
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/>.

April 2008

- * 2–4 **Ischia Group Theory 2008 (3rd International Conference on Group Theory)**, Ischia (NA - Italy).

Information: <http://www.dmi.unisa.it/ischia2008/>.

- * 7–11 **Topics in PDE's and applications 2008**, University of Granada, Granada, Spain.

Courses: Luigi Ambrosio (Scuola Normale, Pisa), Fokker-Planck equations, Wasserstein gradient flows and Markov semigroups; Luis Caffarelli (Austin), Nonlinear problems involving integral diffusions; François Golse (École Polytechnique), Recent results on the periodic Lorenz gas; Pierre-Louis Lions (Collège de France, Paris), On mean field games; Horng-Tzer Yau (Harvard), Dynamics of Bose Gas and Gross-Pitaevskii equation.

Conferences: Yan Guo (Brown), Decay and continuity of the Boltzmann equation in bounded domains; Pierre-Emmanuel Jabin (Nice), Derivation of Vlasov equations from systems of interacting particles with singular forces; Frank Merle (Cergy-Pontoise), On interaction in the non integrable case for Generalized KdV.

Information: <http://www.ugr.es/~kinetic/PDE/>.

- * 28–May 4 **Geometry and Group theory**, Mathematics Institute, University of Strasbourg, France.

Description: Mini-courses and talks on group representations, asymptotic geometry, hyperbolic geometry, symmetric spaces, applications to number theory. Mini-courses by Marc Burger, Viktor Schroeder, Norbert A'Campo, Gabriele Link and Françoise Dal'Bo. Financial support for graduate students and new PhD's.

Information: <http://www-irma.u-strasbg.fr/article593.html>.

May 2008

- * 1–3 **Milestones in Computer Algebra (MICA 2008): A Conference in Honour of Keith Geddes' 60th Birthday**, Stonehaven Bay, Trinidad and Tobago.

Description: Keith Geddes' research has spanned the areas of numerical approximation, algebraic algorithms for symbolic computation, hybrid symbolic-numeric computation and the design and implementation of computer algebra systems. He is perhaps best known as co-founder of the Maple computer algebra system. Through his teaching, research and software, the work of Keith Geddes has touched millions of individuals. In honour of Keith Geddes' 60th birthday, the 40th year of his scientific career and the 20th anniversary of the founding of Maplesoft, a conference will be held May 1–3, 2008 near Scarborough, Tobago.

Information: <http://www.orcca.on.ca/conferences/mica2008;> Stephen.Watt@uwo.ca—.

- * 12–16 **Quasiconformal Mappings and Analysis on Metric Spaces. A conference in memory of Juha Heinonen**, University of Michigan, Ann Arbor, Michigan.

Description: Juha Heinonen was a leading figure in geometric function theory and contributed greatly to the theory of quasiconformal mappings and analysis on metric spaces. The conference will be dedicated to his legacy and new developments in the area.

Organizers: M. Bonk, T. Kilpeläinen, P. Koskela, S. Rohde, E.

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/>.

Saksman.

Information: <http://www.math.lsa.umich.edu/conferences/heinonen/>.

- * 14–16 **DIMACS/DyDAn Workshop on Internet Tomography**, DIMACS/DyDAn Center, CoRE Building, Rutgers University, Piscataway, New Jersey.

Short Description: A large-scale network such as the Internet is typically controlled by multiple entities, and it is not possible to directly obtain information about the internal characteristics. Desired internal characteristics include network structure and topology, loss rate and delay distribution, and the origin-to-destination traffic matrix, which are important for dynamic routing, optimized service provision, service level verification, and detection of anomalous or malicious behavior. Internet tomography is the study of methods for inferring unknown internal characteristics of large-scale networks on the basis of peripheral information that can be easily obtained. Tomography is made difficult by the heterogeneity and the largely unregulated structure of the Internet. Furthermore, one cannot rely on the cooperation of individual servers and routers. This workshop will address open research areas including: algorithms for placement of network monitors; space-efficient and time-efficient on-line algorithms to process even high volumes of traffic; machine-learning and statistical algorithms to analyze traffic patterns and detect anomalous behavior; algorithms for computing traffic flows and using results to better distribute network capacity and resources.

Organizers: Jasleen Kaur, University of North Carolina, jasleen@cs.unc.edu; Don Towsley, University of Massachusetts, towsley@cs.umass.edu; Walter Willinger, AT&T Labs-Research, walter@research.att.com.

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

Information: Presented under the auspices of the http://dimacs.rutgers.edu/SpecialYears/2007_AFI/. Special Focus on Algorithmic Foundations of the Internet and the <http://www.dydan.rutgers.edu/>; Center for Dynamic Data Analysis (DyDAn).

- * 22–24 **Interactions between Classical and Numerical Algebraic Geometry**, University of Notre Dame, Notre Dame, Indiana.

Description: The chief objective of this conference is to bring together researchers from classical and numerical algebraic geometry to spark joint efforts between these two communities. The intersection of these fields is ripe for growth fueled by joint work. Furthermore, this conference coincides with the 60th birthday of Andrew Sommese, Duncan Chair of Mathematics at the University of Notre Dame and one of the pioneers of the field. A secondary objective of this conference is to honor his achievements.

Speakers include: E. Allgower (Colorado State), M. Beltrametti (Genova), M. de Cataldo (SUNY Stony Brook), L. Goettsche (ICTP Trieste), T.Y. Li (Michigan State), C. Peterson (Colorado State), F.O. Schreyer (Saarbrücken), B. Shiffman (Johns Hopkins), J. Verschelde (Univ. of Illinois at Chicago), C. Wampler (General Motors), and J. Wisniewski (Warsaw). Grad students and postdocs, especially those from groups underrepresented in mathematics, are encouraged to attend and to apply for potential funding.

Information: <http://www.depaul.edu/~gbesana/interactions2008>; email: dabates@ima.umn.edu.

June 2008

- * 1–7 **ULTRAMATH 2008 Applications of Ultrafilters and Ultraproducts in Mathematics**, Pisa, Italy.

Description: The international Congress ULTRAMATH aims to present recent results in the whole spectrum of mathematics which are grounded on the use of ultrafilters and ultraproducts. Its main goals: Disseminate information about the various techniques related to the use of ultrafilters and ultraproducts, and their potential to attack open problems. Bring together researchers with

different backgrounds, and encourage their collaborations and interactions, especially on topics connecting different areas of mathematics.

Topics: The covered topics include (but are not limited to): Additive/combinatorial number theory; combinatorics, Ramsey theory, ergodic theory; algebra; geometry; general topology; measure theory; metric spaces; functional analysis; nonstandard methods; set theory and foundations.

Information: <http://www.dm.unipi.it/~ultramath>.

- * 2–6 **International conference on linear preservers and operator theory**, Faculté des Sciences, Université Moulay Ismail, Meknès, Morocco.

Description: The main themes of international conference on linear preservers and operator theory include linear preserver, local spectral theory, commutators, derivations and elementary operators.

Information: <http://maths.fs-umi.ac.ma/congresmath/>; email: bourhim@mat.ulaval.ca.

- * 2–13 **Motives, Quantum Field Theory, and Pseudodifferential Operators**, Boston University, Boston, Massachusetts.

Description: This ten-day conference will explore the rapidly developing relationships among motives, perturbative quantum field theory, and pseudodifferential operators. The first week of the conference will have introductory lectures on each of the three fields, and the second week will have introductory lectures on Hopf algebras and QFT. Both weeks will also have advanced lectures on research topics. Limited financial aid is available for graduate students, postdocs, and faculty with Ph.D.s awarded after 2005. Women and underrepresented minorities are encouraged to apply.

Information: <http://math.bu.edu/qftconference>.

- * 5–6 **Mini-Workshop: Entropies and Optimal Transport in Quantum Mechanics**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California.

Overview: In many important applications (such as ultra integrated solid state devices, or other applications in nanoscience) so called open quantum systems occur, which model the interaction of the particles not only with each other (electrostatically) but also with their environment. Typical questions that occur are existence of steady states, convergence to equilibria, and speed of convergence, which in some cases can be dealt with by exploiting the mathematical properties of the quantum entropy. Another important topic of the meeting is going to be the application of optimal mass transportation techniques to linear and nonlinear Schrödinger equations.

Organizer: Peter Markowich.

Application Registration: A registration form is available at <http://www.ipam.ucla.edu/programs/otws5/>. There is no registration fee for this two-day workshop.

Information: <http://www.ipam.ucla.edu/programs/otws5/>.

- * 9–14 **II International Summer School on Geometry, Mechanics and Control**, La Palma (Canary Islands), Spain.

Description: The school is oriented to young researchers, Ph.D. and postdoctoral students in mathematics, physics and engineering, in particular those interested in focusing their research on geometric reduction in mechanics and its applications and on stochastic mechanics. It is intended to present an updated view of the knowledge on some basic problems in these topics and bring to the participants open problems in the research area (in particular, related with applications) by specialized courses imparted by the best international scientists on the respective topics. This activity is a part of the Intensive Research Program “Geometric Mechanics and Control Theory” which will be held in 2008 in Spain.

Information: <http://webpages.u11.es/users/gmcnet/Summer-School08/home1.htm>.

- * 11–15 **3rd Conference on Analysis and Probability on Fractals**, Cornell University, Ithaca, New York.

Description: The purpose of this conference is to bring together mathematicians who are already working in the area of analysis and probability on fractals, and also graduate students and researchers from related areas who would like to learn more about it. Toward this end, the conference will include a mini-course intended to bring neophytes up to speed on the subject, starting with basic definitions and examples, and reaching to the frontiers of research.

Information: <http://www.math.cornell.edu/event/conf/fractals3/index.php>.

* 13–16 **8Th International Conference of Computational and Mathematical Methods in Science and Engineering CMMSE-2008**, Hotel Melia Galua, Manga del Mar Menor, Murcia, Spain.

Description: The 2008 Conference on Mathematical Methods in Science and Engineering Conference (CMMSE-2008), is the eighth of this conference series. CMMSE2008 aims to be a unifying, cross-cutting, interdisciplinary gathering, where specialists can have exposure to diverse fields and participate in special sessions different from but still close to their own interests.

Talks: Standard presentation: 30 minutes. Plenary presentations: 60 minutes.

Important Dates: Deadline for submission of extended Abstracts (3–4 pages): May 1, 2008. Notification of the acceptance/rejection of submitted contributions: May 7, 2008. Deadline for Special Issues submission: September 10, 2008.

Previous Conference: CMMSE-2007 Chicago.

Information: <http://www.uwm.edu/Dept/CIM/CMMSE/>.

Information: <http://www.usal.es/~CMMSE>; email: jvigo@usal.es.

* 15–24 **CIMPA Summer School Nonlinear Analysis and Geometric PDE**, The Conference Centre of Yerevan State University, Tsaghkadzor, Armenia.

Description: CIMPA and the Institute of Mathematics of Armenian National Academy of Sciences, in association with IMPRS Mathematics in the Sciences (Leipzig), Yerevan State University and the Royal Institute of Technology (Stockholm) are organizing a Summer School on Nonlinear Analysis and Geometric PDE.

Speakers: Luis A. Caffarelli (University of Texas at Austin, USA), The porous media equation and geometric methods in non linear PDE; Henri Berestycki (EHESS, Paris, France), Reaction-diffusion equations and propagation phenomena; Yann Brenier (CNRS, Univ. de Nice, France), Optimal transport, convection and magnetic relaxation; Stephan Luckhaus (Universität Leipzig, Germany), Minimal surfaces, free boundary problems and geometric measure theory; Nina Uraltseva (St. Petersburg State University, Russia), Regularity of free boundaries in Obstacle-type problems.

Language: English.

Information: <http://www.imprs-mis.mpg.de/CIMPA/>.

* 16–20 **15th Conference of the International Linear Algebra Society**, Westin Resort and Spa, Cancun, Mexico.

Description: The conference deals with all themes related to linear algebra; theory, applications, numerical aspects, and education. The program includes 14 plenary talks, 8 mini-symposia, and contributed talks. The conference proceedings will appear as a special issue of linear algebra and its applications.

Information: <http://star.izt.uam.mx/ILAS08>.

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Information: <http://star.izt.uam.mx/ILAS08>; email: star.izt.uam.mx/ILAS08.

* 23–27 **First Iberoamerican Meeting on Geometry, Mechanics, and Control**, Santiago de Compostela, Spain.

Description: The goal of this event is bringing together specialists and students working on Geometric Mechanics and Control Theory from Spain, Portugal and Latin America, in order to create new links and reinforce existing ones.

Information: <http://www.gmcnetwork.org/eia08>.

* 25–28 **VII Iberoamerican Conference on Topology and its Applications**, Valencia, Spain.

Topics: Set-Theoretical Topology, General Topology and Function Spaces, Topological Algebra and Topological Dynamics, Asymmetric Topology and Applied Topology, Topology for Functional Analysis.

Plenary Speakers: Gerald Beer, Fernando Hernández-Hernández, Jorge Galindo.

Invited Speakers: Antonio Fernández Carrión, Michael Hruák, Miguel Ángel Sánchez-Granero, Ángel Tamariz-Mascarua, José Valero.

Information: <http://cita.webs.upv.es>.

* 29–July 4 **The 8th Brauer Group Meeting, in honor of Adrian Wadsworth's 60th Birthday**, Colorado State University's Pingree Park Campus and Conference Center, Pingree Park, Colorado.

Description: Following the tradition of previous entries in the series, this is an informal conference on the Brauer group and related topics such as linear algebraic groups and valuation theory. The aim of the conference is both to give researchers in the field the opportunity to meet and exchange ideas, as well as give graduate students and postdocs the chance to get acquainted with the senior researchers in the area.

Information: <http://www.math.rice.edu/~klm1/pingree.html>.

* 30–July 4 **The European Consortium of Mathematics in Industry**, University College, London, United Kingdom.

Description: The biennial conference of the European Consortium for Mathematics in Industry which will be held in central London in 2008.

Plenary talks: The plenary talks will cover a wide range of applied mathematical topics and there will be a strong industrial presence particularly from the financial district in the City of London.

Themes: Highlighted themes of the meeting are: Socio-economic interactions, medicine, sport and leisure, uncertainty and risk, optimisation and control as well as more traditional industrial sectors.

Information: <http://www.ecmi2008.org/>.

July 2008

* 7–10 **The 2008 International Conference on Artificial Intelligence and Pattern Recognition (AIPR-08)**, Orlando, Florida.

Description: We invite draft paper submissions.

Deadline: The deadline for submissions is approaching very soon.

Information: The conference will be held at the same time and place where several other major events are taking place. The website contains more details: <http://www.promoteresearch.org/>; email: jeedward@gmail.com.

* 16–18 **Numerical Mathematics for Engineering Problems (NMEP)**, São Paulo, Brazil.

Topics (not limited to): Novel mesh/grid generation techniques for engineering problems; Efficient numerical methods for discretizing multiphysics continuum equations; New industrial applications of numerical mathematics. Numerical methods and algorithms with industrial applications; Mathematical/numerical formulation of engineering problems; Ideal algorithms for solving algebraic equations associated with multiphysics continuum equations; Effective software designs for multiphysics processes; Simulation of important multiphysics processes. For example, deposition of CO₂; Application of mathematics for modeling engineering problems; Modelling multiphase flow in process equipments such as pipelines;

Applications of the state of art simulators (such as Fluent, CFX, STAR-CD) for simulating important engineering processes.

Information: Workshop site: <http://ans.hsh.no/home/skk/Workshop/workshop.html>. Conference site: <http://www.icmc.usp.br/%7Ecse08/>; email: sanjaykhattri@gmail.com.

*25–31 **15th International Mathematics Competition for University Students**, Blagoevgrad, Bulgaria.

Description: Every participating university is invited to send several students and one teacher. Individual students are welcome. The competition is planned for students completing their first, second, third or fourth year of university education and will consist of 2 Sessions of 5 hours each. Problems will be from the fields of Algebra, Analysis (Real and Complex) and Combinatorics.

Language: The working language will be English.

Information: Although this is an individual event, the universities traditionally divide their participants into groups of four each. The number of students in the teams is, however, not fixed. The professor who accompanies the students is expected to be a member of the jury. Participants are invited to confirm their intention to participate, either by on-line registration or by e-mail, by the end of May 2008, providing the following information: University, City, Country; Leader of the team (name, e-mail address); Students (number); Mailing address; e-mail address; Fax. Visas: Participants from some countries will need a visa to enter Bulgaria. Please, contact your travel agent or the Bulgarian Consulate in your country for details. If necessary, the organizers will post formal invitations for participation in the competition. Further information: <http://www.imc-math.org.uk/>.

*28–August 1 **Generalizing theta correspondences**, American Institute of Mathematics, Palo Alto, California.

Description: This workshop, sponsored by AIM and the NSF, concerns extensions and applications of the method of theta correspondence, including a discussion of outstanding problems and future directions.

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

August 2008

*18–22 **Frames for the finite world: Sampling, coding and quantization**, American Institute of Mathematics, Palo Alto, California.

Description: This workshop, sponsored by AIM and the NSF, will be devoted to frame theory in finite dimensions with an emphasis on compressive sensing and quantization theory for frames.

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

*21–23 **20th International Congress of Jangjeon Mathematical Society**, Uludag University, Bursa, Turkey.

Description: The proposed conference aims to bring together all the researchers working in various fields of Mathematics, Mathematical Physics and related areas such as Analysis, Non-linear Analysis, Number Theory, p-adic Analysis, Special Functions, q-Analysis, Mathematical Physics and their applications.

Information: All the details of the conference can be followed at the web site <http://icjms20.uludag.edu.tr/>. Please contact cangul@uludag.edu.tr, hozden@uludag.edu.tr or inam@uludag.edu.tr for further requests. The full-text papers will be published at ASCM (Advanced Studies in Contemporary Mathematics) or PJMS (Proceedings of Jangjeon Mathematical Society) after the refereeing process.

*22–29 **Function Spaces, Differential Operators and Nonlinear Analysis**, University of Helsinki, Helsinki, Finland.

Description: As a continuation of the previous conferences held in Czech Republic, Finland and Germany, we are now organizing the 70th International Conference on function spaces, differential operators and nonlinear analysis. The conference celebrates twenty years of FSDONA conferences and will be organized between August

25–29, 2008 in Helsinki, Finland. The conference is preceded by a workshop, August 22–24, aimed especially at younger researchers.

Information: <http://mathstat.helsinki.fi/fsdona>; email: petteri.harjulehto@helsinki.fi.

*28–September 2 **12th Serbian Mathematical Congress**, Faculty of Science and Mathematics, University of Novi Sad, Serbia.

Description: The 12th Serbian Mathematical Congress is organized by the Department of Mathematics and Informatics (Faculty of Science and Mathematics, University of Novi Sad, Serbia) and the Mathematical Society of Serbia. The meeting has an international character and is open for all fields of mathematics.

Information: <http://www.im.ns.ac.yu/events/2008/smkongres/>.

September 2008

*8–12 **International Workshop on Orthogonal Polynomials and Approximation Theory 2008: In honor of Professor Guillermo López Lagomasino on his 60th Anniversary**, Universidad Carlos III de Madrid, Madrid, Spain.

Description: It is well known the increasing attention paid in the last decades to the theory of Orthogonal Polynomials. Numerous applications of these mathematical objects in different areas of mathematics like numerical integration, spectral methods, interpolation, combinatorics, mathematical physics, quantum physics, and approximation theory among others have been particularly relevant. The workshop will take place at Escuela Politécnica Superior of the Universidad Carlos III de Madrid, Leganés (Madrid).

Topics: Approximation theory, numerical analysis, in particular quadrature formulas, orthogonal polynomials and special functions, analytic properties and applications, integrable systems.

Information: email: hpijeira@math.uc3m.es; <http://www.uc3m.es/iwopa08>.

*19–26 **Harmonic Analysis and Approximations, IV (International Conference)**, Tsaghkadzor, Armenia.

Description: The Conference continues the series of International Conferences organized in Armenia (HAA I - Nor Amberd, 1998, HAA II - Nor Amberd, 2001, HAA III - Tsaghkadzor, 2005) which were attended by 177 participants from 19 countries. This conference is dedicated to the 80th anniversary of academician Alexandr Talalian. The program of the conference will consist of invited 50-minute plenary lectures and contributed 20-minute talks.

Speakers: The following mathematicians have agreed to give a plenary lecture at the conference: Sergey Konyagin (Russia), Thomas Korner (UK), Michael Lacey (USA), Konstantin Oskolkov (USA), Allan Pinkus (Israel), Vilmos Totik (USA), Przemyslaw Wojtaszczyk (Poland).

Information: <http://math.sci.am/conference/sept2008/conf.html>.

*27–29 **Discrete Analysis and Applications (Walsh-Fourier Series, Symbolic Sequences-Complexity and Cryptography)**, Department of Informatics, Aristotle University of Thessaloniki, Thessaloniki, Greece.

Description: The aim of this workshop is to focus on both theoretical-applied results and new potentialities of applications of Discrete Analysis. Special attention is given to Walsh-Fourier analysis, symbolic sequences analysis, complexity, non-linearity and cryptography.

Information: <http://web.auth.gr/DiscreteAnal08/>.

*29–October 3 **13th GAMM-IMACS International Symposium on Scientific Computing, Computer Arithmetic, and Verified Numerical Computations SCAN'2008**, El Paso, Texas.

Description: The conference continues the series of international SCAN symposia held under the joint sponsorship of GAMM (International Association of Applied Mathematics and Mechanics) and IMACS (International Association for Mathematics and Computers

in Simulation). These symposia have covered the numerical and algorithmic aspects of scientific computing, with a strong emphasis on verification of computed results, as well as on arithmetic, programming, and algorithmic tools for this purpose. Their objectives have been both to propagate current applications and research and to promote a greater understanding and increased awareness of the subject matters. SCAN 2008 strives to become a forum for the researchers of various fields in numerical verification to discuss many existing verification tools and approaches.

Information: <http://www.cs.utep.edu/interval-comp/scan08.html>; email: vladik@utep.edu.

October 2008

- * 9-11 **Algebra, Geometry and Mathematical Physics, Baltic-Nordic Workshop**, University of Tartu, Tartu, Estonia.

Description: The aim of this conference is to strengthen interaction between algebra, differential geometry and theoretical physics. The scope of conference includes the following topics: noncommutative geometry, operad and group theoretical methods, generalizations of Lie algebras, non-associative systems, quantum groups, Hopf algebras, categorical physics, integrable systems.

Information: email: viktor.abramov@ut.ee; <http://www.agmf.astralgo.eu/tartu08/>.

- * 22-23 **The Second Conference on Mathematical Sciences (CMS'2008)**, Department of Mathematics, Faculty of Science and Information Technology, Zarqa Private University, Zarqa 13110, Jordan.

Scope: Pure Mathematics, Applied Mathematics and Statistics and its Techniques.

Languages: Arabic or English.

Deadlines: For Abstract Submission: March 30th, 2008. Full Paper Submission: May 30th, 2008. Notification of Acceptance: July 31st, 2008.

Information: There is no registration fee. <http://www.zpu.edu.jo/cms/cms.htm>.

- * 22-24 **International Conference in Modeling Health Advances 2008**, San Francisco, California.

Description: To tackle these illnesses, the cooperation of modelers, mathematicians, statisticians, computer scientists, and others, and of researchers from the medical community is absolutely essential. Modeling is important because it gives important insight into the method of treatment. In the case of HIV/AIDS, for example, mathematical modeling indicated that a combination of both protease inhibitors and reverse transcriptase inhibitors would be far more effective than any one of these two drugs. The purpose of this conference is to bring all the people working in the area of epidemiology under one roof and encourage mutual interaction.

Information: <http://www.iaeng.org/WCECS2008/ICMHA2008.html>.

March 2009

- * 9-June 12 **Quantum and Kinetic Transport: Analysis, Computations, and New Applications**, Institute for Pure and Applied Mathematics (IPAM), UCLA, Los Angeles, California.

Overview: This long program will focus on the mathematical analysis, computational challenges and new applications of quantum and kinetic transport theory. Besides applied mathematicians, we will invite researchers in science and engineering, representing academic, national lab and industrial research.

Organizing Committee: Irene Gamba and Shi Jin (chairs), Eric Carlen, Pierre Degond, Frank Graziani, Karl Kempf, Dave Levermore, Peter Markowich, Stanley Osher, Christian Ringhofer, Marshall Slemrod.

Funding: We have funding especially to support the attendance of recent Ph.D.s, graduate students and researchers in the early stages of their career. Encouraging the careers of women and minority

mathematicians and scientists is an important component of IPAM's mission and we welcome their applications.

Application: Please apply online to request financial support to attend and participate for extended periods up to the entire length of the program. The application is available online.

Information: <http://www.ipam.ucla.edu/programs/kt2009/>.