

ACCOMODATION

The organizing committee has negotiated and pre-booked hotel rooms in various locations in Pau with the help of the Tourism Office which will operate as a booking office.

In view of the very large number of tourists visiting Pau in June, it is strongly recommended to make hotel reservations as soon as possible.

Participants can make hotel reservations by contacting the Tourism Office Booking Pages at:

http://www.pau-pyrenees.com/uk/espace_congressiste.php

For more informations: http://lma.univ-pau.fr/meet/mamern09/en/infos_pratiques.php

TRAVEL

For information on how to get to the conference venue, please visit:

<http://lma.univ-pau.fr/meet/mamern09/en/liens.php>

ORGANIZING COMMITTEE

- University of Pau and CNRS Délégation Aquitaine Limousin, France
B. Amaziane, O. Autexier, S. Berton, C. Blanchard, D. Capatina, D. Cooke, S. Le Borgne, A. Nadeau, M. Odunlami, M-L. Rius, D. Trujillo
- University of Granada, Spain
J. M. Aroza, D. Barrera, M. A. Fortes, M. J. Ibáñez, M. Pasadas
- University of Oujda, Morocco
D. Sbibih, D. Khattach, N. Benazzi, H. Rezqi

ORGANIZERS

- Laboratoire de Mathématiques et de leurs Applications de l'Université de Pau et des Pays de l'Adour, CNRS UMR 5142
- Departamento de Matemática Aplicada, Universidad de Granada, Granada, España.
- Département de Mathématiques et Informatique, Université Mohammed I, Oujda, Maroc.

PUBLICATION

Selected papers from MAMERN09 will be published, after a refereeing process, as a Special Issue of the Journal MATHEMATICS AND COMPUTERS IN SIMULATION

CONTACT : mamern@univ-pau.fr
WEB : <http://lma.univ-pau.fr/meet/mamern09>



Co-sponsored by IMACS:
International association for mathematics and computers in simulation



3RD INTERNATIONAL CONFERENCE ON
APPROXIMATION METHODS AND
NUMERICAL MODELING IN ENVIRONMENT
AND NATURAL RESOURCES

mamern 2009

June 8–11, 2009
Pau – France

Université de Pau et des Pays
de l'Adour & CNRS, France

University of Granada, Spain

University Mohammed I
Oujda, Morocco

The International Conference on Approximation Methods and Numerical Modeling in Environment and Natural Resources 'MAMERN' is intended to take place every two years. The term MAMERN comes from the French acronym 'Méthodes d'Approximation et Modélisation Numérique en Environnement et Ressources Naturelles'.

MAMERN'09 is organized by the University of Pau and CNRS (France), in collaboration with the University of Granada (Spain) and the University Mohammed I Oujda (Morocco). The conference focus on the following aims to:

- Gather researchers interested in the fields of approximation, numerical modeling and their applications in the environment sciences and natural resources.
- Reinforce the scientific exchanges between researchers and engineers from different areas.
- Allow the young researchers to present the results of their scientific works.
- Promote the scientific research in the field of applied mathematics to environment sciences and natural resources.
- Create around the conference topics a synergy between university competencies and social-economics operators.

The first conference, MAMERN'05, was held in Oujda, Morocco, May 9-11, 2005.

The second conference, MAMERN'07, was held in Granada, Spain, July 11-13, 2007.

TOPICS

- Approximation and modeling applied to environment sciences and natural resources
- New applications and developments in approximation methods
- Mathematics and computation in geosciences
- Modeling of ecosystems
- Oceanographic and coastal engineering
- Numerical modeling of flow and transport in porous media
- Mathematical analysis of models in porous media
- Multi-scale modeling of flow and transport in porous media
- Statistical modeling in geosciences. uncertainty quantification
- Stochastic partial differential equations

INVITED PLENARY SPEAKERS

- Jesús Ildelfonso Díaz, University of Madrid, Spain
- Jocelyne Erhel, INRIA-Rennes, France
- Giuseppe Gambolati, University of Padova, Italy
- Stéphan T. Grilli, University of Rhode Island, USA
- Hoài An Lê Thi, University of Metz, France
- Michel Panfilov, University of Nancy, France
- Carlos Parés, University of Málaga, Spain
- Victor M. Pérez-García, University of Castilla-La Mancha, Spain
- Paul Sablonnière, INSA-Rennes, France
- Pierre Samier, Total, France

MINISYMPOSIA

- Numerical Simulation of Enhanced Oil Recovery - Arjan Kamp (CHLOE, Pau, France)
- Numerical Modeling of CO₂ Geological Storage - Anthony Michel (IFP, Rueil-Malmaison, France)
- Gas Migration through Engineered and Geological Barriers for a Deep Repository for Radioactive Waste: Modeling & Numerical Simulations - Brahim Amaziane (UPPA & MoMaS, Pau, France)
- Non-Darcian Flow in Porous Media - Azita Ahmadi-Senichault & Didier Lasseux (ENSAM, Bordeaux, France)
- Multi-Scale Description of Complex Flows in Heterogeneous and Fractured Porous Media - Benoit Noetinger (IFP, Rueil-Malmaison, France)
- Numerics and Upscaling of Fissured, Deformable, Partially Saturated Porous Media - Rachid Ababou (IMF Toulouse, France)
- Water Resources/Ocean Engineering: Emphasis on Risks - Driss Ouazar (EMI, Rabat, Morocco)
- Modeling Density Driven Flow in Porous Media - Anis Younes (University of Strasbourg, France)
- Finite Volume Methods for the Numerical Simulation of Hydraulic Problems - Fayssal Benkhaldoun & Mohammed Seaid (University Paris 13, France & University of Durham, UK)
- Adaptive Anisotropic Mesh Generation: Theory and Practical Aspects - Abdellatif Agouzai & Naïma Debit (University of Lyon, Villeurbanne, France)
- PDEs with Variable Nonlinearity: Analysis and Applications - Sergey Shmarev (University of Oviedo, Spain)
- Some Aspects of Inverse Problems and their Applications - Mohamed El Alaoui Talibi (UCAM, Marrakech, Morocco)
- Mathematical Analysis of Models in Porous Media - Cédric Galusinski & Mazen Saad (University of Toulon & EC Nantes, France)
- Biomathematics: Modeling & Imaging - Charles Pierre & Franck Plouraboué (University of Pau & IMF Toulouse, France)
- Computational Methods for Stochastic PDEs - Hassan Manouzi (University of Laval, Quebec, Canada)
- Stochastic Methods for Environment Ecological Systems: Study and Applications - Simplice Dossou-Gbété (University of Pau, France)

KEY DATES

- FEBRUARY 28, 2009: deadline for submission of abstracts
- MARCH 10, 2009: notification of acceptance of abstracts
- MARCH 16, 2009: Deadline for early registration and payment
- MARCH 30, 2009: Deadline for registration and payment.

SUBMISSION GUIDELINES

Please submit abstracts in english of 2 to 4 pages. The authors contributions (oral or poster) using the conference style available at: http://lma.univ-pau.fr/meet/mamern09/en/infos_pratiques.php should be sent by e-mail to mamern@univ-pau.fr

The proceedings of the abstracts of all oral and poster presentations, will be available and distributed to all participants at the beginning of the conference.

REGISTRATION & PAYMENT

The registration fees include: conference proceedings, lunches, coffee breaks and gala dinner.

- BEFORE MARCH 16, 2009 - Students (150 €), university staff (250 €), enterprise and organisms (500 €)
- AFTER MARCH 16, 2009 - Students (250 €), university staff (350 €), enterprise and organisms (600 €)

Registration online at: <http://lma.univ-pau.fr/meet/mamern09/en/inscription.php>