

NEWS FROM OUR ASSOCIATES

(from UA)

VIEWS ON ODES

June 21-24, 2006

Aveiro, Portugal

ORGANIZERS

Vasile Staicu (Chairman), Alexandre Almeida, António Caetano, Luís Castro, José Mendes, Eugénio Rocha and João Santos (all Univ. of Aveiro).

The conference “Views on ODEs” will celebrate the 65th birthday of Professors Arrigo Cellina (Milan, Italy) and James A. Yorke (Maryland, USA) and aims to bring together those enrolled in research activities related with ordinary differential equations, differential inclusions and their applications. The main topics are: Dynamical systems, Bifurcations, Invariant measures, Chaotic attractors, Prevalence, Population dynamics, Markov operators, Semigroups, Viscosity solutions, Hamilton-Jacobi equations, Hyperbolic systems, Optimal control and differential inclusions, Variational and topological methods.

INVITED SPEAKERS

Zvi Artstein (Weizmann Inst. of Science, Rehovot, Israel), Jean-Pierre Aubin (CREA - École Polytechnique, Paris, France), Stefano Bianchini (SISSA-ISAS, Trieste, Italy), Alberto Bressan (Penn State Univ., USA), Francis Clarke (Univ. Claude Bernard Lyon 1, France), Constantin Corduneanu (Univ. of Texas at Arlington, USA), Francesco S. De Blasi (Univ. degli Studi di Roma Tor Vergata, Italy), Rui Dilão (IST, Technical Univ. of Lisbon, Portugal), Helene Frankowska (CREA - École Polytechnique, Paris, France), Andrzej Lasota (Univ. of Silesia, Katowice, Poland), Jean Mawhin (Univ. Catholique de Louvain, Louvain-la-Neuve, Belgium), Stefan Mirica (Univ. of Bucharest, Bucharest, Romania), Josef Myjak (Univ. degli Studi dell’Aquila, Italy), Boris S. Mordukhovich (Wayne State Univ., Detroit, USA), Farruh Mukhamedov (Depart. of Physics, Univ. of Aveiro, Portugal), Rafael Ortega (Univ. of Granada, Granada, Spain), Mitsuharu Otani (Waseda Univ., Tokyo, Japan), Carlos Rocha (IST, Technical Univ. of Lisbon, Portugal), Biagio Ricceri (Univ. of

Catania, Catania, Italy), Nikolaos Papageorgiou (National Technical Univ. of Athens, Greece), Giulio Pinigiani (Univ. of Florence, Florence, Italy), Miguel A. F. Sanjuan (Univ. Rey Juan Carlos, Madrid, Spain), Susanna Terracini (Univ. of Milano, Bicocca, Italy).

For more information, see

www.divp-proj.org

(from UC)

12TH EUROPEAN INTENSIVE COURSE ON COMPLEX ANALYSIS AND APPLICATIONS TO PARTIAL DIFFERENTIAL EQUATIONS

June 26-July 7, 2006

Coimbra and Aveiro, Portugal

ORGANIZERS

Amílcar Branquinho and J. Carvalho e Silva (Univ. of Coimbra), Ana Foulquié and Maria Isabel Cação (Univ. of Aveiro).

This intensive course follows the eleven held at the Universities of Coimbra and Aveiro from 1995 to 2005. This intensive course will have a total of 40 hours of lectures and is at postgraduate level. Lecturers will have time available to discuss with the students. This course is organized by the Universities of Coimbra and Aveiro with the same goals as the ones organized under the Socrates/Erasmus Intensive Program of Higher Education, and is opened to all young mathematicians interested in Complex Analysis and its applications.

INVITED LECTURERS

Andrei Martínez Finkelshtein (Almería Univ., Spain)
The Riemann-Hilbert technique for Polynomials Orthogonal on the Unit Circle

Guillermo López Lagomasino (Carlos III Univ., Spain)
Multi-Orthogonal Polynomials

Irene Falcão (Minho Univ., Braga, Portugal)
*Numerical conformal mappings and generalizations:
part I*

Sebastian Bock (Bauhaus-Univ. Weimar, Germany)
*Numerical conformal mappings and generalizations:
part II*

There will be a Workshop on “Applications and Generalizations of Complex Analysis” on the 1st of July, sponsored by CIM (www.mat.uc.pt/~ajplb/9th.htm).

For more information, see

www.mat.uc.pt/~ajplb/12.htm

(from IST)

ICORS 2006
INTERNATIONAL CONFERENCE ON ROBUST
STATISTICS

July 16-21, 2006

Lisbon, Portugal

ORGANIZERS

Conceição Amado, Rosário Oliveira, Ana Pires and Isabel Rodrigues (Technical Univ. of Lisbon), Carla Pereira (Univ. of Porto), Peter Rousseeuw (Univ. of Antwerp), Manuela Souto de Miranda (Univ. of Aveiro).

The ICORS 2006 conference aims to join people working on robust statistics and related fields. It intends to bring together both leading experts and young researchers, thus creating a forum to cover recent progress and to stimulate exchanges among active researchers. The conference will also encourage informal contacts and discussions between participants.

Contributions to applied statistics are welcome as well as theoretical ones, introducing new problems related to or interacting with robust statistics.

Previous ICORS meetings were held in: Vorau (2001), Vancouver (2002), Antwerp (2003), Beijing (2004) and in 2005 in Jyväskylä.

INVITED SPEAKERS

Jorge Adrover (National Univ. of Córdoba, Argentina), Claudia Becker (Martin-Luther-Univ. Halle-Wittenberg, Germany), José Berrendero (Univ.

Autónoma de Madrid, Spain), Ana Bianco (Univ. of Buenos Aires, Argentina), Javier Cabrera (Rutgers Univ., USA), Andreas Christman (Vrije Univ. Brussel, Belgium), Christophe Croux (Catholic Univ. Leuven, Belgium), Laurie Davies (Univ. of Essen, Germany), Peter Filzmoser (Vienna Univ. of Technology, Austria), Ursula Gather (Univ. of Dortmund, Germany), Marc Genton (Texas A & M Univ., USA), Ivette Gomes (Univ. of Lisbon, Portugal), Alfonso Gordaliza (Univ. of Valladolid, Spain), Xuming He (Univ. of Illinois at Urbana-Champaign, USA), Christian Hennig (Univ. College London, UK), Alfio Marazzi (Univ. of Lausanne, Switzerland), Ricardo Maronna (National Univ. of La Plata, Argentina), Ivan Mizera (Univ. of Alberta, Canada), Stephan Morgenthaler (École Polytechnique Fédérale de Lausanne, Switzerland), Hannu Oja (Univ. of Tampere, Finland), Marco Riani (Univ. of Parma, Italy), Elvezio Ronchetti (Univ. of Geneve, Switzerland), Anne Ruiz-Gazen (Univ. of Toulouse I, France), Stefan Van Aelst (Ghent Univ., Belgium), Maria-Pia Victoria Feser (Univ. of Geneve, Switzerland), Victor Yohai (Univ. of Buenos Aires, Argentina), Ruben Zamar (Univ. of British Columbia, Vancouver, Canada).

For more information, see

www.math.ist.utl.pt/icors2006

(from UC)

WORKSHOP “GEOMETRIC ASPECTS OF
INTEGRABLE SYSTEMS”

July 17-19, 2006

Coimbra, Portugal

ORGANIZERS

Joana Nunes da Costa, Joana Teles and Raquel Caseiro (Univ. of Coimbra), Nenad Manojlovic (Univ. of Algarve), Patrícia Santos (Inst. Sup. Eng. Coimbra).

This is a satellite workshop of the ICM, and is intended to focus on the following topics: Hamiltonian Integrable Systems, Bi-Hamiltonian Systems and Poisson Geometry, Quantum Integrable Systems, Superintegrability, Separability, Reduction, Lie Algebroids in Mechanics.

In addition to the invited lectures there will be contributions from the participants. The scientific committee will review the applications for contributions from the participants. PhD students are invited to participate.

INVITED SPEAKERS

Francesco Calogero (Univ. Roma “La Sapienza”, Italy)
José Cariñena (Univ. Zaragoza, Spain)
Pantelis Damianou (Univ. of Cyprus, Nicosia, Cyprus)
Jean-Pierre Francoise (Univ. Pierre et Marie Curie, Paris 6, France)
Franco Magri (Univ. Milano, Bicocca, Italy)
Juan Carlos Marrero (Univ. of La Laguna, Spain)
Yavuz Nutku (Feza Gurst Institute, Turkey)
Orlando Ragnisco (Univ. Degli Studi Roma, Italy)

For more information, see

www.mat.uc.pt/~geomis

(from UP)

XVTH OPORTO MEETING ON GEOMETRY, TOPOLOGY AND PHYSICS

July 20-23, 2006

Porto, Portugal

ORGANIZERS

Miguel Costa, Carlos Herdeiro and João Nuno Tavares (Univ. of Porto), Marco Mackaay (Univ. of Algarve), José Mourão and Roger Picken (IST, Lisbon).

The aim of the Oporto meetings is to bring together mathematicians and physicists interested in the interrelation between geometry, topology and physics and to provide them with a pleasant and informal environment for scientific interchange. The XVth Oporto Meeting is a Satellite Meeting of the ICM.

As in previous years, the meeting is focussed on the short courses given by the main speakers, which are supplemented by seminars by other participants. The talks are at the advanced graduate or postdoctoral level, and should be of interest to all researchers wishing to learn about recent developments in the overlap between geometry, topology and physics.

MAIN SPEAKERS

Frank Ferrari (Univ. Libre de Bruxelles, Belgium)
Supersymmetric Gauge Theories, Matrix Models and Geometric Transitions

Dan Freed (University of Texas at Austin, USA)
The Geometry of Abelian Gauge Fields

Nicholas Manton (Cambridge University, UK)
Supersymmetric Systems - Investigation and Interpretation

Veeravalli Varadarajan (UCLA, USA)
Unitary representations of Super Lie Groups

Albert Schwarz (Univ. of California at Davis, USA)
Supergeometry and Number Theory

For more information, see

www.fc.up.pt/cfp/omgtp2006

(from UA)

COMMUNICATING MATHEMATICS IN THE DIGITAL ERA

August 15-18, 2006

Aveiro, Portugal

ORGANIZERS

Eugénio Rocha (Chairman, Univ. of Aveiro), António Batel, Carlos Ferreira and Joaquim Pinto (Univ. of Aveiro), José Borbinha (IST-Lisbon).

The Digital Era has brought dramatical changes to the way researchers search, produce, publish and disseminate scientific work, in particular, mathematicians. This process is still evolving due to improvements in Information Science (Information Architecture, Archiving, Long-term Preservation), new achievements in Computer Science Technologies (ex. XML, Data Mining, Clustering, Recovery, Visualization, Web Tools) and initiatives as DML, Open Access Journals (ex. DOAJ), Digitisation Projects (ex. EMANI, GDZ, JS-TOR, NUMDAM), Scientific Catalogues (ex. Google Scholar), or OS Digital Repositories (ex. EPRINTS, DSpace).

CMDE2006 is a Satellite Conference of the ICM and aims to bring together researchers from areas of Mathematics, Information Sciences and Computer Sciences, providing a forum for presenting and discussing new ideas that may contribute to improve paradigms/mechanisms of producing, searching and using scientific and technical scholarship in Mathematics.

The main topics of CMDE2006 include: Data Mining, Clustering and Recovery, Digital Libraries and Archiving Networks, E-Mathematics Resources, Electronic Publishing, Free and Open Source Initiatives, Information Representation and Visualization, International Copyrights and Author's Rights, Math-networking and Electronic Communication, Mathematics E-Learning, Metadata Models and Standards, Multimedia Tools, Retrodigitisation, and Web Searching.

Presentations will be divided in four categories: Philosophical Implications on Scholarly Publishing, Theoretical and Technical, Projects and Initiatives, Software and Demonstrations.

INVITED SPEAKERS

J. Borwein (CEIC/IMU chair)
T. Bouche (NUMDAM, mini-DML project, Gallica-Math, CEDRAM)
B. Cipra (JPBM 2005 Communication Awarded)
J. Ewing (American Mathematical Society Executive Director)
P. Ion (W3C HTML-Math Working Group co-chair)
J. Kiernan (IBM Almaden Research Center)
B. Wegner (ELibM/EMIS chair)

For more information, see

www.cmde2006.org

(from IST)

INTERNATIONAL SUMMER SCHOOL AND WORKSHOP OF OPERATOR ALGEBRAS, OPERATOR THEORY AND ITS APPLICATIONS

September 1-5, 2006

Lisbon, Portugal

ORGANIZERS

Amélia Bastos (Coordinator), António Bravo, Amarino Lebre, Lina Oliveira, Paulo Pinto, Ana Moura Santos, Frank-Olme Speck (all Technical University of Lisbon).

AIMS

Operator algebras are presently one of the dynamic areas of mathematics. Nowadays Operator Algebras and

Operator Theory play an important role in different areas of Mathematics and its Applications, particularly in Mathematical Physics and Numerical Analysis.

This event is being organized at Instituto Superior Técnico, Universidade Técnica de Lisboa, Portugal, and it is a Satellite Conference of the ICM. It consists of a summer school with short courses on Operator Algebras and its Applications to Mathematical Physics and Numerical Analysis, and a workshop that will bring together researchers in the Operator Algebras and Operator Theory areas.

The main topics of the workshop include: Crossed product C^* -algebras; C^* -algebras of operators on Hardy and Bergman spaces; Invertibility theory for non-local C^* -algebras; Von Neumann algebras; Approximate methods in operator algebras; Asymptotic properties of approximation operators; Toeplitz, Hankel, and convolution type operators and algebras; Symbol calculi; Invertibility and index theory; Operator Theoretical Methods in Diffraction Theory; Factorization Theory and Integrable Systems; Applications to Mathematical Physics.

INVITED SPEAKERS

SUMMER SCHOOL COURSES

S. Power (Lancaster Univ., UK)
Subalgebras of Graph C^ -Algebras*
Konrad Schmüdgen (Leipzig Univ., Germany)
 C^ -Algebras - Selected Topics*
B. Silbermann (Chemnitz Univ., Germany)
 C^ -Algebras and Asymptotic Spectral Theory*
H. Upmeyer (Marburg Univ., Germany)
Toeplitz Operator Algebras and Multivariable Complex Analysis

WORKSHOP PLENARY LECTURERS

Mikhail Agranovich (Moscow Institute of Electronics and Mathematics, Russia)
Florin Boca (Univ. of Illinois, USA)
Lewis Coburn (State Univ. of New York at Buffalo, USA)
David Evans (Cardiff Univ., UK)
Israel Gohberg (Tel Aviv Univ., Israel)
Yuri Karlovich (Univ. Autonoma del Estado de Morelos, Mexico)
Naum Krupnik (Univ. of Toronto, Canada)
Vladimir Manuilov (Moscow State Univ., Russia)
Nikolai Nikolski (Univ. of Bordeaux, France)

Vladimir Rabinovich (Instituto Politecnico Nacional, Mexico)

Steffen Roch (Technical Univ. Darmstadt, Germany)

Stefan Samko (Univ. of Algarve, Portugal)

Ilya Spitkovski (William and Mary College, USA)

For more information, see

woat2006.ist.utl.pt

(from UNL)

SCRA2006/FIM XIII
INTERNATIONAL CONFERENCE ON
INTERDISCIPLINARY MATHEMATICAL AND
STATISTICAL TECHNIQUES

September 1-4, 2006

Lisbon/Tomar, Portugal

LOCAL ORGANIZERS

Carlos A. Coelho (Chair) and João T. Mexia (Co-Chair) (New University of Lisbon), Luís M. Grilo and Luís Merca (Polytechnic Institute of Tomar), Teresa Oliveira (Open Univ.-Lisbon).

The Forum for Interdisciplinary Mathematics, the Department of Mathematics, New University of Lisbon and the Polytechnic Institute of Tomar, are proud to co-organize a four-day International Conference in Lisbon/Tomar, Portugal. This year's conference theme is Interdisciplinary Mathematical and Statistical Techniques. 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, Differential Equations, Distribution Theory and Near Exact Distributions, Environmental

Statistics, Experimental Designs, Extreme Values, Forest Mensuration Modeling, Forest Economics, Graph Theory, Linear Statistical Inference, Mathematical Economics, Mathematics, Multivariate Statistics, Non-parametric Statistical Inference, Operations Research, Probability/Stochastic Processes, Public Health, Quality Control, Reliability and Life Testing, Sampling, Semigroups, and partner areas. Those wishing to contribute outside these areas are welcome to submit their abstracts. Suggestions for further topics and proposals to organize a symposium should be sent to the organizers.

The conference will feature separately a section on student paper competition. A selection panel will judge the presentations and make recommendations for awards. In addition, the conference will devote a session on "Editors Round Table" to help scholars appreciate the "current trends and techniques" of scholarly publications.

INVITED SPEAKERS

C. R. Rao (Penn State Univ., USA)

Barry C. Arnold (Univ. of California, Riverside, USA)

Francine Blanchet-Sadri (Univ. of North Carolina, Greensborough, USA)

Carlos Braumann (Univ. of Évora, Portugal)

Tadeusz Calinski (Agricultural Univ. of Poznan, Poland)

Richard Davis (Colorado State Univ., USA)

Angela Dean (Ohio State Univ., USA)

Malay Ghosh (Univ. of Florida, Gainesville, USA)

Steven Gilmour (Queen Mary Univ., London, UK)

Ivette Gomes (Univ. of Lisbon, Portugal)

Samad Hedayat (Univ. of Illinois at Chicago, USA)

Benjamin Kedem (Univ. of Maryland, USA)

John Stufken (Univ. of Georgia, Athens, USA)

For more information, see

scra2006.southalabama.edu