



XVIII International Conference on Computational Methods in Water Resources

June 21-24, 2010, Barcelona, Spain

Introduction

The XVIII Computational Methods in Water Resources (CMWR 2010) conference will be held from June 21-24, 2010 at the Technical University of Catalunya, Barcelona, Spain, continuing the tradition of 17 previous biennial meetings held in North America and Europe.

The conference will be a forum for the dissemination of the latest ideas in the development and application of advanced computational techniques to problems in water resources and related fields, including surface and subsurface hydrology, contaminant remediation, carbon sequestration, climate change, and nuclear waste storage. A list of the specific sessions is given below.

The organizers welcome submissions that either directly involve computations for water resources or present concepts relevant to such computations. The conference will involve four days of regular and special sessions organized to address recurring, emerging, and crosscutting themes in the broader areas of computations and water resources. Several keynote speakers will highlight each of the sessions.

The conference will be environmentally friendly. Some green tips are provided on the website (<http://congress.cimne.com/CMWR2010>).

Special Sessions

A very exciting list of special sessions and plenary speakers has been developed for CMWR 2010. With the abstract deadline fast approaching (September 31st, 2009) we urge you to submit your abstract now via the tool provided at: <http://congress.cimne.com/CMWR2010>

- Advanced Numerical Methods
- Climate Change and Water Resources
- CO2 Sequestration
- Coupled Hydro-Thermal-Mechanical-Chemical Modeling
- Fate and Transport of Radionuclides in the Environment: Unique Simulation Challenges
- General Session on Groundwater
- General Session on Surface Water
- Hydrogeophysics
- Interactions between Surface, Vadose Zone and Groundwater
- Limnology
- Microscale Reactive Transport Modeling
- Model Predictions and Uncertainty Analysis
- Modeling of Subsurface Biogeochemical Processes
- Multiphase Flow and Transport Modeling on Different Scales
- Numerical Methods for Fluid Mechanics
- Numerical Simulation of Coastal Processes

- Optimization problems in Hydrology
- Root-Soil Interactions
- Stochastic Hydrology

Abstracts

- Abstracts may be submitted to a general session or to a particular special session. Abstract submission will open early *May 2009* and will close on Wednesday, *September 31, 2009*.
- Abstract submissions should be 500 words or less, and include title, author(s), author(s) affiliation, author(s) email, and abstract text.
- Both registration and abstract submission have to be performed electronically, through the conference web site <http://congress.cimne.com/CMWR2010>
- Abstracts will be reviewed with regard to scientific quality and suitability for the conference and acceptance notifications will be sent out by *October 31, 2009*
- The deadline for submission of papers for the conference proceedings will be *January 31, 2010* with any final revisions due by *March 31, 2010*
- Each presenting author is generally allowed to present one paper at the conference.
- The proceedings will be published in electronic format and will be permanently archived on the Conference web site.

Questions?

Please direct all questions or comments to cmwr2010@cimne.upc.edu . If you would like to be removed from this mailing list, please send an email to the above address and enter "REMOVE" in the subject line.

Key Dates

- Abstract Submission Closes: **September 30, 2009**
- Notification of acceptance of abstracts: **October 31, 2009**
- Papers due date: **January 31, 2010**
- Revisions due date: **March, 2010**
- XVIII Conference Dates: **June 21-24, 2010**