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Madrid (Spain), September 20-23, 2006
URJC - Campus de Vicálvaro
Paseo de los Artilleros s/n , 28032-Madrid



Satellite Conference

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 J. Xu, Pennsylvania State University, USA
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Invited Speakers

D. Belkic, Karolinska Institute, Stockholm, Sweden
 S. Boccaletti, Istituto Nazionale di Ottica Applicata, Italy
 E. Brändas, Uppsala Universitet, Uppsala, Sweden
 L. Brenig, Brussels Free University (ULB), Belgium
 I. Duff, Rutherford Appleton Laboratory, UK
 D. Estep, Colorado State University, USA
 D. Higham, University of Strathclyde, Scotland, UK (tentative)
 B. J. Matkovski, Northwestern University, USA (tentative)
 S. Oharu, Chuo University, Japan
 R. Verrall, Cass Business School, London, UK
 J. Xu, Pennsylvania State University, USA (tentative)
 E. Zuazua Iruondo, Universidad Autónoma de Madrid, Spain

<http://www.urjc.es/cmmse2006>

Objectives and topics of interest

In the past decade a significant progress has been made in many areas of scientific computing, with new problems and techniques appearing in the portrayal of modern dynamical processes in physics, chemistry, engineering and economics. There is furthermore a constant need in these fields for the quick and efficient advancement of information exchange with an expert audience. Conferences are often organized within specialty disciplines. In the midst of these and various other successful annual conferences there remains a niche for unifying, cross-cutting, interdisciplinary gatherings, where specialists can have exposure to diverse fields, a chance to meet new people in or near their individual areas of research, and participate in special sessions different from, but still close to, their own interests. .

Topics of general interest are:

Computational Mathematics
 Mathematical models in Economy and Insurance
 Mathematical models for the information society
 Mathematical models in Medicine
 Industrial Mathematics
 Computation in Complex Networks
 High Performance Computing
 Computational Statistics
 Computational Physics
 Computational Chemistry
 Computational Biology
 Computational Engineering
 Computational Finance

Call for papers and important dates

Authors should send papers or extended abstracts in LaTeX (only) electronically using the provided LaTeX template. Contributions should be a minimum of three pages, with no upper limit.

Papers of the highest quality will be selected by the Editors to be refereed and considered for publication in a special issue of a journal (see <http://www.urjc.es/cmmse2006>).

Deadline for early registration: July 31, 2006.
 Deadline for abstract submission: July 14, 2006.
 Notification of acceptance: July 22, 2006.

Special Sessions and Chairs

- Algorithms and Computation for Complex Networks
 S. Boccaletti, Istituto Nazionale di Ottica Applicata, Italy
 R. Criado, Universidad Rey Juan Carlos, Madrid, Spain
- Space Geodesy
 J. Ferrándiz, Universidad de Alicante, Spain
 I. Vigo-Aguiar, Universidad de Alicante, Spain
- Mathematical Medicine and Biology
 K. Belkic, University of Southern California, USA
 S. Oharu, Chuo University, Japan
- Multiple Scale Modeling of the Heart
 D. Beard, Medical College of Wisconsin, USA
 D. Xie, University of Wisconsin-Milwaukee, USA
- Stiff Computation
 H. Ramos-Calle, Universidad de Salamanca, Spain
 B. Wade, University of Wisconsin-Milwaukee, USA
- Computational Physics
 D. Belkic, Karolinska Institute, Stockholm, Sweden
- Computational Chemistry
 E. Brändas, Uppsala Universitet, Uppsala, Sweden
- Industrial Mathematics
 B. Wade, University of Wisconsin-Milwaukee, USA
- Insurance Mathematics
 R. Verrall, Cass Business School, London, UK
- Dynamical Methods in Computation and Mathematics
 F.Lopez-Pelayo, U. de Castilla-La Mancha, Spain
 J.L.G. Guirao, U. Politécnica de Cartagena, Spain
- Computational Finance
 A.Q.M. Khaliq, Middle Tennessee State University, USA
 B. Wade, University of Wisconsin-Milwaukee, USA
- Applied Differential Equations and Recent Developments in the Time Scale Theory
 M. Bohner, University of Missouri-Rolla, USA
 Q. Sheng, Baylor University, USA
- Numerical Solutions of Partial Differential Equations
 Z. Zhang, Wayne State University, USA

Organising Committee

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