
Mathematics Calendar

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

January 2004

* 8–13 **Kantorovich Memorial. Mathematics and Economics: Old Problems and New Approaches**, EIMI, St. Petersburg, Russia.

Organizers: Petersburg Dept. of Steklov Inst. of Math. of RAS, Euler Internat. Math. Inst. at St. Petersburg, Russian Found. for Basic Res. (RFBR), Central Inst. for Math. and Econ. of Russian Acad. of Sci., St. Petersburg Math. Soc.

Tentative Speakers: Ch. Aliprantis (USA), L. Faddeev (Russia), D. Farmer (USA), M. Gell-Mann (USA), G. Gumerman (USA), V. Makarov (Russia), S. Novikov (Russia), V. Polterovich (Russia), Ch. Schmidt (France), V. Sergeev (Russia), M. Shubik (USA), A. Shnirel'man (UK), E. Smith (USA).

Topics: The conference will be devoted to modern developments in and interconnections between mathematics and economics. Special attention will be given to the areas that were studied by an outstanding economist and mathematician, a Nobel Prize winner, Leonid Kantorovich. Besides plenary lectures (1 hour) we are planning to organize seminars and roundtables.

Information: <http://www.pdmi.ras.ru/EIMI/2004/KM/>.

February 2004

* 8–10 **Conference on Special Functions & Their Applications (CSFA'2004)**, U.P. Administrative & Management Academy, Lucknow, India.

Call for Papers: Last date for the submission of abstract along with the full-length paper is December 30, 2003.

Registration: Rs 600 for Indian delegates and \$100 for foreign delegates. However, free local hospitality (accommodations, free local transportation, meals, breakfast and tea/coffee) will be given to all participants.

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

Information: Contact: Dr. S. Ahmad Ali, Convener of CSFA'2004, Head, Dept. of Math., Amiruddaula Islamia Degree College, Lucknow 226 001, India; email: aahmad@postmark.net.

* 21–22 **11th Southern California Geometric Analysis Seminar**, University of California at Irvine, California.

Brief Description: We will have six top mathematicians in geometric analysis giving talks, allowing enough time for participants to communicate with each other in this two-day seminar.

List of Speakers: P. Daskalopoulos (Columbia), P. Guan (McMaster), N. Nadirashvili (Chicago)*, D. H. Phong (Columbia), L. Simon (Stanford), C.-L. Terng (UC Irvine), G. Tian (Princeton). * to be confirmed.

Information: <http://www.math.uci.edu/~scgas/>; Z. Lu, email: zlu@math.uci.edu.

March 2004

* 15–30 **Singularities Phenomena in Elliptic and Parabolic Equations**, Technion, Haifa, Israel.

Description: The aim of this workshop is to bring together researchers working on elliptic and parabolic equations and to exchange new results, developments and theory on singularities phenomena in these equations. This activity is part of the RTN network program on “Nonlinear Partial Differential Equations Describing Front Propagation and Other Singular Phenomena”. It is intended mainly for post/predocs.

Program: The workshop will include four series of talks mainly in the areas of elliptic and parabolic nonlinear equations given by: H. Brezis (Univ. de Paris 6), M. Fila (Comenius Univ.), A. K. Tertikas (Univ. of Crete), and L. Véron (Univ. de Tours). Additional lectures

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, 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/>.

will be given by Israeli members of the RTN team, as well as short lectures by other participants.

Funding: The workshop is open to any interested persons. Candidates for financial support must be young researcher nationals of a European Community member state or an associated state (other than Israel).

Organizers: M. Marcus, Y. Pinchover, and I. Shafrir.

Information: <http://www.math.technion.ac.il/~pincho/workshoprtn.html>.

April 2004

* 5–7 **South African Symposium on Numerical and Applied Mathematics (SANUM 2004)**, University of Stellenbosch, Stellenbosch, South Africa.

Speakers: Invitations to present plenary talks accepted at the time of writing: R. Kress, Univ. of Göttingen, Germany; S. Schoombie, Univ. of the Free State, South Africa.

Information: <http://dip.sun.ac.za/sanum2004>.

May 2004

* 3–8 **Lie and Jordan Algebras, Their Representations and Applications**, Guarujá, SP, Brazil.

Conference Topics: Lie algebras, Jordan algebras, representation theory, quantum groups and applications.

Sections: Structure of Lie and Jordan algebras, Representations and applications.

Organizers: A. Grishkov (IME-USP) (grishkov@ime.usp.br), H. Guzzo Jr. (IME-USP) (guzzo@ime.usp.br), I. Shestakov (IME-USP) (shestak@ime.usp.br), L. S. I. Murakami (IME-USP) (ikemoto@ime.usp.br), L. A. Peresi (IME-USP) (peresi@ime.usp.br), P. E. Koshlukov (IMECC-UNICAMP) (plamen@ime.unicamp.br), V. Futorny (IME-USP) (futorny@ime.usp.br).

Deadline: The deadline for submission of abstracts: March 1, 2004.

Information: Information about the previous conference is available at <http://www.ime.usp.br/~liejor/2002>. The webpage of the second conference is under construction and will appear soon at <http://www.ime.usp.br/~liejor>.

* 30–June 3 **Fifth European Conference on Elliptic and Parabolic Problems: A Special Tribute to the Work of Haim Brezis**, Gaeta, Italy.

Description: The panel of speakers includes, in particular, numerous former students of H. Brezis. Besides elliptic and parabolic issues, the topics of the conference include geometry, free boundary problems, fluid mechanics, evolution problems in general, calculus of variations, homogenization, control, modeling, and numerical analysis.

Invited Speakers: A. Ambrosetti (SISSA), H. Attouch (Montpellier), A. Bahri (Rutgers), J.-B. Baillon (Paris I), H. Beirão da Veiga (Pisa), M. Bertsch (IAC, Rome), L. Boccardo (Rome), J. Carrillo (Madrid), T. Cazenave (Paris VI), L. Cohen (Paris Dauphine), M. Comte (Paris VI), A. Damlamian (Créteil), J. Davila (Santiago), J. I. Diaz (Madrid), L. Dupaigne (Amiens), M. Escobedo (Bilbao), D. de Figueiredo (Campinas), T. Gallouet (Marseille), A. Haraux (Paris VI), M. Herrero (Madrid), S. Kamin (Tel Aviv), S. Kichenassamy (Reims), D. Kinderlehrer (CMU), M. Knaap (Shell), M. Lapidus (Riverside), Shujie Li (Beijing), Tatsien Li (Shanghai), C.-S. Lin (Chai-Yi), M. Marcus (Haifa), J. Mawhin (Louvain), P. Mironescu (Orsay), L. Peletier (Leiden), A. C. Ponce (Paris VI), G. Da Prato (Pisa), V. Radulescu (Craiova), E. Sandier (Créteil), M. Schatzman (Lyon), J. Serrin (Minneapolis), J. L. Vazquez (Madrid), L. Veron (Tours).

Contributed Talks: In addition to the main lectures, parallel sessions of short communications will be organized. The deadline for submitting an abstract is April 1, 2004. A proceedings volume will be published by Birkhäuser.

Organizing Committee: C. Bandle (Basel), H. Berestycki (EHESS), B. Brighi, A. Brillard (Mulhouse), M. Chipot (Zürich), J.-M. Coron (Paris

Sud), C. Sbordone (Naples), I. Shafrir (Haifa), V. Valente (IAC, Rome), G. V. Caffarelli (Rome).

Information: Visit <http://www.math.unizh.ch/gaeta2004>; email: gaeta@math.unizh.ch.

June 2004

* 3–25 **MRI Spring School 2004: Lie Groups in Analysis, Geometry and Physics**, Utrecht University, Utrecht, The Netherlands.

Organizer: The Mathematical Research Institute, the combined research school for the mathematics departments in Groningen, Nijmegen, Twente, Utrecht in The Netherlands.

Program: 3 weeks of courses consisting of plenary lectures complemented by exercise classes on: Structure theory of Lie groups and Lie algebras (J. A. C. Kolk, Utrecht); Group actions (J. J. Duistermaat and J. A. C. Kolk, Utrecht); Symplectic geometry (J. J. Duistermaat, Utrecht), Symmetry in mechanics (R. H. Cushman, Utrecht); Representation theory and applications in classical quantum mechanics (E. P. van den Ban, Utrecht); Analysis on principal fiber bundles (J. J. Duistermaat, Utrecht). The momentum map from an algebraic and differential geometric point of view (G. J. Heckman, Nijmegen).

Intended for students who have (or are in the final stage of a study for) a master's or Ph.D. in mathematics, theoretical physics, or a related field with a comparable mathematical background.

Information: Visit <http://www.math.uu.nl/people/kolk/SpringSchool2004/SpringSchool2004>.

* 20–27 **42nd International Symposium on Functional Equations**, Opava, Czech Republic.

Topics: Functional equations and inequalities, mean values, functional equations on algebraic structures, Hyers-Ulam stability, regularity properties of solutions, conditional functional equations, iteration theory, functional-differential equations; applications of the above, in particular to the natural, social, and behavioral sciences.

Organizers: J. Smítal, M. Štefánková, Math. Inst., Silesian Univ., CZ-746 01 Opava, Czech Republic (ISFE42@math.slu.cz).

Scientific Committee: J. Aczél (Honorary Chair; Waterloo, ON, Canada), Z. Daróczy (Debrecen, Hungary), R. Ger (Katowice, Poland), J. Rätz (Chair; Bern, Switzerland), L. Reich (Graz, Austria), and A. Sklar (Chicago, IL, USA).

Information: Participation at these annual symposia is by invitation only. Those wishing to be invited should send details of their interest and, preferably, publications (paper copies) and/or manuscripts with their postal and email addresses to: J. Rätz, Mathematisches Inst., Univ. Bern, Sidlerstr. 5, CH-3012 Bern, Switzerland (math@math-stat.unibe.ch) before April 6, 2004.

* 21–25 **Conference in Nonlinear Analysis, in Honor of Haim Brezis, on the Occasion of His 60th Birthday**, Paris, France.

Speakers: A. Aftalion, L. Ambrosio, G. I. Barenblatt, F. Bethuel, J. Bourgain, X. Cabre, L. Caffarelli, A. Chang, Y. Choquet-Bruhat, P. Constantin, L. C. Evans, F. Hamel, S. Klainerman, J.-F. Le Gall, Y. Y. Li, E. H. Lieb, F. -H. Lin, P.-L. Lions, H. Matano, Y. Meyer, M. Mimura, S. Müller, N. Nadirashvili, F. Otto, S. Serfaty, G. Sivashinsky, E. Stein.

Organizing Committee: H. Berestycki, M. Bertsch, F. Browder, M. Chipot, M. Comte, J.-M. Coron, I. Diaz, Y. Maday, I. Shafrir, D. Smets, L. Véron.

Scientific Committee: A. Ambrosetti, A. Bahri, H. Berestycki, J.-P. Bourguignon, F. Browder, J.-M. Coron, G. Da Prato, M. Giaquinta, D. Kinderlehrer, L. Nirenberg, B. Peletier, J. Serrin, R. Temam.

Information: <http://www.ann.jussieu.fr/HB2004/>; email: hb2004@ann.jussieu.fr. Registration free but required (via website).

* 21–July 2 **Artificial Neural Networks**, University of Wyoming, Laramie, Wyoming.

Description: The conference will cover the fundamentals of artificial neural networks (ANN) and neurocomputing. The main focus will be on the primary types of neural networks and the areas of

application for which each is appropriate. Mathematical foundations and comparison to alternative approaches will also be discussed. Afternoon workshops will provide an opportunity for participants to investigate small-scale applications of the basic types of neural networks. Reports of current research in neural networks, including their use in control problems, and contributed papers will also be presented.

Speakers: L. V. Fausett and D. W. Fausett, Georgia Southern University.

Sponsors: Rocky Mountain Mathematics Consortium and the University of Wyoming.

Deadline: For applications/abstracts of talks, April 1, 2004.

Information: A. D. Porter, Math Dept., Univ. of Wyoming, Laramie, WY 82071; email: adporter@uwyo.edu; <http://math.uwyo.edu/>.

*26–July 1 **The Future of Mathematics Education**, Ciechocinek, Poland.

Description: The Mathematics Education into the 21st Century Project has just completed its sixth successful international conference in Brno, Czech Republic, following conferences in Egypt, Jordan, Poland, Australia and Sicily. Ciechocinek 2004 will therefore be our 7th international conference. There will be plenary sessions, workshops, working groups, open forum of ideas, plenary roundtable, and paper sessions.

Timetable: The conference will open with dinner on Saturday, June 26. The last working day of the conference will be June 30, and the conference finishes with breakfast on July 1. Side tours and trips can be arranged to Krakow, Warsaw, and other places in Poland and on the way to ICME 10 in Denmark. It should be an ideal chance to relax before the rigours of the big ICME conference if you are going there!

Partners Program: There will be an additional social program for accompanying persons.

Deadlines: Papers are invited on all innovative aspects of mathematics education and should be sent by April 1.

Information: Contact: A. Rogerson; email: arogerson@vsg.edu.au.

*28–July 2 **16th Annual International Conference on Formal Power Series and Algebraic Combinatorics**, University of British Columbia, Vancouver, BC, Canada.

Topics: All aspects of combinatorics and their relations with other parts of mathematics, physics, computer science, and biology.

Invited Speakers: N. Biggs, London School of Economics; L. Billera, Cornell Univ.; S. Billey, Univ. of Washington; T. Hibi, Osaka Univ.; A. Knutson, Univ. of California at Berkeley; J.-L. Loday, Centre National de la Recherche Scientifique; R. Pemantle, Ohio State Univ.; A. Schilling, Univ. of California at Davis; G. Slade, Univ. of British Columbia.

Organizing Committee: J. West (Victoria, chair), N. Bergeron (CRC at York), M. Mishna (Bordeaux), T. Roby (Cal State Hayward), F. Ruskey (Victoria), S. van Willigenburg (UBC).

Deadlines: Submission of proposed abstracts: November 22, 2003. Requests for support: March 1, 2004. Reduced registration fees: April 1, 2004.

Information: <http://www.pims.math.ca/fpsac/>; email: fpsac@pims.math.ca.

July 2004

*5–14 **Workshop on the Moonshine Conjecture, Vertex Algebras, Hyperbolic Lie Algebras and Automorphic Forms**, International Centre for Mathematical Sciences, Edinburgh, UK.

Information: <http://www.ma.hw.ac.uk/icms/current>.

*18–24 **Workshop on Mathematical Ideas in Nonlinear Optics: Guided Waves in Inhomogenous Media**, International Centre for Mathematical Sciences, Edinburgh, UK.

Information: <http://www.ma.hw.ac.uk/icms/current>.

*30–August 1 **The Seventh Annual International Conference of Bridges: Mathematical Connections in Art, Music, and Science**, Southwestern College, Winfield, Kansas.

Representative Conference Topics: Mathematical visualization, mathematics and music, computer-generated art, symmetry structures, origami, mathematics and architecture, tessellations and tilings, aesthetic connections between mathematics and humanities, geometric art in two and three dimensions, geometries in quilting. Please see New Pictures from the last conference, available on “Bridges in Pictures” at the Bridges website, <http://www.sckans.edu/~bridges/>.

Description: The conference will feature presentations of regular, plenary, and short papers. These will all be selected from the pool of submitted papers. The conference plans to publish refereed proceedings to be distributed at the conference. Thus, there is a tight and firm schedule: Deadline for paper submissions for review: February 1, 2004. Submit five paper copies to: R. Sarhangi, Bridges Conference, Mathematics Department, Towson University, 8000 York Road, Towson, MD 21252; or send a formatted electronic copy in PDF format to: rsarhangi@towson.edu. Notification of acceptance of paper: April 1, 2004. Papers published in the proceedings must follow the specified format and the guidelines for the preparation of the camera-ready manuscript. These instructions can be found at 2004 Paper Guidelines, <http://www.sckans.edu/~bridges/bridge99/Guidelines.doc>, on the Bridges website, <http://www.sckans.edu/~bridges/>. Papers that deviate from the specified style will not be included in the proceedings.

The Bridges Mathematical Visual Art Exhibit: The Bridges Conference will be complemented by an exhibit of mathematical art. For more information in this regard please contact the Visual Art Exhibit coordinator: C. Séquin, Computer Science Division, EECS Department, University of California, Berkeley, CA 94720; email: sequin@cs.berkeley.edu.

Information: For information about location, accommodations, registration, and paper guidelines, you may visit: <http://www.sckans.edu/~bridges/>. For other information not available on the webpage (or if you want to add your email address to the Bridges mailing list), please contact: R. Sarhangi, Bridges Conference, Mathematics Department, Towson University, 8000 York Road, Towson, MD 21252; (410) 704-4922; email: rsarhangi@towson.edu.

August 2004

*2–6 **Workshop on Derived Categories, Quivers and Strings**, International Centre for Mathematical Sciences, Edinburgh, UK.

Information: <http://www.ma.hw.ac.uk/icms/current>.

*4–6 **2004 IMCC (International Math Conference at Chonbuk National University)**, Chonbuk National University, Chonju, Chonbuk, Korea.

Description: Our conference deals with 7 Clay problems. In particular, the Birch and Swinnerton-Dyer conjecture and PNP problem will be our central themes in the 2004 conference session. In 2004 we will have the 4th conference related to the same themes.

Invited Speakers: M. Hazewinkel (CWI, Netherlands); L. A. Bokut (Sobolev Inst. of Math, Russia); M. V. Zaitsev (Moscow State Univ., Russia); O. Ken (Univ. of Wisconsin, USA); S. Jain (Univ. of Delhi, India); B. Harris (Univ. of Wisconsin, USA); S. Wang (Henan Normal Univ.); N. Kawamoto (Japan Coast Guard Academy); K. Zhao (Chinese Academy of Sciences); T. Ikeda (Kyushu Inst. of Tech., Japan); Y. Su (Shanghai Jiaotong Univ., China); K. B. Nam (Univ. of Wisconsin, USA).

Organizers: K. B. Nam (Univ. of Wisconsin, USA); B. Harris (Univ. of Wisconsin, USA); D. K. Kim (Chonbuk National Univ., Korea); D. W. Lee (Chonbuk National Univ., Korea); G. Seo (Chonbuk National Univ., Korea); S. Wang (Henan Normal Univ., China); Y. G. Kim (Chonbuk National Univ., Korea).

Information: Please visit <http://ipam.chonbuk.ac.kr>.

* 4–6 **The Seventh North American New Researchers Conference**, York University, Toronto, Canada.

Description: The purpose of the conference is to provide a comfortable setting for new researchers to share their research and make connections with their peers in an informal setting. The conference is kept relatively small (50–60 participants) so as to maximize the intellectual and social interaction. All participants are expected to give a short expository talk or contribute a poster on their research. Anyone who has received a Ph.D. since 1999 is eligible to attend, although priority will be given to first-time participants. Abstracts of these talks and posters will appear in the *IMS Bulletin*.

Deadline: For receipt of applications is February 15, 2004.

Applications & Information: Please apply promptly, since the number of participants is limited. In addition, we expect to receive funding to defray travel and housing costs for participants. To apply, please submit letter of interest, curriculum vitae, title and abstract of presentation, and preference for a talk or poster to: P. Song, Dept. of Math. and Statistics, N520 Ross Building, 4700 Keele St., York University, Toronto, Ontario, Canada M3J 1P3; email: song@mathstat.yorku.ca; <http://www.math.yorku.ca/StatsSection/NRC/>.

September 2004

* 2–4 **2nd International Conference on Soft Methods in Probability and Statistics**, Edificio Historico de la Universidad, Oviedo, Spain.

Description: The scope of SMPS 2004 is to bring together experts representing all existing approaches used in soft probability and statistics. In particular, papers (both theoretical and applied) combining probability and statistics with fuzzy logic, applications of the Dempster-Shafer theory, generalized theories of uncertainty, generalized random elements, generalized probabilities, and so on will be welcome.

Call for Papers: Full papers of 5–8 pages (A4) written in English should be submitted by email no later than February 15, 2004, to com2smips@correo.uniovi.es.

Main Speakers: L. A. Zadeh, I. S. Molchanov, H. T. Nguyen, Y. Ogura, and D. A. Ralescu.

Organizers (general chairs): M. A. Gil and M. Lopez-Díaz.

Information: <http://web.uniovi.es/SMPS>; email: smps2004@correo.uniovi.es.

* 20–24 **12th French-German-Spanish Conference on Optimization**, University of Avignon, Avignon, France.

Description: This conference is the 12th in the series of French-German meetings which started in Oberwolfach in 1980 and was continued in Confolant (1981), Luminy (1984), Irsee (1986), Varetz (1988), Lambrecht (1991), Dijon (1994), Trier (1996), Namur (1998), Montpellier (2000), and Cottbus (2002). Since 1998 the conference has been organized under the participation of a third European country. In 2004 the guest country will be Spain. The conference will in particular promote the contacts between researchers of the three involved countries and provide a forum for sharing recent results in theory and applications of optimization. However, scientists from other countries are also encouraged to participate.

Organizer: Group of Nonlinear Analysis and Optimization of the University of Avignon.

Topics: Smooth and nonsmooth continuous optimization problems, numerical methods for mathematical programming, optimal control and calculus of variations, differential inclusions and set-valued analysis, stochastic optimization, multicriteria optimization, game theory and equilibrium concepts, optimization models in finance and mathematical economics, optimization techniques for industrial applications. Contributions on other issues related to optimization are also welcome.

Plenary Speakers: A. Ben-Tal (Israel), E. Carrizosa (Spain), E. Casas (Spain), Lachand-Robert (France), J.-B. Lasserre (France), Y. Nesterov (Belgium), U. Rieder (Germany), R. Tichatschke (Germany), S. Tijs (The Netherlands), F. Troeltzsch (Germany), E. Zuazua (Spain).

Scientific Committee: F. Bonnans (France), J.-B. Hiriart-Urruty (France), F. Jarre (Germany), M. Lopez (Spain), J. E. Martinez-Legaz (Spain), H. Maurer (Germany), S. Pickenhain (Germany), A. Seeger (France), M. Thera (France).

Call for Papers: Contributions are solicited for presentation at the conference. Each accepted paper will be allotted a 30-minute talk (including discussion). The conference language is English. Besides the title of the proposed contribution, a short abstract (of at most 200 words) is also required. Deadline to propose a contribution is March 25, 2004. Acceptance or refusal notice to authors will be given by April 1, 2004.

Information: <http://www.fgs2004.univ-avignon.fr>; contact: A. Seeger (alberto.seeger@univ-avignon.fr).

The following new announcements will not be repeated until the criteria in the next to the last paragraph at the bottom of the first page of this section are met.

July 2005

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

Description: ICTMA12's purpose is the research, teaching, and practice of mathematical modelling; this meeting will have a strong focus on transitions from the real world to the mathematical model. Mathematicians; engineers and scientists; modellers in industry, government, and finance; and teachers and researchers in schools, colleges, and universities will be attracted by the conference themes.

Information: The first announcement is now available on the ICTMA12 website: <http://www.city.ac.uk/conted/research/ictma12/index.htm>, or contact ictma12@city.ac.uk.