

Mathematics Calendar

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

February 2002

* 8–9 **Current and Future Trends in Numerical PDE's: Where Is the Field, and Where Is It Going?**, Texas Inst. for Computational and Applied Mathematics, The Univ. of Texas at Austin, Austin, Texas.

Description: A conference in honor of the 75th birthday of Professor Jim Douglas, Jr.,

Program: The field of computational PDE's is undergoing several paradigm shifts due to the advent of powerful computers. The goal of the conference is to gather different communities working in computational PDEs and expose participants to some of the main current trends in the field. This meeting will challenge its participants to confront the many aspects of the task of approximating the solutions of mathematically sophisticated models, and it will expose them to some of the tools developed in the different sub-communities of computational PDE's.

Confirmed Speakers: * D. N. Arnold, Univ. of Minnesota; I. Babuska, Univ. of Texas at Austin; J. L. Bona, Univ. of Texas at Austin; J. H. Bramble, Texas A&M Univ.; * F. Brezzi, Università di Pavia & Istituto di Analisi Numerica del C.N.R.; * L. A. Caffarelli, Univ. of Texas at Austin; C. C. Douglas, Univ. of Kentucky and Yale Univ.; T. Y. Hou, California Inst. of Technology; P.-L. Lions, Univ. of Paris IX; * M. B. Lusk, School of Mathematics, Univ. of Minnesota; R. Nochetto, Univ. of Maryland; * J. Tinsley Oden, Univ. of Texas at Austin; C.-W. Shu, Division of Applied Mathematics, Brown Univ.; * M. F. Wheeler, Univ. of Texas at Austin. (*Member of Scientific Committee)

Organizing Committee: T. Arbogast, e-mail: arbogast@ticam.utexas.edu, Univ. of Texas at Austin; I. Gamba, e-mail: gamba@math.utexas.edu, Univ. of Texas at Austin.

Information: Web Site Registration: <http://www.ticam.utexas.edu/~arbogast/jim.html>.

* 21–23 **Fifth New Mexico Analysis Seminar (Sponsored by NSF)**, New Mexico State Univ., Las Cruces, New Mexico.

Main Speaker: J. J. Benedetto, Univ. of Maryland at College Park, three lectures on "Wavelets and Applications".

Description: This seminar is organized each Spring by analysis aficionados at New Mexico State Univ. and The Univ. of New Mexico. The goal is to provide an opportunity for scientific exchange and cooperation among broadly defined analysts. The centerpiece of this year's seminar is a series of one-hour lectures by John Benedetto. There is time allocated for shorter contributed talks. Doctoral students and recent Ph.D.'s are especially encouraged to participate.

Organizers: J. Alvarez (jalvarez@math.nmsu.edu), J. Lakey (jlakey@math.nmsu.edu), C. Pereyra (crisp@math.unm.edu).

Sponsor: The seminar is being sponsored by the NSF. We intend to pay, at least partially, for shared accommodations for all participants. Any remaining funds will be used to cover some travel expenses for those who have no other sources of funding (priority given to graduate students and speakers).

Deadline: If you would like to attend and/or give a talk, please contact one of the organizers by January 15, 2002.

Information: Additional information will be made available through <http://www.math.nmsu.edu/>.

March 2002

* 28–31 **Geometry and Topology in Dimensions 3 and 4**, Ohio State Univ., Columbus, Ohio.

Sponsor: The conference is supported by NSF and the Ohio State Univ.. Limited amount of financial support is available to new Ph.D.'s and graduate students. Women and minorities are especially

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 six 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/>.

encouraged to apply.

Speakers: W. Ballmann (Bonn), J. Jost (Max-Planck Leipzig), P. Li (UC Irvine), F. Luo (Rutgers), R. Hamilton (UC San Diego), G. Margulis (Yale), J. Morgan (Columbia), W. Neumann (Columbia), R. Schoen (Stanford), S-T Yau (Harvard).

Deadline: Deadline for application of support: January 1, 2002.

Information: <http://www.math.ohio-state.edu/> (to be set up soon, in the "Announcements of Upcoming Events" part) or contact F. Zheng directly at zheng@math.ohio-state.edu, phone: 614-292-0842.

April 2002

* 1-June 30 **Trimester on Algebraic Topology**, Centre de Recerca Matemàtica, Bellaterra (Barcelona).

Topics: Algebraic topology, especially some topics in modern homotopy theory, like homotopy finite group theory, functor calculus and model category structures.

Main visitors: S. Dourlens, J. Greenlees, J. Grodal, N. Kitchloo, R. Levi, J. Moller, D. Notbohm, B. Oliver, P.-E. Parent, and N. Strickland.

* 5-7 **The 5th Riviere-Fabes Symposium on Analysis and PDE**, Univ. of Minnesota, Minneapolis, Minnesota.

Speakers: D. Jerison (Mass. Inst. of Tech.), N. Katz (Washington Univ.), M. Lacey (Georgia Inst. of Tech.), W. Schlag (California Inst. of Tech.), E. Stein (Princeton Univ.), T. Toro (Univ. of Washington).

Organizing Committee: C. Kenig (Univ. of Chicago), N. Jain, N. Krylov, W. Littman, F. Reitich, M. Safonov (chair).

Contacts: M. Safonov, e-mail: safonov@math.umn.edu, phone: (612) 625-8571, fax: (612) 626-2017.

Information: See also the section Programs and Events in <http://www.math.umn.edu>.

* 11-13 **27th Arkansas Spring Lectures, "Harmonic Analysis, Multilinear Operators, and Schroedinger Operators"**, Univ. of Arkansas, Fayetteville, Arkansas.

Speaker: This year's main speaker is M. Christ of the Univ. of California, Berkeley. Professor Christ will present five lectures on "Harmonic Analysis, Multilinear Operators, and Schroedinger Operators". The following mathematicians will present one-hour talks: S. Hofman (Univ. of Missouri-Columbia), N. Katz (Washington Univ.-St. Louis), A. Kiselev (Univ. of Chicago), M. Lacey (Georgia Tech), F. Nazarov (Michigan State Univ.), W. Schlag (Princeton Univ.), A. Seeger (Univ. of Wisconsin), G. Staffilani (Stanford), C. Thiele (UCLA), S. Wainger (Univ. of Wisconsin).

Information: Regarding travel and lodging can be found at the conference website: <http://www.uark.edu/depts/mathinfo/>. Limited funds are available to support recent Ph.D.'s and graduate students who would like to attend the conference. All interested people should contact any one of the organizers at the addresses below and include their advisor's name (if students) and the title of their talk. Applications by underrepresented groups and minorities are strongly encouraged. There will be several sessions for 20-minute long contributed talks. All interested people should contact any one of the organizers at the following addresses: L. Capogna, capogna@lagrange.uark.edu; L. Lanzani, lanzani@caccioppoli.uark.edu.

* 26-28 **Twelfth Midwest Geometry Conference**, Univ. of North Dakota, Grand Forks, North Dakota.

Sponsors: The NSF, North Dakota EPSCoR, North Dakota State Univ., and the Univ. of North Dakota.

Speakers: S. Angenent, Wisconsin; B. Chow, UC San Diego; J. Dadok, Indiana Univ.; C.R. Graham, Univ. of Washington; L. Kauffman, Univ. of Illinois at Chicago; B. Kroetz, Ohio State; P. van Nieuwenhuizen (SUNY Stony Brook); A. Waldron, UC Davis.

Information: <http://www.und.nodak.edu/dept/math/mgc2002/>.

May 2002

* 15-17 **Fourth International Conference on Nonlinear* Problems**

in Aviation and Aerospace, Florida Inst. of Technology, Melbourne, Florida.

Sponsor: AIAA, IEEE, IFNA, IFIP.

Program Scope: Conference sponsors seek a spectrum of theoretical, computational, and experimental inquiries concerned with aviation, aerospace, aeronautics, and astronautics. This program will include keynote addresses, invited lectures, and contributed lectures and will involve communication with remote sites. * Non-linear means not necessarily linear; topics concerned with linear problems are also welcome.

Conference Language: English .

Call for Papers: Deadline for papers: Abstract of the paper due January 15, 2002; full paper due June 15, 2002.

Information: ICNPAA-2002, S. Sivasundaram, 104 Snow Goose Ct., Daytona Beach, FL 32119; e-mail: info@icnpaa.com; website: <http://www.icnpaa.com/>.

* 22-24 **Discrete Groups and Geometric Structures, with Applications**, K. U. Leuven Campus Kortrijk, Kortrijk, Belgium.

Speakers: Y. Benoist (ENS, Paris), B. Farb (Univ. Chicago), D. Fried (Boston Univ.), R. Grigorchuk (Steklov Inst., Moscow), F. Labourie (Orsay, Paris), A. Lubotzky (Hebrew Univ. of Jerusalem) (to be confirmed), G. Soifer (Univ. Bar Ilan).

Topics: Geometric group theory; Group actions on manifolds; Crystallographic groups and their generalisations (affine, polynomial, almost-crystallographic groups); Discrete subgroups of Lie groups; Applications in and beyond these fields.

Program: Short communications by participants will be scheduled.

Organizers: H. Abels (Bielefeld), Y. Felix (Louvain-la-Neuve), W. Goldman (College Park), F. Grunewald (Duesseldorf), P. Igodt (Leuven/Kortrijk), K. B. Lee (Norman, OK).

Information: <http://www.kulak.ac.be/workshop/>.

* 24-26 **Conference on the Interconnections among Codes, Designs, Graphs, and Molecular Biology**, Center of Theoretical Science, Chiaotung Univ., Hsinchu, Taiwan.

Short Description: In this workshop, we will explore the connections between molecular biology and such critical and interrelated ideas of discrete mathematics as combinatorial designs, codes, graphs, and categorical sequences; some of the fascinating new insights into these discrete concepts that arise from work in molecular biology; recent applications of concepts from discrete mathematics (broadly defined) in molecular biology. We will explore combinatorial design issues arising in the identification of clones containing a specific DNA sequence, coding theory problems with codewords implemented as DNA sequences, and graph theoretical concepts that arose originally from DNA reconstruction when the ends of some of the clones are radioactively tagged. We will also explore the use of group testing methods in identifying positive clones, which is a crucial step in physical-map-based sequencing.

Sponsors: DIMACS Center, Rutgers Univ., Piscataway, NJ and Chiaotung Univ., Hsinchu, Taiwan.

Organizers: F. Hwang, Chiaotung Univ.; F. Roberts, DIMACS, Rutgers Univ.; D. Torney, Los Alamos National Labs.

Contacts: F. Hwang, Chiaotung Univ., fhwang@math.nctu.edu.tw. **Local Arrangements:** J. Thiemann, DIMACS Center, jennifer@dimacs.rutgers.edu, 732-445-5928.

Information: <http://dimacs.rutgers.edu/Workshops/index.html>.

* 28-31 **ACOMEN 2002**, Liege Univ., Liege, Belgium.

Aim: The aim is to bring together engineers and applied mathematicians, dealing with advanced numerical and computational methods and simulation in various physical and engineering disciplines.

Topics: The conference focuses on advanced numerical and computational methods, applied to direct and inverse problems in the following themes: solid and structural mechanics, acoustics and vibration control, heat/mass transfer and phase change, environmental engineering, fluid flow and porous media, electric and

magnetic fields, industrial topics, computational mathematics and simulation.

Information: <http://cage.rug.ac.be/~acomen/>; e-mail: acomen@cage.rug.ac.be.

June 2002

* 2–8 **Combinatorics 2002**, Maratea (Potenza), Italy.

Conference Theme: Combinatorial theory, finite geometries, incidence structures, coding theory, designs and graphs.

Invited Speakers: J. Bierbrauer (Michigan Technological Univ., Houghton, USA), P. V. Ceccherini (Univ. "La Sapienza", Rome, Italy), C. Hering (Univ. Tübingen, Tübingen, Germany), J.W.P. Hirschfeld (Univ. of Sussex, Brighton, UK), B. Jackson (Goldsmiths College, London, UK), N.L. Johnson (Univ. of Iowa, Iowa City, USA), C.C. Lindner (Auburn Univ., Auburn, USA), L. Lovász (Microsoft Research, Redmond, Washington, USA, and Eötvös Loránd Univ., Budapest, Hungary), G. Lunardon (Univ. "Federico II", Naples, Italy), K. Metsch (Univ. Gießen, Gießen, Germany), T. Penttilä (Univ. of Western Australia, Crawley, Australia), T. Szonyi (Eötvös Loránd Univ., Budapest, Hungary), J. A. Thas (Univ. Gent, Gent, Belgium), Q. Xiang (Univ. of Delaware, Newark, USA).

Organizing Committee: A. Bonisoli, A. Cossidente, M. Funk, G. Korchmáros, V. Napolitano, A. Siciliano, A. Sonnino; e-mail: comb2002@unibas.it.

Information: <http://www2.unibas.it/utenti/comb2002/>.

* 10–14 **Théories d'Homologie, Représentations et Algèbres de Hopf**, CIRM, Luminy, Marseille, France.

Description: Homological theories, representation theory, and Hopf algebras, mainly in a noncommutative nor semisimple finite dimensional frame. This meeting is part of the cooperation program between France and various countries of South America. The number of places is limited. Inscriptions of any interested mathematician are welcome.

Deadline for inscriptions: May 5, 2002.

Information: <http://gauss.math.univ-montp2.fr/~cibils/CIRM2002/>.

* 18–22 **The Barcelona Conference on Stochastic Inequalities and Their Applications (A EuroConference)**, Bellaterra (Barcelona).

Scientific committee: E. Giné, Ch. Houdré, and D. Nualart.

Organizing committee: D. Nualart, F. Utzet, A. Kohatsu, and M. Jolis Further.

Information: <http://www.crm.es/stochineq/>.

* 19–21 **The EUROMECH Colloquium 437: Identification and Updating Methods of Mechanical Structures**, Prague, Czech Republic.

Scientific Topics: Parametric identification in frequency and time domain, Curve fitting of transfer functions, Identification of vibrating systems with small nonlinearity, Spectral and modal sensitivity, Updating methods of finite element models, Tuning and vibrodiagnostics of mechanical structures, Robustness of model-based decisions with respect to uncertainties.

Chairpersons and Contacts: I. J. Kozanek, Inst. of Thermomechanics, Academy of Sciences of the Czech Republic, Dolejskova 5, 182 00 Prague 8, Czech Republic; fax: +420-2-8584695; e-mail: ec437@it.cas.cz; euromech.437@it.cas.cz; G. Lallement, Applied Mechanics Laboratory RC., Univ. of Besancon, 24, rue de l'Épitaphe, 250 00 Besancon, France.

Information: <http://www.it.cas.cz/ec-437/>.

* 24–28 **The Third International Conference on High Dimensional Probability**, Sandbjerg Estate, Denmark.

Information: <http://www.maphysto.dk/events/H DPR2002/>.

July 2002

* 1–6 **Advanced Course on Mathematical Finance: Further Models**, Bellaterra (Barcelona).

Coordinator: J. del Castillo.

Information: <http://www.crm.es/matfin/>.

* 2–6 **2002 Barcelona Conference on Algebraic Topology (a EuroConference)**, Institut d'Estudis Catalans, Barcelona.

Scientific committee: C. Broto, C. Casacuberta, H. Miller.

Organizing committee: J. Aguadé, C. Casacuberta.

Information: <http://www.crm.es/2002bcats/>.

* 7–12 **The 5th Americas Conference in Differential Equations and Nonlinear Dynamics**, Univ. of Alberta, Edmonton, Canada.

Scientific Committee: J. Cossio (Colombia), G. Flores (Mexico), B. Langford (Canada), H. Leiva (Venezuela), R. Manasevich (Chile), K. Mischaikow (US), H. Rodrigues (Brazil), O. Rubio (Peru).

Plenary Speakers: J. Hale (USA), H. Rodrigues (Brazil), M. Lewis (Canada), J. Wu (Canada), R. Manasevich (Chile), A. Castro (Colombia, USA), A. Minzoni (Mexico), T. Gedeon (USA), R. Gardner (USA), K. Lu (USA), J. Mallet-Paret (USA), P. Polacik (USA), Y. Yi (USA), H. Leiva (Venezuela).

Organizing Committee: M. Li (Alberta), Co-Chair; K. Lu (Brigham Young); K. Mischaikow (Georgia Tech.); J. Muldowney (Alberta), Co-Chair; J. Wu (York).

Information: Contact website: <http://www.math.ualberta.ca/~mli/americas.htm>; e-mail: mli@math.ualberta.ca.

* 8–11 **The Tenth International Symposium on Dynamic Games and Applications**, Saint Petersburg State Univ., Saint Petersburg, Russia.

Description: The International Symposium on Dynamic Games and Applications is a biennial professional event. The tenth symposium is the first one to be held in Russia. The four-day technical program will consist of plenary sessions and presentations of contributed papers.

Organizing Committee: L. A. Petrosjan, Chairperson (Saint Petersburg State Univ., Russia); V. V. Zakharov and E. Lezhnina, Co-chairpersons (Saint Petersburg State Univ.); victor@leontief.ru; mcvictor@icape.nw.ru.

Program Committee: T. E. S. Raghavan, Chairperson (Univ. of Illinois).

Information: More information, including accommodation, registration, submission, social events, may be founded on the website <http://www.isdgrus.ru/ISDG2002/>.

* 8–12 **14th International Conference on Formal Power Series and Algebraic Combinatorics**, Univ. of Melbourne, Australia.

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

Program: Invited lectures, contributed presentations, poster session, problem session, and software demonstrations.

Program Committee: A. Guttman (Melbourne, co-chair), O. Foda (Melbourne, co-chair), S. Ariki (Tokyo), S. Billey (MIT), M. Delest (France), A. Duval (Texas-El Paso), F. Sottile (Massachusetts), S. Fomin (Michigan), V. Gasharov (Cornell), A. Hamel (Waterloo), R. King (Southampton), G. Labelle (UQAM), J.-C. Novelli (Lille), R. Pinzani (Florence), A. Rechnitzer (Toronto & Melbourne), I. Terada (Tokyo), J.-Y. Thibon (Marne-la-Vallée), D. Welsh (Oxford), T. Welsh (Melbourne), N. Wormald (Melbourne).

Organizing Committee: A. Guttman (Melbourne, chair), N. Bergeron (York), R. Brak (Melbourne), C. Greenhill (Melbourne), A. Owczarek (Melbourne).

Invited Speakers: The list of invited speakers is not complete yet. However, the following scientists have already accepted to give an invited talk at FPSAC 2002: H. Barcelo (USA), J. de Gier (Australia), P. Di Francesco (France), P. Forrester (Australia), C. Krattenthaler (Austria), B. McKay (Australia), T. Prellberg (Germany), A. D. Sokal (USA), O. Warnaar (Australia).

Languages: English and French.

Deadlines: Paper and poster submission: Extended abstracts of at most twelve pages or full articles of at most twenty-five pages by December 15, 2001. Software submission: February 15, 2002. Open problem session: June 1, 2002. Registration: April 1, 2002.

Information: See the conference homepage at <http://www.fpsac.ms.unimelb.edu.au/> or e-mail: fpsac@ms.unimelb.edu.au.

* 8–19 **Dynamic Equations on Time Scales (Measure Chains)**, Univ. of Wyoming, Laramie, Wyoming.

Description: The theory of dynamic equations on time scales has recently received a lot of attention and was introduced by Stefan Hilger in his Ph.D. thesis in 1988 (supervised by Bernd Aulbach) in order to unify continuous and discrete analysis. A time scale is a closed subset of the real numbers. If the time scale is the set of real numbers, the dynamic equation is an ordinary differential equation, while if the time scale is the set of integers, then the dynamic equation is a difference equation. However, since there are many other time scales, dynamic equations are much more general than ordinary differential equations and difference equations. The theory of dynamic equations on time scales has a tremendous potential for applications.

Speakers: A. Peterson (Univ. of Nebraska-Lincoln) and M. Bohner (Florida Inst. of Technology).

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

Deadline: For applications/abstracts of talks: April 1, 2001.

Information: A. D. Porter or B. L. Shader, Math. Dept., Univ. of Wyoming, Laramie, WY 82071; e-mail: bshader@uwyo.edu; <http://math.uwyo.edu/>.

* 15–18 **Modular Curves and Abelian Varieties (A EuroConference)**, Bellaterra (Barcelona).

Coordinator: J. Quer.

Information: <http://www.crm.es/mcav02/>.

* 15–19 **6th International Conference on the Electrical Transport and Optical Properties of Inhomogeneous Media (ETOPIM 6)**, Cliff Lodge, Snowbird, Utah.

Aim: The aim of the conference is to bring together mathematicians, physicists, and engineers to present and discuss their research findings on the electrical, magnetic, and optical properties of inhomogeneous media.

Conference Topics: Electrical transport and optical properties in composites; localization in nonlinear periodic media; photonic crystals and band-gap structures; semiconductor heterostructures; porous media and percolation; biocomposites; active composite systems such as electro- and magneto-rheological fluids, smart composites and sensors; transport in geophysical media, such as sea ice, glacial ice, soils, and rocks; electromagnetic inverse problems and imaging in inhomogeneous media; numerical methods for composites; giant magnetoresistance; magnetic nanostructures and spintronics; transport properties of nanostructures; thin film composite structures; localization in inhomogeneous materials; quantum phenomena in composites.

Information: See <http://www.math.utah.edu/etopim/> for more information.

* 15–19 **International Conference on Nonlinear Partial Differential Equations and Related Topics**, Australian National Univ., Canberra, Australia.

Description: The conference is being held in honour of Neil Trudinger's 60th birthday and is part of a Special Year on Non-linear Partial Differential Equations organized by the School of Mathematical Sciences at the Australian National Univ..

Topics: Nonlinear partial differential equations and their applications, calculus of variations, geometric evolution problems.

Speakers: A preliminary list of speakers includes M. Crandall (Santa Barbara), N. Fusco (Naples), M. Giaquinta (Pisa), E. Giusti (Florence), S. Hildebrandt (Bonn), G. Huisken (Tuebingen), H. Ishii (Tokyo), N. Ivochkina (St. Petersburg), N. Krylov (Minnesota), H. J. Kuo (Taiwan), F. H. Lin (New York), M. Safonov (Minnesota), R. Schoen (Stanford), L. Simon (Stanford), G. Tian (MIT).

Information: For further information see <http://www.maths.anu.edu.au/conferences/npde2002/> or contact J. Urbas (Chair of the

Organizing Committee), urbas@maths.anu.edu.au.

* 16–22 **7th International Spring School “Nonlinear Analysis, Function Spaces and Applications” (NAFSA 7)**, Prague, Czech Republic

Invited Speakers: J. Appell (Univ. of Würzburg), J. Cerdà (Univ. of Barcelona), E. B. Davies (King's College, Univ. of London), B. Franchi (Univ. of Bologna), P. Koskela (Univ. of Jyväskylä), J. Maly (Charles Univ., Prague), C. J. Neugebauer (Purdue Univ.).

Organizers: Mathematical Institute of the Academy of Sciences of the Czech Republic and Department of Mathematics of the Czech Univ. of Agriculture.

Chairman: B. Opic.

Deadline: for a reduced fee, February 28, 2002.

Information: <http://www.math.cas.cz/~nafsa7/>; e-mail: nafsa7@karlin.mff.cuni.cz.

* 27–29 **The Fifth Annual International Conference of Bridges: Mathematical Connections in Art, Music, and Science**, Towson Univ., Towson, Maryland.

Special Tour: One-day Bridges special tour of Baltimore and Washington, D.C., July 30, 2002.

Suggested Topics: Mathematical visualization, Mathematics and music, Computer generated art, Symmetry structures, Origami, Mathematics and architecture, Tessellations and tilings, Aesthetical connections between mathematics and humanities, Geometric art in two and three dimensions, Geometries in quilting. If a presenter is not able to submit a paper for presentation, he or she may still send an abstract (not more than 1 page), due by 5/15/02, for inclusion in the Conference Proceedings.

Information: For other information not available on the web page (or if you want to add your e-mail address to the Bridges mailing list), you may contact: R. Sarhangi, Bridges Conference, Math. Dept., Towson Univ., 8000 York Road, Towson, MD 21252, (410) 704-4922, rsarhangi@towson.edu. Bridges Advisory Board members for contacts regarding the conference: A. Assadi, Dept. Math., Univ. of Wisconsin, Madison, WI 53706, URL: <http://www.cms.wisc.edu/~cvg/>; e-mail: ahassadi@facstaff.wisc.edu; D. Daniel, Integrative Studies Program, Southwestern College, 100 College Street, Winfield, KS 67156, e-mail: ddaniel@sckans.edu. S. Jablan, The Math. Inst., Kneza Mihaila 35, 11001 Beograd, p.p. 367, Belgrade, Yugoslavia, e-mail: jablans@mi.sanu.ac.yu. M. Leyton, Center for Discrete Math. and Theoretical Computer Sci., Rutgers Univ., New Brunswick, NJ 08904, mleyton@dimacs.rutgers.edu; N. Friedman, Dept. Math. and Stat., Univ. At Albany, State Univ. of New York, Albany, NY 12222, e-mail: artmath@math.albany.edu. C. Séquin, Computer Sci. Division, EECS Dept., Univ. of California, Berkeley, CA 94720, e-mail: sequin@cs.berkeley.edu.

* 29–August 3 **Escuela Latinoamericana de Matemáticas (ELAM)**, Cartagena de Indias, Colombia.

Focus: ELAM will be focused on nonlinear analysis and approximation methods in the study of differential equations and its applications. ELAM congregate, mainly, Latinoamerican mathematicians and also participation of outstanding mathematicians of Asia, Europe, and USA.

Scientific Committee: A. Castro (USA), J. Fernando Escobar (USA), H. Frid (Brasil), Y. Lu (Colombia), G. Ponce (USA), J. Palis (Brasil), M. Zuluaga (Colombia).

Organizers: Unión Matemática de América Latina y del Caribe (UMALCA), Sociedad Colombiana de Matemáticas (SCM), Academia Colombiana de Ciencias Exactas Físicas y Naturales (ACCEFYN), Escuela Reginal de Matemáticas (ERM).

Contacts: L. Rendón (rendon@matematicas.unal.edu.co), M. Zuluaga (mzuluaga@matematicas.unal.edu.co).

Information: See <http://www.virtual.unal.edu.co/cursos/ciencias/15400/elam/elam.html>.

August 2002

* 11–17 **The 7th International Conference on Difference Equations and Applications (7th ICDEA)**, Hunan Univ. at Changsha, China.

Description: The 7th ICDEA will be held under the auspices of the International Society of Difference Equations. It is one of the satellite conferences connected with the International Congress of Mathematician (ICM), which will be held in Beijing, China.

Topics: All of the topics included in the Journal of Difference Equations and Applications including general theory of difference equations.

- General theory of difference equations; Asymptotic behavior; Oscillation theory, stability theory, discrete dynamical systems; Complex dynamics; Control theory; Combinatorics; Bifurcation theory, iterated function systems; Numeric analysis; Functional equations; Stochastic processes; Dynamics equations on time scale, and discrete analogues of continuous mathematics.

- Applications in economic theory, biology, physics, engineering, computer science and other disciplines that use difference equations in a significant way.

Contact Persons: To get information about the conference you may contact one of the following:

- China: L. Huang (applemath@mail.hunu.edu.cn), College of Math. and Econometrics, Hunan Univ., Changsha 410081, China.

- Germany: B. Aulbach (aulbach@math.uni-augsburg.de), Inst. of Math., Univ. of Augsburg, D-8900 Augsburg, Germany.

- Canada: Z. Zou (xzou@math.mun.ca), Dept. of Math. and Stat., Memorial Univ. of Newfoundland, St. John's, NF, Canada A1C 5S7.

- USA: G. Ladas (gladas@math.uri.edu), Dept. of Math., Univ. of Rhode Island, Kingston, RI 02881-0816.

- USA: S. Elaydi (selaydi@trinity.edu), Dept. of Math., Trinity Univ., San Antonio, TX 78212-7200.

Call for Organizers: If you are interested in organizing a special session on any of the above topics or other related topics, please send your proposal to one of the professors listed above.

Information: <http://www.math.mun.ca/~xzou/7thICDEA/main.html>.

* 14–17 **International Congress of Mathematicians, Game Theory and Applications Satellite Conference**, Qingdao Univ., China.

Invited speakers: R. J. Aumann (Hebrew Univ. of Jerusalem), S. Hart (Hebrew Univ. of Jerusalem), E. Kalai (Northwestern Univ., Chicago), J. F. Nash (Princeton Univ.), A. Neyman (Hebrew Univ. of Jerusalem), L. A. Petrosjan (Saint Petersburg State Univ.), D. Samet (Tel Aviv Univ.), R. Selten (Univ. of Bonn), S. Sorin (Univ. P. et M. Curie Paris 6 / Ecole Polytechnique), N. Vieille (Ecole Polytechnique, Paris).

Information: Visit our website at: <http://isdgrus.ru/> and <http://www.mathqdu.org/>.

* 15–17 **The Eighth Annual International Computing and Combinatorics Conference (COCOON'02)**, Singapore.

Information: Detail information can be found on <http://www.math.nus.edu.sg/~coco02/>.

* 17–19 **A Satellite Conference of ICM 2002**, Beijing, China.

Information: Webpage: <http://www.mathsoftware.org/>. Mirror sites: <http://www.mmrc.iss.ac.cn/~icms/>, <http://www.math.kobe-u.ac.jp/icms/>.

September 2002

* 10–20 **Advanced Course on Geometric 3-Manifolds**, Bellaterra (Barcelona).

Coordinator: J. Porti.

Information: <http://www.crm.es/geom-mani/>.

* 13–14 (REVISED) **Topics in Linear Algebra**, Iowa State Univ., Ames, Iowa. (Oct. 2001, p. 1051)

Sponsors: Inst. for Mathematics and its Applications, International Linear Algebra Society, and Iowa State Univ..

Organizers: L. Hogben (lhogben@iastate.edu), B. Cain (bcain@iastate.edu), L. DeAlba (luz.dealba@drake.edu), I. Hentzel (hentzel@iastate.edu), M. Mills (millsm@central.edu), Y. T. Poon (ytpoon@iastate.edu), H. Wu (isuhwu@iastate.edu).

Invited Speakers: S. Hedayat (ILAS Lecturer), Univ. of Illinois-Chicago; D. P. Jacobs, Clemson Univ.; C. R. Johnson, College of William and Mary; C. K. Li, College of William and Mary; H. Schneider, Univ. of Wisconsin-Madison.

Description: This conference will provide an opportunity for those working in several areas of linear algebra to meet, share ideas, and work together. The conference is organized around the following topics: matrix completion problems, numerical ranges, matrix stability and convergence, applications of linear algebra to nonassociative algebra, statistical applications of linear algebra. For each topic there will be a presentation by an invited speaker, a session for contributed papers, and a work session. There will also be a contributed paper session for areas of linear algebra within the focus of the conference but not specifically within one of the topics. Speakers will have the opportunity to submit their papers for publication in a special issue of the *Electronic Journal of Linear Algebra* (ELA), "Proceedings of the Topics in Linear Algebra Conference". All papers will be refereed by ELA to its usual standards.

Call for Papers: Contributed talks of 20 minutes in length are invited. To contribute a talk, submit the title and abstract by May 1, 2002, to L. DeAlba (luz.dealba@drake.edu).

Information: <http://www.math.iastate.edu/lhogben/TLA/homepage.html>.

October 2002

* 9–11 **The 7th Conference "Shell Structures. Theory and Applications" (SSTA2002)**, Gdansk, Poland.

Information: (<http://www.pg.gda.pl/ssta2002/>). For additional information please contact Conference Secretary (ssta2002@pg.gda.pl).

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.