
Mathematics Calendar

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

March 2007

- * 24–25 **59th midwest partial differential equations seminar**, University of Kentucky, Lexington, Kentucky.

Speakers: Pascal Auscher, University of Paris, XI; Tanya Christiansen, University of Missouri, Columbia; Marianne Korten, Kansas State University; Yanyan Li, Rutgers University; Arshak Petrosyan, Purdue University; Antônio Sá Barreto, Purdue University; Monica Visan, The Institute for Advanced Study; Yuxi Zheng, Pennsylvania State University.

Organizers: Russell Brown (Russell.Brown@uky.edu), Peter Hislop, John Lewis and Changyou Wang.

Information: <http://www.ms.uky.edu/~rbrown/midwpede07/>.

- * 28–30 **3rd International Symposium on Computational Intelligence and Intelligent Informatics**, Agadir, Morocco.

Description: While continuing to encourage high quality innovative papers, the SOC remains committed to facilitate encounters and exchanges among the top researchers in the field and rising stars. Indeed, the venue was chosen to enhance interaction between participants as well as give the events an appropriate setting.

Information: email: hbouzahir@yahoo.fr; <http://www.bmf.hu/conferences/isciii2007/>.

- * 29–April 3 **Curves, abelian varieties and their interactions**, University of Georgia, Athens, Georgia.

Aim: To review recent developments on curves, abelian varieties and their interactions, and to encourage new ones.

Speakers: Arnaud Beauville (Nice, France), Michel Brion (Grenoble, France), Lucia Caporaso (University of Rome-3, Italy), Sebastian Casalaina-Martin (Harvard University), Herb Clemens (Ohio State), Robert Friedman (Columbia University), Phillip A. Griffiths (Institute

for Advanced Study, Princeton), Matt Kerr (University of Chicago), Igor Krichever (Columbia University), Herbert Lange (Erlangen, Germany), David Lehavi (University of Michigan), Alina Marian (Yale University), Martin Olsson (University of California, Berkeley), Giuseppe Pareschi (University of Rome-2, Italy), Ravi Vakil (Stanford University), Alessandro Verra (University of Rome-3, Italy), Claire Voisin (University of Paris-7, France), Ilia Zharkov (Harvard University).

Organizers: Valery Alexeev and Elham Izadi.

Support: Support is available for graduate students and recent Ph.D.s to attend.

Information: <http://www.math.uga.edu/~valery/conf07/conf07.html>.

- * 31–April 2 **Learning Technologies and Mathematics Middle East Conference**, Sultan Qaboos University, Muscat, Sultanate of Oman.

Program: Invited lectures related to reforming the mathematics undergraduate curriculum, introduction of learning technologies into the classroom and their effects on undergraduate and graduate education, teacher training, e-learning, innovative methods of teaching, use of the web in the mathematics classroom, etc.

Deadlines: Abstracts and Early Registration: 15 February 2007

Financial Support: Depending on the availability of funds, the organizing committee may award some attendees financial support in terms of one or more of the following: Waiving the registration fees, and/or Providing local accommodations, and/or Providing limited support for travel expenses.

Information: Please visit the website <http://math.arizona.edu/~atp-mena/conference/>.

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/>.

April 2007

*9-14 **International conference: Modern Analysis and Applications (MAA 2007): Dedicated to the centenary of Mark Krein**, Odessa National I.I. Mechnikov University, Odessa, Ukraine.

Information: For information about the MAA 2007 consult the web site URL: <http://maa2007.onu.edu.ua> or contact the MAA 2007 Working Committee at maa2007@onu.edu.ua.

*10-13 **Random Matrices and Higher Dimensional Inference**, AIM Research Conference Center, Palo Alto, California.

Description: This workshop, sponsored by AIM and the NSF, concerns issues arising in high-dimensional inference that can be served by recent developments in random matrix theory. This follows on from an intensive program held at SAMSI (<http://www.samsi.info>) during this past academic year. This workshop at AIM will serve to sum up the program and set an agenda for future research in this area. We intend to have presentations by members of each of working groups from the SAMSI program. Each of these presentations will be followed by a discussion session in which open problems and future directions will be discussed. This will enable us to achieve our goal of, on the one hand, understanding clearly what has been achieved in each sub-area and seeing what interdisciplinary endeavors have been initiated and, on the other, setting an agenda for future work in this area.

Organizers: Peter Bickel, Christopher Jones, Helene Massam, and Don Richards.

Deadline: February 1, 2007.

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

*21-22 **Random Combinatorial Structures**, University of Nebraska-Lincoln, Lincoln, Nebraska.

Program: Nine plenary talks on various areas of probabilistic combinatorics.

Organizers: Jamie Radcliffe, Jonathan Cutler (UN-L).

Speakers: Béla Bollobás, Prasad Tetali, Alan Frieze, Boris Pittel, Zoltán Füredi, Paul Balister, Catherine Yan, József Balogh and Joshua Cooper.

Information: racs@math.unl.edu; <http://www.math.unl.edu/pi/events/racs>.

May 2007

*7-12 **New Trends in Complex and Harmonic Analysis: an International Conference on Analysis and Mathematical Physics**, University of Bergen (UiB), Norwegian University of Science and Technology (NTNU), Voss, Norway.

Description: The purpose of the conference is to bring together specialists in analysis with experts in mathematical physics, mechanics and adjacent areas of applied sciences and numerical analysis. The participants will present their results and discuss further developments of the frontier research exploring the bridge between complex, real analysis, potential theory, PDE and modern topics of fluid mechanics and mathematical physics. The conference will feature invited expository 1-hour lectures, 45-min. talks and short 25-min. communications.

Invited speakers: J. M. Anderson (London), D. Ch. Chang (Washington, DC), A. Eremenko (West Lafayette), H. Hedenmalm (Stockholm), D. Khavinson (Tampa), P. Malliavin (Paris), L. Pastur (Kharkov), S. P. Novikov (College Park), A. Olevskii (Tel-Aviv), Ch. Pommerenke (Berlin), D. Prokhorov (Saratov), M. Sodin (Tel-Aviv), L. Takhtajan (Stony Brook), X. Tolsa (Barcelona), P. Wiegmann (Chicago).

Information: <http://analysis2007.uib.no>.

*20-21 **8th Colloquium of Algebra and Number Theory**, Faculty of Maths USTHB, Babezzouar, Algiers/Algeria.

Organizers: Department of Algebra and Number Theory, Faculty of Mathematics, University of Sciences and Technology Houari Boumedienne

Topics: Umbral calculus and applications, number theory and applications, elliptic functions, modular forms and applications, multi-valued maps and applications, algebraic manifolds, elliptic curves and applications, combinatorics, cryptography, coding theory and algorithmics.

Important dates: Registration: January 10th to March 10th, 2007. Abstract submission deadline: March 10th, 2007. Paper submission deadline: April 10th, 2007.

Information: Contact: M.O. Hernane, mhernane@usthb.dz; <http://www.usthb.dz>.

*20-23 **IMST2007-FIMXV: Fifteenth International Conference of Forum for Interdisciplinary Mathematics on Interdisciplinary Mathematical and Statistical Techniques**, Shanghai Institute of Advanced Studies, University of Science and Technology of China, Shanghai, China.

Theme: The major concentration of the conference's academic activities will be in mathematical and statistical sciences including, but not limited to, Actuarial and Financial Mathematics, Statistics and Applications, Biostatistics, Combinatorics, Computer and Information Sciences, Distribution Theory, Econometrics and Mathematical Economics, Environmental Statistics, Experimental Designs, Extreme Values, Graph Theory, Linear Statistical Inference, Mathematics, Multivariate Statistics, Nonparametric Statistical Inference, Operations Research, Probability/Stochastic Processes, Public Health, Quality Control, Reliability and Life Testing, Sampling, partner areas. Those wishing to contribute outside these areas are welcome to submit their abstracts.

Information: <http://imst2007.southalabama.edu/>.

*24-26 **Geometry Operator Theory and Applications**, Faculty of Sciences, Oujda, Morocco.

Speakers: P. Aiena (Palermo, Italy), B. Aqzzouz (Kenitra, Morocco), C. Badea (Lille, France), A. Baklouti (Monastir, Tunisia), M. Berraa (Marrakech, Morocco), N. Boudi (Meknes, Morocco), M. Boumazgour (Agadir, Morocco), Raul E. Curto (Iowa, USA), M. Elhouari (Lille, France), Y. Hantout (Lille, France), A. Kaidi (Almeria, Spain), M. Mbekhta (Lille, France), B. Ndombol (Dschang, Cameroon), Peralta (Granada, Spain), H. Queffelec (Lille, France), Y. Rami (Meknes, Morocco), A. M. Rodrigues (Seville, Spain), F. Leon Saavedra (Cadiz, Spain), J.-C. Thomas (Angers, France), A. M. F. H. Vasilescu (Lille, France), A. Zeghib (E.N.S. Lyon, France), E. H. Zerouali (Rabat, Morocco).

Deadline: Of inscription: February 28, 2007.

Information: <http://sciences1.ump.ma/>.

*27-30 **Third Symposium on Analysis and PDEs**, Purdue University, West Lafayette, Indiana.

Description: The Symposium will focus on recent developments in Partial Differential Equations and their applications. It is intended to introduce prospective and young researchers to a larger mathematical community and help them to establish professional connections with key figures in their areas of interest. It will also provide an opportunity to summarize some of the most recent progress in the fields, exchange ideas towards the solution of open questions, and formulate new problems and avenues of research.

Support: Some funds are available to help support the participation of graduate students, postdoctoral faculty, and active senior researchers who do not have grant support. We especially encourage people who belong to currently underrepresented groups (women and minorities) to apply.

Information: <http://www.math.purdue.edu/~danielli/symposium.html>.

*28-June 1 **Polya-Schur-Lax problems: hyperbolicity and stability preservers**, AIM Research Conference Center, Palo Alto, California.

Description: This workshop, sponsored by AIM and the NSF, will be devoted to bringing together researchers working on the following topics and their interplay: Polya-Schur problems: classification of linear preservers of polynomials and entire functions in one or

several variables with prescribed zero sets. Lax-type problems: determinantal representations of multivariate Garding-hyperbolic polynomials and related objects. Properties and applications of stable polynomials and polynomials with the half-plane property.

Organizers: Julius Borcea, Petter Branden, George Csordas, and Victor Vinnikov.

Deadline: March 1, 2007.

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

* 30–June 2 **The Fifth International Conference on Dynamic Systems and Applications**, Morehouse College, Atlanta, Georgia.

Topics: Dynamical Systems, Computational Mathematics, Simulation, Stochastic/Deterministic: Differential Equations, Partial Differential Equations, Integral Equations, Integro-Differential Equations, Difference Equations, and related topics.

Call for Papers: Authors are requested to submit an abstract of their research presentation in <http://atlas-conferences.com/cgi-bin/abstract/submit/catb-01> on or before March 31, 2007. Or please e-mail the abstract to icdsa5@yahoo.com.

Deadlines: Submission of abstract (on or before): March 31, 2007. Acceptance of abstract: April 15, 2007. Motel cut off date: April 16, 2007.

Information: Please visit <http://www.dynamicpublishers.com/icdsa5.htm> for conference information. Conference Coordinator: M. Sambandham, ICDSA 05, Department of Mathematics, 830 Westview Dr, S.W., Morehouse College, Atlanta, GA 30314; Ph: (404) 215-2614; email: icdsa5@yahoo.com.

June 2007

* 1–7 **International Conference—Leonhard Euler and Modern Combinatorics: Applications to Logic, Representation Theory, Mathematical Physics**, Euler IMI, St. Petersburg, Russia.

Organizers and Sponsors: St. Petersburg Department of Steklov Institute of Mathematics of RAS (POMI RAN), Euler International Mathematical Institute (EIMI), Russian Foundation for Basic Research (RFBR), National Science Foundation, USA (NSF) St. Petersburg Mathematical Society.

Information: email: lemc@imi.ras.ru; <http://www.pdmi.ras.ru/EIMI/2007/LEMC/>.

* 7–9 **International Conference—Mathematical Hydrodynamics: Euler Equations and Related Topics**, Euler IMI, St. Petersburg, Russia.

Organizing Committee: Claude Bardos, Peter Constantin, Susan Friedlander, Alex Mahalov (Co-Chairman), Basil Nicolaenko, Sergey Repin, Gregory Seregin (Co-Chairman), Vsevolod Solonnikov (Honorary Chairman).

Information: Contact Tim Shilkin and Alexander Mikhaylov (EEC300@pdmi.ras.ru); <http://www.pdmi.ras.ru/~eec300/>.

* 8–14 **33rd International Conference: Applications of Mathematics in Engineering and Economics**, Sozopol, Bulgaria.

Goal: The main goal of the conference is to bring together experts and young talented scientists from Bulgaria and abroad, to discuss the modern trends, and to ensure exchange of views in various applications of mathematics in engineering, physics, economics, biology, etc.

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

Topics: Potential Theory and Partial Differential Equations; Mathematical; Analysis and Applications; Differential Equations and Differential Geometry; Numerical Methods in Mathematical Modeling, Algebraic Methods in Informatics; Software Innovations in Scientific Computing.

Preliminary List of Keynote Speakers: P. Caithamer (USA), C. I. Christov (USA), A. Haghghi (USA), H. Kojouharov (USA), M. Konstantinov (Bulgaria), R. Lazarov (USA), A. Loskutov (Russia), P. Mineev (Canada), A. Schmitt (Germany), P. Velmisov (Russia).

Information: <http://www.tu-sofia.bg/fpmi/amee/index.html> or contact: mtod@tu-sofia.bg.

* 10–12 **Leonhard Euler Festival**, Euler IMI, St. Petersburg, Russia.

Description: Russian Academy of Sciences, St. Petersburg Scientific Center of RAS, St. Petersburg Department of the V. A. Steklov Mathematical Institute, Euler International Mathematical Institute, St. Petersburg State University, and Euler Foundation organize a special congress on the occasion of the 300th anniversary of Leonhard Euler's birth. This main event will comprise a celebration meeting on the 10th of June, and several invited talks related to Euler's tremendous scientific activity.

Organizing Committee: L. D. Faddeev, E. A. Tropp, I. A. Ibragimov, S. V. Kislyakov, G. A. Leonov, Yu. V. Matiyasevich, Yu. D. Burago, V. A. Gritsenko, G. A. Seregin, V. N. Tolstykh, A. M. Vershik, S. V. Vostokov, P. G. Zograf.

Information: Preliminary registrations should be made at: <http://www.pdmi.ras.ru/EIMI/2007/Euler300/>; email: euler300@imi.ras.ru.

* 11–15 **Conference on Complex Function Theory and Geometry**, Warsaw, Poland.

Description: This conference will explore the interface between the complex function theory of several complex variables and the modern theory of geometric analysis. We particularly welcome young mathematicians and members of under-represented groups. The conference is supported in part by the National Science Foundation of the USA, the BK21 Research Organization in Korea and the Banach Center.

Organizers: Aline Bonami, Bo Berndtsson, Joaquim Bruna, Friedrich Haslinger, Kang-Tae Kim, Jurgen Leiterer, Ewa Ligocka, Jeff McNeal, Marco Peloso, Steven G. Krantz (head organizer).

Information: <http://www.math.wustl.edu/~sk/>.

* 13–19 **International Conference on Arithmetic Geometry**, Euler IMI, St. Petersburg, Russia.

Description: The conference on number theory in framework of Mathematical Congress is dedicated to the 300th anniversary of Leonhard Euler.

Topic: The subject of the conference is main trends of modern study of zeta and L functions.

Organizer: Russian Academy of Sciences and the Euler Foundation.

Scientific Committee: Ch. Deninger (Muenster), I. Fesenko (Nottingham), N. Kurokawa (Tokyo), A. Parshin (Moscow), S. Vostokov (St. Petersburg).

Information: info@eulerfoundation.com.

* 14–16 **Model Theory and Algebra**, Department of Mathematics and Computer Science, Camerino, Italy.

Description: This event is a part of the European Research and Training Network MODNET. It is devoted to Model Theory of Modules, Model Theory of Groups, o-minimality and other matters linking Model Theory and Algebra.

Speakers: H. Adler, A. Berarducci, A. Berkman, P. D'Aquino, O. Frécon, G. Garkusha, I. Herzog, G. Jones, M. Kamensky, A. Macintyre, M. Otero, G. Puninski, P. Rothmaler, C. Rivière.

Programme Committee: Z. Chatzidakis, D. Evans, A. Pillay, F. Point, C. Toffalori, C. Wagner. Local organizers are S. Leonesi, S. L'Innocente, C. Toffalori.

Information: Visit <http://modnet07.cs.unicam.it>.

* 15–17 **International Conference on Rings and Things: Dedicated to Carl Faith on his 80th birthday and Barbara Osofsky on her 70th**, Ohio University, Zanesville, Ohio.

Topics: The conference will also have contributed talks. The main topics covered at the conference include Structure Theory of Rings and Modules, Representation Theory, and Group Rings, among others.

Support: National Security Agency, Center of Ring Theory and Applications at Ohio University, and Ohio University regional campuses at Chillicothe, Lancaster, and Zanesville.

Invited Speakers include: Victor P. Camillo (University of Iowa, USA), Alberto Facchini (University of Padova, Italy), Kent R. Fuller (University of Iowa, USA), Jose Luis Gomez Pardo (University de Santiago de Compostela, Spain), Charudatta Hajarnavis (University of Warwick, UK), Birge Huisgen-Zimmermann (University of California Santa Barbara, USA), T. Y. Lam (University of California Berkeley, USA), Patrick F. Smith (University of Glasgow, UK), Agata Smoktunowicz (The University of Edinburgh, UK), Jan Trlifaj (Charles University, Czech Republic), Robert Wisbauer (University of Dusseldorf, Germany).

Registration: For registration, submission of an abstract, and other information, please go to: http://math.ohiou.edu/~jain/ou-z_conference/.

Deadline: For submitting abstract: April 30, 2007.

Information: For more information: Contact Pramod Kanwar at email: pkanwar@math.ohiou.edu.

* 18–21 **Summer School in Model Theory**, Department of Mathematics and Computer Science, Camerino, Italy.

Description: This event is a part of the European Research and Training Network MODNET. It will consist of 3 short courses in Model theory of Groups (A. Baudisch), Model theory of Modules (P. Rothmaler), Introduction to o-minimality (K. Peterzil). It is intended for Ph.D. students, but other participants are welcome.

Information: Visit <http://modnet07.cs.unicam.it>.

* 18–23 **Russian-German Geometry Meeting dedicated to the 95th anniversary of A. D. Alexandrov**, Euler IMI, St. Petersburg, Russia.

Organizers: W. Ballmann (Bonn), Yu. D. Burago (St. Petersburg), Yu. G. Reshetnyak (Novosibirsk).

Co-organizers: S. V. Buyalo (St. Petersburg), A. Lytchak (Bonn), I. A. Taimanov (Novosibirsk).

Topics: Topics of the meeting: differential geometry, nonlinear differential equations in geometry, geometric analysis, Alexandrov geometry, applications of geometry to mathematical physics.

Information: email: geometry@imi.ras.ru; <http://www.pdmi.ras.ru/EIMI/2007/geo3/>.

* 21–26 **Conference on Riemannian Geometry and Applications: Dedicated to the memory of Professor Radu Rosca**, Brasov, Romania.

Topics: Geometry of Riemannian and Pseudo-Riemannian manifolds, submanifold theory, structures on manifolds, complex geometry, Finsler, Lagrange and Hamilton geometries, applications to other fields.

Organizing and Scientific Committee: Ion Mihai (University of Bucharest), Radu Miron (Romanian Academy), Leopold Verstraelen (Katholieke Universiteit Leuven), Stere Ianus (University of Bucharest), Emil Stoica (Transilvania University of Braşov), Bogdan Suceavă (California State University at Fullerton), Gheorghe Munteanu (Transilvania University of Braşov), Adela Mihai (University of Bucharest), Valentin Ghişoiu (University of Bucharest).

Fee: There is no registration fee.

Information: Those who are interested in attending the conference and/or presenting a communication are kindly invited to send an e-mail to: Ion Mihai; email: imihai@fmi.unibuc.ro.

* 25–29 **Braids**, Inst. Math. Sciences, National Univ., Singapore, Singapore.

Organizers: Jon Berrick (National University of Singapore)(co-chair), Fred R. Cohen (University of Rochester)(co-chair), Mitch Berger (University College London), Joan S. Birman (Columbia University), Toshitake Kohno (University of Tokyo), Yan-Loi Wong (National University of Singapore), Jie Wu (National University of Singapore).

Confirmed Principal Speakers: M. Berger (London), J. Birman (Columbia), T. Brendle (Cornell), R. Budney (MPIM Bonn), F. Cohen

(Rochester), R. Ghrist (UIUC), J. Gonzalez-Meneses (Seville), T. Kohno (Tokyo), D. Margalit (Utah), S. Morita (Tokyo), L. Paris (Bourgogne), D. Rolfsen (Canada), N. Wahl (Chicago), B. Wiest (Rennes).

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

* 25–29 **Workshop on Modeling, Analysis and Simulation of Multiscale Nonlinear Systems**, Oregon State University, Corvallis, Oregon.

Program: The workshop will bring together an interdisciplinary group of scientists working on various aspects of nonlinear coupled phenomena occurring at multiple spatial and temporal scales in natural and man-made environments. The program includes general overview talks on methods and applications as well as special topics.

Topics: Modeling of preferential fluid flow and transport and other phenomena in subsurface; experiment-based and computational porescale-to-watershed modeling; analysis of multiscale nonlinear PDEs systems as well as stochastic approaches; adaptive multiscale computational techniques and their implementations; biological and engineering applications with multiscale character.

Organizers and Contact: Local (Oregon State): Malgorzata Peszynska, Ralph Showalter, Son-Young Yi. Program: Seth Oppenheimer (Mississippi State), Alexander Panchenko (Washington State), Anna Spagnuolo (Oakland University), Noel Walkington (Carnegie-Mellon).

Support: There are opportunities for at least partial support for some participants. We encourage women, persons with disabilities, and those from underrepresented groups to participate and to apply for support.

Registration: Registration, submission of abstracts, and requests for support will be accepted online starting 1/15/2007.

Information: <http://www.math.oregonstate.edu/multiscale/workshop>.

* 25–30 **16th Summer St. Petersburg Meeting on Mathematical Analysis**, Euler IMI, St. Petersburg, Russia.

Description: This year our meeting is a satellite conference to the Congress dedicated to the 300th Anniversary of Leonhard Euler's Birth.

Preliminary List of Main Speakers: Alexandru Aleman, Lund University; Nikolai Makarov, CalTech, Pasadena; Vitali Milman, Tel-Aviv University; Boris Paneyakh, Technion, Haifa; Edward B. Saff, Vanderbilt University, Nashville; Kristian Seip, Trondheim University; Stanislav Smirnov, Geneva University; Serguei Treil, MIT, Boston.

Information: email: analysis@pdmi.ras.ru; <http://www.pdmi.ras.ru/EIMI/2007/analysis16/>.

* 28–30 **Fourth European PKI Workshop: Theory and Practice**, University of Illes Balears, Mallorca, Spain.

Description: The 4th European PKI Workshop: Theory and Practice is focusing on all research aspects of Public Key Applications, Services and Infrastructures. Submitted papers may present theory, applications or practical experiences.

Deadlines: Submission of papers: February 28, 2007. Notification to authors: March 30, 2007. Camera-ready copies: April 16, 2007.

General Chair: Jose L. Ferrer, University of Balearic Islands, Spain.

Programme Committee co-Chairs: Javier Lopez, University of Malaga, Spain; Pierangela Samarati, University of Milan, Italy.

Information: <http://dmi.uib.es/europki07/>.

* 30–July 7 **14th International Conference on Waves and Stability in Continuous Media (WASCOM07)**, Hotel Village Baia Samuele, Scicli, Ragusa, Italy.

Dedication: To Professor T. Ruggeri on the occasion of his 60th birthday.

Information: <http://mat520.unime.it/wascom07/>.

July 2007

* 1–4 **Fifth Mathematics & Design International Conference (M&D-**

2007), Universidade Regional de Blumenau, Blumenau, SC - Brazil.
Topics: Computer Design, Mathematical Modeling, Visualization of System Media Design, Computational Geometry, Projects and Communication Design, Mathematical Human Sustainable Development, Art and Mathematics.

Organizers: Brazilian: Emilia Mello, Nelson Hein, Marias Adélia B. Schmitt, Maria Roseli Bertoldi, Rosinete Gaertner. Argentine: Susana Toscano, Leonardo Pablo Diez, Guillermo Rolón.

Deadlines: Submission of Abstracts: January 31, 2007. Abstracts Acceptance: March 15, 2007. Registration: Starting February 15, 2007.

Information: <http://www.maydi.org.ar/myd07>; email: myd2007@maydi.org.ar; salett@furb.br; vspinade@fibertel.com.ar.

* 2-7 **International Conference: Modular Forms and Moduli Spaces**, Euler IMI, St. Petersburg, Russia.

Description: The conference on modular forms and moduli spaces in framework of Mathematical Congress dedicated to the 300th anniversary of Leonhard Euler organized by the Russian Academy of Sciences and the Euler Foundation.

Organizers: V. Gritsenko, D. Orlov, P. Zograf.

Information: <http://www.pdmi.ras.ru/EIMI/2007/mfms/>; email: mfms2007@imi.ras.ru.

* 3-7 **Symposium on the differential geometry of submanifolds**, University of Valenciennes, Valenciennes, France.

Workshop Topics: The main theme of the conference is the differential geometry of submanifolds. Special emphasis is on the following topics: Lagrangian immersions, Minimal immersions and constant mean curvature immersions, Harmonic maps and harmonic morphisms, Variational problems, Affine differential geometry.

Main Speakers: P. Baird, Université de Brest, France, J. Bolton, Durham University, UK, B.Y. Chen, Michigan State University, U.S., V. Cortès, University of Hamburg, Germany, S. Gudmundsson, Lund University, Sweden, M. Haskins, Imperial College, UK, M. Koiso, Nara Women's University, Japan, H. Li, Tsinghua University, China, I. McIntosh, York University, UK, B. Opozda, Cracow University, Pologne, B. Palmer, Idaho University, U.S., P. Romon, Université de Marne la Vallée, France, W. Rossmann, Kobe University, Japan, F. Urbano, Universidad de Granada, Spain.

Information: email: luc.vrancken@univ-valenciennes.fr; <http://symposium.geometry@web.de>.

* 8-12 **International Conference on Analytical Methods of Celestial Mechanics**, Euler IMI, St. Petersburg, Russia.

Dedication: Dedicated to the 300th anniversary of Leonhard Euler.
Organizer: By the Russian Academy of Sciences and the Euler Foundation.

Chairs: K. Kholshevnikov, N. Vassiliev.

Organizing Committee: V. Orlov, E. Novikova (secretary), I. Shevchenko, N. Vassiliev.

Information: email: amcm@imi.ras.ru; <http://www.pdmi.ras.ru/EIMI/2007/AMCM/>.

* 9-August 3 **Program on Computational Methods in Biomolecular Structures and Interaction Networks**, Institute for Mathematical Sciences, National University of Singapore, Singapore.

Program: The program will be structured around two workshops and two tutorials designed to bring together researchers from a wide spectrum of mathematical and computational biology. The main themes to be covered include: Computational algorithms for large-scale analysis, classification and predictions of structures, motifs, modules, and biomolecular interactions; Mathematical models and computer simulation of structural and evolution dynamics of macromolecules and their interactions; Deterministic, probabilistic, and cellular automata models of biomolecular interaction networks and pathways; Algorithms for visualization of complex data and networks; as well as other unsolved problems arising from macromolecular imaging research.

Information: Please visit <http://www.ims.nus.edu.sg/Programs/biomolecular07/index.htm> for more information and registration. For general enquiries, please email to imssec@nus.edu.sg. For enquiries on scientific aspects of the program, please email Vladimir A. Kuznetsov at kuznetsov@gis.a-star.edu.sg.

* 20-22 **Ross Program Fiftieth Anniversary Reunion-Conference**, Ohio State University, Columbus, Ohio.

Description: Founded by Arnold Ross in 1957, the Ross Mathematics Program is a residential summer session for high school students talented in mathematics. This 50th anniversary event will celebrate the successes of this program with a general reunion (and banquet). The celebration will feature several mathematical lectures of general interest. Alumni and friends of the Ross Program are invited to attend.

Information: <http://www.math.osu.edu/ross/Reunions/reunion07>; email: ross@math.ohio-state.edu.

* 23-27 **The Twelfth International Conference on Difference Equations and Applications (ICDEA07)**, The Technical University of Lisbon, Portugal.

Description: The purpose of the conference is to bring together both experts and novices in the theory and application of Difference Equations and Discrete Dynamical Systems. The main theme of the meeting will be "Discrete Dynamical Systems and Nonlinear Science".

Organizer: The Center of Mathematical Analysis Geometry and Dynamical Systems of Instituto Superior Técnico (IST), Technical University of Lisbon.

Information: More details may be found at <http://www.math.ist.utl.pt/icdea2007/>. All Inquiries should be sent to icdea@math.ist.utl.pt.

* 24-27 (REVISED) **3rd International workshop "Reliable Methods of Mathematical Modelling" (RMMM 2007)**, Euler IMI, Saint Petersburg, Russia.

Aims and Scope: Workshop is organized to bring together specialists developing mathematical and computational methods intended to increase the reliability of the results obtained in various mathematical modeling methods.

Topics: Mesh-adaptive numerical methods in various applied problems, a posteriori error control and verification of numerical solutions, validation of mathematical models used in computer simulation.

Important Dates: Deadline for submission of applications: March 1, 2007. Confirmation of acceptance: April 1, 2007. Arrival: July 22 2007. Departure: July 28, 2007.

Information: <http://www.rmmm2007.org.ru>; email: rmmm2007@pdmi.ras.ru.

* 30-August 3 **The 15th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications**, Media Center and Library (Sugimoto Campus), Osaka City University, Osaka, Japan.

Workshop Topics: Applied Complex Analysis, Clifford Analysis, Complex Dynamical Systems, Complex Function Spaces and Operator Theory, Complex Numerical Analysis, Functional Analysis Methods in Complex Analysis and Applications to Partial Differential Equations, Quasiconformal Mapping, Riemann Surfaces, Teichmüller Theory and Kleinian Groups, Complex Manifolds, Several Complex Variables, Value Distribution Theory, and Related Topics.

Deadlines: Registration: April 15, 2007. Submission of Abstracts: May 31, 2007.

Information: Yoichi Imayoshi, Department of Mathematics, Osaka City University 3-3-138, Sugimoto, Sumiyoshi-ku, Osaka, 558-8585 Japan; email: imayoshi@sci.osaka-cu.ac.jp; <http://15fi.cajpn.org/>.

August 2007

- * 6–17 **19th European Summer School in Logic, Language and Information**, Dublin, Ireland.

Aim: Student Session exists to bring together young researchers to present and discuss their work in progress with a possibility to get feedback from senior researchers.

Call for Papers: We invite submission of papers in the areas of Logic, Language and Computation for presentation at the Student Session and for appearance in the proceedings. At least one of the authors of the paper must register as a participant of ESSLLI.

Deadline: Submission deadline: February 11, 2007 Notification of authors: April 20, 2007 Full paper deadline: May 20, 2007

Information: The Student Session webpage is the place for relevant information: <http://www.loria.fr/~sustreto/stus07/>. Feel free to contact the chairs for any questions about the submissions or the Student Session in general: Ville Nurmi, Phone: +358 9 191 51497, Fax: +358 9 191 51400, email: villie.v.nurmi@helsinki.fi; Dmitry Sustretov Phone: +33 3 83 59 20 35, Fax: +33 3 83 41 30 79, email: dmitry.sustretov@loria.fr.

- * 12–15 **The 13th International Conference of Knowledge Discovery and Data Mining: ACM/SIGKDD**, San Jose, California.

The SIGKDD conference will feature keynote presentations, oral paper presentations, poster sessions, workshops, tutorials, and panels, as well as the KDD Cup competition. Papers on all aspects of knowledge discovery and data mining are solicited.

Topics: Areas of interest include, but are not limited to: Applications of data mining (biomedicine, business, e-commerce, defense), Data mining for community generation, social network analysis, and graph-structured data, Foundations of data mining, high performance and parallel/distributed data mining, integration of data warehousing and data mining, interactive and online data mining, KDD framework and process, mining data streams, mining high-dimensional data, mining sensor data, mining text and semi-structured data, mining multi-media data, novel data mining algorithms, robust and scalable statistical methods, pre-processing and post-processing for data mining, security, privacy and social impact of data mining, spatial and temporal data mining, visual data mining and data visualization.

Deadlines: Abstracts: February 23, 2007. Paper submissions: February 28, 2007 (9 pages).

Information: For submission details and organizers, see <http://www.kdd2007.com>.

- * 24–26 **32nd Sapporo Symposium on Partial Differential Equations**, Department of Mathematics, Hokkaido University, Sapporo, Japan.

Description: The Sapporo Symposium on Partial Differential Equations has been held annually to present the latest developments on PDE with a broad spectrum of interests not limited to the methods of a particular school.

Financial support: Limited amount of financial support is available to non-resident visitors who are interested in the meeting. Please make inquiry to cri@math.sci.hokudai.ac.jp by March 31, 2007.

- * 26–September 1 **Conference “Algebras, Representations and Applications” Lie and Jordan Algebras, their Representations and Applications, III: In Honour of Professor Ivan Shestakov’s 60th Birthday**, Maresias Beach Hotel, Maresias, São Paulo, Brazil.

Registration/Fee: Registration can be made online on the webpage. The registration fee is 120 Euro or US \$150 payable in cash upon the arrival; student registration fee is 60 Euro or US \$75. Registration fee includes: publication of abstracts, transfers to/from the hotel, conference banquet and a tour.

Deadline: Abstract submission: June 1, 2007.

Information: http://www.ime.usp.br/~liejor/2007/Conference_Shestakov/index.html.

September 2007

- * 9–10 **SHARCS’07: Special-purpose Hardware for Attacking Cryptographic Systems**, Vienna Marriott Hotel, Vienna, Austria.

Deadline: Submission deadline: June 15.

Information: Please consult the workshop’s webpage <http://www.sharcs.org> for details.

- * 16–20 **International Conference of Numerical Analysis and Applied Mathematics 2007 (ICNAAM 2007)**, Corfu, Greece.

Invited Speakers: Carl R. de Boor, Department of Computer Sciences and Department of Mathematics, University of Wisconsin-Madison, USA; C. W. Gear (Bill), Senior Scientist, Chemical Engineering, Princeton University (zero-time appointment), Emeritus President, NEC Research Institute, Emeritus Professor, Department of Computer Science, University of Illinois at Urbana-Champaign, USA; Mariano Gasca, Depto. Matematica Aplicada, Fac. Ciencias, Universidad de Zaragoza, 50009 Zaragoza, Spain; G. Alistair Watson, University of Dundee, Division of Mathematics, Dundee DD1 4HN, Scotland.

Leaflets and Posters: If you want leaflets and posters for ICNAAM 2007, please send your request to: tsimos@mail.ariadne-t.gr (with a carbon copy to: tsimos.conf@gmail.com).

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

- * 17–19 **Indian International Conference on Artificial Intelligence (IICAI-07)**, Pune, India.

Description: The conference consists of invited talks, keynote speeches, local tours, tutorials, etc.

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

- * 17–20 **Fourth International Workshop on Meshfree Methods for Partial Differential Equations**, Universitaet Bonn, Bonn, Germany.

Aim: To promote collaboration among engineers, mathematicians, and computer scientists and industrial researchers to address the development, mathematical analysis, and application of meshfree and particle methods especially to multiscale phenomena.

Topics: While contributions in all aspects of meshfree methods are invited, some of the key topics to be featured are Coupling of meshfree methods, finite element methods, particle methods, and finite difference methods; Coupling of multiple scales, e.g. continuum models to discrete models; Application of meshfree, generalized finite element methods; Parallel computation in meshfree methods; Mathematical theory of meshfree, generalized finite element, and particle methods; Fast and stable domain integration methods; Enhanced treatment of boundary conditions; Identification and characterization of problems where meshfree methods have clear advantage over classical approaches.

Deadlines: If you are interested in contributing to this workshop, please submit an abstract of about 300 words (preferably in LaTeX format) by e-mail to the contact address meshfree@ins.uni-bonn.de by May 1, 2007. Confirmation and Program: August 1, 2007.

Information: <http://wissrech.ins.uni-bonn.de/meshfree>.

- * 24–27 **International Algebraic Conference dedicated to the 100th anniversary of D. K. Faddeev**, Euler IMI, St. Petersburg, Russia.

Organizers: St. Petersburg State University, St. Petersburg Department of the V. A. Steklov Institute of Mathematics of the Russian Academy of Science, Euler International Mathematical Institute, Euler Foundation.

Program Committee: A. V. Yakovlev, S. V. Vostokov, N. A. Vavilov, A. I. Generalov, N. L. Gordeev.

Information: Elena Novikova (novikova@pdmi.ras.ru); <http://www.pdmi.ras.ru/EIMI/2007/DKF/>.

October 2007

- * 9–11 **SIAM Conference on Mathematics for Industry: Challenges and Frontiers (MI07)**, Hyatt Regency Philadelphia, Philadelphia, Pennsylvania.

Description: SIAM's conference on Mathematics for Industry focuses attention on the many and varied opportunities to promote applications of mathematics to industrial problems.

Deadlines: Minisymposium proposals: March 9, 2007. Abstracts for contributed and minisymposium speakers: April 9, 2007.

Information: <http://www.siam.org/meetings/mi07/>.

* 24–26 **2007 International Conference in Modeling Health Advances**, Clark Kerr Campus, UC Berkeley, California.

Deadlines: Last Date for Submission of Manuscripts: July 6, 2007. Last Date for Submission of Final/Camera Ready Paper: July 30, 2007. Pre-registration Due: July 30, 2007.

Information: For further information, please contact: Prof. B. D. Aggarwala, Department of Mathematics and Statistics, University of Calgary, Calgary, Alberta, Canada aggarwal@math.ucalgary.ca.

November 2007

* 5–9 **Algorithmic Convex Geometry**, AIM Research Conference Center, Palo Alto, California.

Description: This workshop, sponsored by AIM and the NSF, is motivated by algorithms and draws heavily on probability (especially the theory of stochastic processes), convex geometry and functional analysis. The workshop will bring together leading researchers in these areas.

Organizers: Assaf Naor and Santosh Vempala.

Deadline: July 1, 2007.

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

December 2007

* 16–20 **The Twelfth Asian Technology Conference in Mathematics (ATCM2007)**, Taipei, Taiwan.

Description: The ATCM2007 is an international conference that will continue addressing technology-based issues in all Mathematical Sciences. Thanks to advanced technological tools such as computer algebra systems (CAS), interactive and dynamic geometry, and hand-held devices, the effectiveness of our teaching and learning, and the horizon of our research in mathematics and its applications continue to grow rapidly. The aim of this conference is to provide a forum for educators, researchers, teachers and experts in exchanging information regarding enhancing technology to enrich mathematics learning, teaching and research at all levels.

Theme: Making mathematics fun, accessible and challenging through technology.

Language: English.

Deadlines: Submission of Abstracts: June 15, 2007. Submission of Full Papers: July 15, 2007.

Information: <http://www.atcm.mathandtech.org>.