, Peter Markowich, Jean-Michel Morel.

**Application/Registration:** An application/registration form is available at <http://www.ipam.ucla.edu/programs/ottut/>. The application part is for people requesting financial support to attend the workshop. If you don't intend to do this, you may simply register. Applications received by January 28, 2008, will receive fullest consideration. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM's mission and we welcome their applications.

**Information:** <http://www.ipam.ucla.edu/programs/ottut/>.

## April 2008

\* 3–4 **Logic and the Simulation of Interaction and Reasoning (Symposium at the AISB 2008 Convention "Communication, Interaction and Social Intelligence")**, Aberdeen, Scotland.

**Description:** In the past years, logicians have become more and more interested in the phenomenon of interaction. The area "logic and games" deals with the transition from the static logical paradigm of formal proof and derivation to the dynamic world of intelligent interaction and its logical models. While these interactive aspects are relatively new to logicians, on a rather different level, modelling intelligent interaction has been an aspect of the practical work of computer game designers, researchers in artificial intelligence, robotics, and human-machine interaction for a long time. Our symposium will explore the possibilities of joining the theoretical approach to interaction and communication with the practical approach to simulating behaviour.

**Deadline:** For Submission of Papers: January 9, 2008.

**Information:** [http://www.illc.uva.nl/GLoRiClass/index.php?page=8\\_1](http://www.illc.uva.nl/GLoRiClass/index.php?page=8_1).

\* 7–8 **DIMACS Workshop on Climate and Disease**, DIMACS Center, CoRE Building, Rutgers University, Piscataway, New Jersey.

**Short Description:** Climate and infectious diseases: a dynamical perspective. The latest IPCC report has strongly confirmed that the climate is changing. The present and future impact of climate change on infectious disease dynamics remains an important, but still controversial subject. Malaria is a major example of a public health burden around the tropics with the potential to significantly worsen in response to climate change; temperature as a limiting factor for the pathogen, and temperature and rainfall play a crucial role in determining the population dynamics of its mosquito vector. Similar concerns apply to other vector-borne and water-borne diseases, particularly given the existing evidence for the role played by climate at seasonal and inter-annual time scales (e.g. ENSO). This workshop will explore the boundaries of current

knowledge and in particular will examine what role theory and mathematical (epidemiological) models can play in advancing the understanding and prediction of the coupling between two highly nonlinear phenomena: climate and infectious disease dynamics.

**Organizers:** Benjamin A. Cash, Center for Ocean-Land-Atmosphere Studies, [bcash@cola.iges.org](mailto:bcash@cola.iges.org); Andrew Dobson, Princeton University, [dobber@princeton.edu](mailto:dobber@princeton.edu); Jim Kinter, Center for Ocean-Land-Atmosphere Studies, [kinter@cola.iges.org](mailto:kinter@cola.iges.org); Mercedes Pascual, University of Michigan, [pascual@umich.edu](mailto:pascual@umich.edu).

**Information:** <http://dimacs.rutgers.edu/Workshops/Climate/>.

\* 20–25 **The International Conference on Group and Related Topics**, Xuzhou Normal University, Xuzhou, P. R. China.

**Scientific Committee:** Chair: Z. X. Wan (Beijing). Members: V. A. Artamonov (Moscow), V. V. Bludov (Irkutsk), Yu. L. Ershov (Novosibirsk), K. Feng (Beijing), M. Ferrero (Brazil), Iain Gordon (Edinburgh), M. Jambu (France), L. Kazarin (Yaroslavl), Goansu Kim (Korea), A. S. Kondratiev (Ekaterinburg), M. Levchuk (Krasnoyarsk), A. A. Makhnev (Ekaterinburg), V. D. Mazurov (Novosibirsk), R. Meninicken (Germany), A. Yu. Olshanskii (USA and Moscow), J. L. G. Pardo (Santiago), L. Small (USA), L. A. Shemetkov (Gomel), N. T. Vorobèv (Vitebsk), J. Zhang (Beijing).

**Organizing Committee:** Chair: Fang-Ming Xu (President of Xuzhou Normal University). Vice-Chair: Wenbin Guo (Xuzhou), K. P. Shum (Hong Kong). Members: L. Bokut (Guangzhou), Y. Q. Guo (Chongqing), V. V. Kabanov (Russia), Ki-Bong Nam (USA), Shangzhi Li (Beijing), Z. K. Miao (Xuzhou), S. M. Shi (Beijing), W. J. Shi (Suzhou), A. N. Skiba (Gomel), Yanming Wang (Guangzhou), Mingyao Xu (Beijing).

**Information:** <http://www.grouptheory.cn>.

## May 2008

\* 11–12 **Clay Research Conference 2008**, MIT, Cambridge, Massachusetts.

**Description:** The program features eight lectures on recent research developments and the presentation of the Clay Research Awards.

**Confirmed speakers:** Helmut Hofer, Assaf Naor, Rahul Pandharipande, and Scott Sheffield.

**Information:** The full program will be announced at a later date on the CMI website: <http://www.claymath.org>. In addition, please see CMI's website for details of last year's program.

\* 16–18 **PhiMSAMP-3: "Is Mathematics Special"**, Universität Wien, Vienna, Austria.

**Description:** This conference is an encounter of researchers from different fields interested in the question What makes mathematics special (if anything). Even if mathematics presents itself or is presented as a (quasi-)empirical matter, the status of an epistemic exception that mathematics forms among the sciences asks for explanations. Papers are welcome from scholars of all disciplines, especially philosophy, mathematics, sociology, didactics, logic, epistemology, and the historical sciences. The conference language is English.

**Information:** For questions concerning local organization please contact: Stefan Götz ([stefan.goetz@univie.ac.at](mailto:stefan.goetz@univie.ac.at)), Esther Ramharter ([esther.ramharter@univie.ac.at](mailto:esther.ramharter@univie.ac.at)).

**Information:** <http://phaidon.philo.at/~phimsamp-3/>.

\* 26–30 **Congrès à la mémoire d'Adrien Douady**, Institute of Henri Poincaré, Paris, France.

**Description:** This conference is dedicated to those fields most strongly marked by Adrien's work: complex analytic geometry and holomorphic dynamics. Many of the talks will focus on Adrien's influence on these subjects as well as some of the more recent results.

**Information:** <http://www.picard.ups-tlse.fr/adrien2008/>.

## June 2008

- \* **3–6 Chaotic Modeling and Simulation International Conference (CHAOS2008)**, MAICH (Mediterranean Agronomic Institute of Chania) Conference Centre, Chania, Crete, Greece.

**Description:** The forthcoming International Conference (Chaos2008) will focus on Chaotic Modeling, Simulation and Applications (<http://www.asmda.net/chaos2008>). The study of nonlinear systems and dynamics has emerged internationally as a major area of interdisciplinary research over the last two decades. This conference is intended to provide a widely selected forum among scientists and engineers to exchange ideas, methods, and techniques in the field of nonlinear dynamics, chaos, fractals and their applications in general science and in engineering sciences. Chaos2008 Conference provides a forum for bringing the various groups working in the area of nonlinear systems and dynamics, chaotic theory and application on a single platform for exchanging views and reporting research findings.

**Information:** <http://www.asmda.net/chaos2008>.

- \* **8–14 34th International Conference “Applications of Mathematics in Engineering and Economics” (AMEE’08)**, The Black Sea resort of Sozopol, Bulgaria.

**Description:** The main goal of AMEE’08 is to bring together experts and young talented scientists from Bulgaria and world-wide to discuss the modern trends and to ensure exchange of views in various applications of mathematics and mathematical models in engineering, physics, economics, biology, etc. Keeping the main topics of the previous AMEE conferences and the big success of AMEE’07 the next issue of the Conference will be subject again to the motto “Nonlinear Phenomena—Mathematical Theory and Environmental Reality”.

**Information:** <http://www.tu-sofia.bg/fpmi/amee/index.html>.

- \* **10–14 Summer Symposium in Real Analysis XXXII**, Chicago State University, Chicago, Illinois.

**Description:** Chicago State University and the Real Analysis Exchange will host the Summer Symposium in Real Analysis XXXII. The Summer Symposia are devoted to all aspects of real analysis. This Symposium will highlight the contributions of Clifford Weil, who recently retired from Michigan State University. The program includes hour long talks by Zoltan Buczolich (Budapest), Michael Evans (Lexington) and Hajrudin Fejzic (San Bernardino). In addition to the principal lectures we have a number of slots set aside for twenty-minute talks. Young researchers are particularly encouraged to present their work. There will also be a session in which open problems will be posed.

**Information:** <http://www.stolaf.edu/people/analysis/>.

- \* **15–28 Aspects of Moduli**, de Giorgi Center; Scuola Normale Superiore, Pisa, Italy.

**Description:** We are organizing a workshop and conference to be held June 15–28 at the de Giorgi Center at the Scuola Normale Superiore in Pisa, Italy. This activity is meant to offer a wide view of many aspects of the field. It will split into two parts. The first week will consist of a summer school, aimed at Ph.D. students and beginning researchers, featuring lecture courses by Valery Alexeev, Kai Behrend, Tom Bridgeland, Alessio Corti, and Martin Olsson. During the second week, a conference on recent advances will take place.

**Information:** <http://math.stanford.edu/~vakil/pisa>.

- \* **22–August 22 Research in Industrial Projects for Students (RIPS)**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California.

**Description:** The RIPS Program offers high-achieving undergraduate students the opportunity to work in teams on a real-world research project proposed by a sponsor from industry or a national lab. The students receive direction from a faculty mentor, who is in residence at IPAM, and an industry mentor, who provides

regular contact between the team and the sponsor. Ultimately, RIPS provides valuable real-world technical and managerial experience for students as well as valuable R&D for sponsors.

**Financial Support:** All participating students receive travel reimbursement, housing, most meals, and a stipend.

**Application:** Eligible applicants include undergraduate students and recent graduates (December 2007 or May/June 2008). International students are also eligible. Applications are available on <http://www.ipam.ucla.edu/programs/rips2008/> and are due February 15, 2008. Please send questions to: [rips2008@ipam.ucla.edu](mailto:rips2008@ipam.ucla.edu).

**Information:** <http://www.ipam.ucla.edu/programs/rips2008/>.

- \* **23–27 Conference on Differential and Difference Equations and Applications 2008 (CDDEA 2008)**, Strečno (close to Žilina), Slovak Republic.

**Description:** The Faculty of Science of University of Žilina organizes traditional conference on Differential and Difference Equations and Applications 2008 (CDDEA 2008) on the occasion of the 10th anniversary of the establishing of faculty of science.

**Topics:** The following sections are planned: Ordinary differential equations; functional differential equations, difference equations and dynamic equations on time scales, partial differential equations, numerical methods in differential and difference equations.

**Information:** <http://www.fpv.uniza.sk/cddea/>.

## July 2008

- \* **2–11 S3CM: Soria Summer School on Computational Mathematics: “Algebraic Coding Theory”**, Campus “Duques de Soria”, Universidad de Valladolid, Soria, Spain.

**Description:** The S3CM: Soria Summer School on Computational Mathematics: “Algebraic Coding Theory” is an international school mostly intended for Ph.D. students and postdocs working on applied algebraic geometry or commutative algebra and coding theory. The meeting will consist of two independent blocks. The first one with one course and the second one with three main courses. Also, there will be afternoon working sessions where interested postgraduate students can show their work in progress.

**Information:** <http://www.ma.uva.es/~s3cm>.

- \* **3–5 8th Conference on Logic and the Foundations of Game and Decision Theory (LOFT 2008)**, Universiteit van Amsterdam, Amsterdam, The Netherlands.

**Description:** This is the eighth in a series of conferences on the applications of logical methods to foundational issues in the theory of individual and interactive decision-making. Preference has been given to papers which bring together the work and problems of several fields, such as game and decision theory, logic, computer science and artificial intelligence, philosophy, cognitive psychology, mathematics and mind sciences. LOFT 2008 will be held at the Universiteit van Amsterdam hosted by the Institute for Logic, Language and Computation (ILLC) in from Thursday July 3 to Saturday July 5, 2008.

**Invited Speakers:** Cristina Bicchieri, University of Pennsylvania, United States of America; Tom Henzinger, École Polytechnique Fédérale de Lausanne, Switzerland; Christian List, London School of Economics, United Kingdom; Hervé Moulin, Rice University, United States of America; Nicole Schweikardt, Humboldt-Universität zu Berlin, Germany; Wolfgang Spohn, Universität Konstanz, Germany.

**Information:** <http://www.illic.uva.nl/LOFT2008/>.

- \* **6–19 38th International Probability Summer School**, Saint-Flour, France.

**Description:** Three courses will be given: R. Kenyon, Dimers and random surfaces; V. Koltchinskii, Oracle inequalities in empirical risk minimization and sparse recovery problems; Y. Le Jan, Markovian paths, loops and fields. Participants will also have the possibility to give a short lecture about their work.

**Information:** <http://math.univ-bpclermont.fr/stflour/>.

\* **9-13 NSF-CBMS Conference: Knots and Topological Quantum Computing**, University of Central Oklahoma, Edmond, Oklahoma.  
**Description:** In 1997, Freedman and Kitaev proposed a topological model of a quantum computer that performs computations by encoding information in the configurations of braids. These computers offer the promise of error rates many orders of magnitude lower than any other quantum computation scheme to date. In a series of ten lectures, Zhenghan Wang will cover the theoretical foundations of the field of topological quantum computing, the progress that has been made over the last decade, and the future challenges. In addition, Ara Basmajian will give a series of related lectures on knots and their invariants. No background in knot theory, quantum computing, or quantum physics will be assumed. Travel funds will be available to deter the expenses of participants. Advanced undergraduates, graduate students, junior faculty, women, minorities, and persons with disabilities are especially encouraged to participate and to apply for support.  
**Information:** <http://www.math.ucok.edu/cbms/cbms.html>.

\* **14-18 Efficient Monte Carlo: From Variance Reduction to Combinatorial Optimization. A Conference on the Occasion of R. Y. Rubinstein's 70th Birthday**, Sandbjerg Estate, Sønderborg, Denmark.  
**Description:** This conference is intended to celebrate Professor Rubinstein's 70th birthday by bringing together many of these international researchers in modern Monte Carlo methods. Professor Rubinstein has significantly advanced (or even established) the theory and application of adaptive importance sampling, rare event simulation, randomized optimization, stochastic optimization, sensitivity analysis, the score function method, stochastic counterpart method, and recently the popular cross-entropy method (see <http://www.cemethod.org>). Currently he is pursuing important research in optimization and counting problems concerning #P complete problems.  
**Organizing Committee:** S. Amussen (Aarhus, Chair), P. W. Glynn (Stanford), J. Kreimer (Beer Sheeva), D. P. Kroese, Brisbane.  
**Deadline:** May 1, 2008.  
**Information:** <http://www.thiele.au.dk/Rubinstein/>.

\* **14-25 IPAM/CCB Summer School: Mathematics in Brain Imaging**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California.  
**Description:** This summer program will focus on mathematical techniques used to measure, map and model brain structure and function.  
**Topics:** Will include modeling anatomical structures in MRI scans, mapping connectivity in diffusion tensor images, and statistical analysis of functional brain images. Current applications in radiology and neuroscience will be highlighted, as will new directions in the mathematics of structural and functional image analysis.  
**Organizing Committee:** Michael Miller, Thomas Nichols, Russell Poldrack, Jonathan Taylor, Paul Thompson, Keith Worsley.  
**Application/Registration:** An application/registration form is available at: <http://www.ipam.ucla.edu/programs/mbi2008/>. If you don't intend to request financial support, you may simply register. Applications received by April 1, 2008, will receive fullest consideration. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM's mission and we welcome their applications.  
**Information:** <http://www.ipam.ucla.edu/programs/mbi2008/>.

\* **21-25 Fourteenth International Conference of Difference Equations and Applications**, Besiktas Campus of Bahcesehir University on the European shore of the Bosphorus in Istanbul, Turkey.  
**Description:** The purpose of ICDEA08 is to bring together both experts and novices in the theory and applications of difference equations and discrete dynamical systems. The main theme will be dynamic equations on time scales.  
**Main Speakers:** Will be experts chosen from the many areas of

difference equations, broadly defined, and experts on discrete dynamical systems and their interplay with nonlinear science. Contributed talks in any area of difference equations are welcome and will be considered.

**Organizing Committee:** M. Ünal (Chair), M. Bohner (Co-Chair), O. Çelebi, G. Ladas, A. Tiryaki, A. Zafer.

**Scientific Committee:** M. Bohner (Chair), Z. Dosla (Co-Chair), S. Elaydi, M. Gürses, G. Guseinov, B. Kaymakçalan, P. Kloeden, W. Kratz, D. Lutz, J. Mawhin, D. O'Regan, A. Peterson, A. Sharkovsky, G. Teschl. The conference will be held under the auspices of the International Society of Difference Equations.

**ISDE Advisory Committee:** K. Nishimura (Chair), A. Ruffing (Co-Chair), H. Oliveira, R. Sacker.

**Information:** <http://icdea.bahcesehir.edu.tr>.

## August 2008

\* **4-15 20th European Summer School for Logic, Language and Information (ESSLI 2008)**, Universität Hamburg, Freie und Hansestadt, Hamburg, Germany.  
**Description:** The European Summer School in Logic, Language and Information (ESSLI) is organized every year by the Association for Logic, Language and Information (FoLLI) in different sites around Europe. The main focus of ESSLI is on the interface between linguistics, logic, and computation. ESSLI offers foundational, introductory, and advanced courses, as well as workshops, covering a wide variety of topics within the three areas of interest: Language and Computation, Language and Logic, and Logic and Computation. Previous summer schools have been highly successful, attracting up to 500 students from Europe and elsewhere. The school has developed into an important meeting place and forum for discussion for students and researchers interested in the interdisciplinary study of Logic, Language, and Information. ESSLI 2008 will offer almost 50 courses and host ten research workshops as part of the FoLLI Research Workshop Convention.  
**Information:** <http://www.illc.uva.nl/ESSLI2008/>.

\* **4-18 ESSLI 2008 Student Session**, Hamburg, Germany.  
**Description:** The aim of the Student Session is to give an opportunity to students at all levels (Bachelor-, Master- and Ph.D.-students) to present and discuss their work in progress with a possibility to get feedback from senior researchers. Each year, 18 papers are selected for oral presentation and a number of others for poster presentation. The programme committee invites submissions of papers for oral and poster presentation and for appearance in the proceedings. We welcome submissions with topics within the areas of Logic, Language, and Computation.  
**Submission deadline:** February 15, 2008.  
**Information:** More submission details and all relevant information at: <http://staff.science.uva.nl/~kbalogh/StuS13>.

\* **5-9 Building Bridges**, Renyi Institute of Mathematics, Budapest, Hungary.  
**Description:** Laci Lovász turns sixty in 2008. To celebrate his enormous contribution to Discrete Mathematics and Algorithm theory, in general, and connecting Combinatorics and Computer Science in particular, with various other fields of mathematics, The János Bolyai Mathematical Society, the Eötvös Lóránd University and the Alfréd Rényi Institute of Mathematics organize an international workshop entitled Building Bridges. There will be only invited talks. The Program Committee has put together a list of outstanding mathematicians and computer scientists with the aim to create a scientific program (almost) on a par with Laci's research achievements.  
**Information:** <http://www.renyi.hu/conferences/1160>.

\* **11-15 Fete of Combinatorics and Computer Science**, Keszthely, Lake Balaton, Hungary.  
**Description:** This conference immediately follows the international workshop Building Bridges. which is dedicated to celebrate the

60th birthday of Laci Lovász.

**Main topics:** Discrete Mathematics and Theoretical Computer Science, in general, Graph Theory, Combinatorics, Applications of Graph Theory, Algorithms.

**Organizers:** The János Bolyai Mathematical Society, the Eötvös Lóránd University, and the Alfréd Rényi Institute of Mathematics.

**Information:** <http://www.renyi.hu/conferences/comb08>.

- \* 18–22 **International Conference on Ring and Module Theory**, Hacettepe University, Ankara, Turkey.

**Description:** International conference on ring and module theory. Deadline for submission of an abstract is May 1, 2008.

**Information:** <http://www.algebra2008.hacettepe.edu.tr>.

- \* 25–29 **International Conference Approximation & Computation**, Faculty of Electronic Engineering, University of Nis, Nis, Serbia.

**Description:** Conference is dedicated to the 60th anniversary of professor Gradimir V. Milovanovic, corresponding member of the Serbian Academy of Sciences and Arts. It will be devoted to Numerical and Symbolic Computation and Approximation Theory. In particular, the following topics will be included: Orthogonal polynomials and systems, interpolation and quadrature processes, iterative processes for equations, polynomials (extremal problems, inequalities, zeros), approximations by polynomials and splines and related inequalities.

**Information:** <http://euler.elfak.ni.ac.yu/appcom08>.

- \* 25–29 **Dynamics Days Europe 2008**, TU Delft, The Netherlands.

**Information:** <http://www.dd2008.ewi.tudelft.nl/>.

## September 2008

- \* 1–5 **Conference in Numerical Analysis (NumAn 2008) recent approaches to numerical analysis: Theory, methods and applications honoring Richard S. Varga on his 80th birthday**, Kalamata, Greece.

**Description:** The aims of the conference are: (1) to bring together and bequeath scientific activities, directions and pursuits of scientists on subjects that pertain to the conference, (2) to foster an exchange of views and ideas, (3) to study the theoretical background required for methods, algorithms and techniques used in applications, (4) to search directions of theoretical results towards applications, (5) to highlight open problems and future directions of numerical analysis.

**Information:** <http://www.math.upatras.gr/numan2008/>.

- \* 8–12 **Long Program: Internet Multi-Resolution Analysis: Foundations, Applications and Practice**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California.

**Description:** The focus of this IPAM program will be on innovations and breakthroughs in the theoretical foundations and practical implementations of a network-centric multi-resolution analysis (MRA). Participants will learn about Internet MRA from the perspectives of mathematics, statistics, computer science, and engineering—and will meet a diverse group of people and have an opportunity to form new collaborations. There will be opening tutorials, four workshops, and a culminating workshop at Lake Arrowhead.

**Organizing Committee:** Paul Barford, John Doyle, Anna Gilbert, Mauro Maggioni, Craig Partridge, Matthew Roughan, and Walter Willinger.

**Application:** An application form is available at: <http://www.ipam.ucla.edu/programs/mra2008/>. Applications for individual workshops will be posted on individual workshop home pages. Encouraging the careers of women and minority mathematicians and scientists is an important component of IPAM's mission and we welcome their applications.

**Information:** <http://www.ipam.ucla.edu/programs/mra2008/>.

- \* 16–19 **Conference on Boundary Value Problems: Mathematical**

**Models in Engineering, Biology and Medicine**, University of Santiago de Compostela, Santiago de Compostela, Spain.

**Description:** The Conference on Boundary Value Problems, “Mathematical Models in Engineering, Biology and Medicine” tries to keep in touch some of the most relevant experts in these fields. It is prepared under the auspices of the International Federation of Nonlinear Analysts and is organized by the Nonlinear Analysis Group of the Department of Mathematical Analysis of the University of Santiago de Compostela.

**Topics:** Theory of differential and difference equations in a broad sense, with special attention to nonlinear and singular phenomena arising in the mathematical models that appear in engineering, biology and medicine.

**Information:** <http://www.usc.es/congresos/bvp2008/>.

- \* 22–28 **A joint conference of 5th Annual International Conference on Voronoi Diagrams in Science and Engineering and 4th International Kyiv Conference on Analytic Number Theory and Spatial Tessellations**, Drahomanov National Pedagogical University, Kyiv, Ukraine.

**Main topics:** a) Voronoi Diagrams. b) Fields in Pure Mathematics founded by Voronoi.

**Organizers:** Inst. of Mathematics of the NAS of Ukraine; Dragomanov Pedagogical University, Ukraine; Voronoi Diagram Research Center, Seoul, Korea; Inst. of Mathematics of the PAS, Warsaw, Poland; Steklov Mathematical Inst. of the RAS, Moscow, Russia.

**Registration deadline:** March 15, 2008. Abstract Submission deadline: March 22, 2008.

**Information:** email: [voronoi@imath.kiev.ua](mailto:voronoi@imath.kiev.ua); <http://www.imath.kiev.ua/~voronoi>.

## October 2008

- \* 6–10 **Conference on Arithmetic Algebraic Geometry on the occasion of Michael Rapoport's 60th birthday**, Universitaet Bonn, Bonn, Germany.

**Description:** The conference is an activity of the Sonderforschungsbereich Mainz/Bonn/Essen on Periods, Moduli Spaces, and Arithmetic of Algebraic Varieties, and is supported by the Hausdorff Center for Mathematics (Bonn).

**Information:** For further information, please see the conference web site: <http://aag-bonn08.sfb45.de>.