



CMWR XVI - Computational Methods in Water Resources

XVI International Conference, Copenhagen, Denmark, 2006

www.cmwr-xvi.org

The conference continues the tradition of the 15 previous biennial meetings, alternating between North America and Europe. The conference aims at the dissemination of the latest ideas in the development and applications of computational techniques to surface and subsurface hydrology. The organizers welcome submissions that either directly involve computations for water resources or present concepts relevant to such computations.

Keynote Speakers

Shiyi Chen - *Multiscale simulation for fluid flows in porous media: upscaling molecular dynamics to the pore scale*

Mario Putti - *Modeling surface-subsurface water interactions at the catchment scale*

Martin Blunt - *From pore-space images to multiphase transport predictions*

Lars Petter Rød - *Circulation in the Skagerrak/Northern North Sea: Insight into local response (eddies) to large scale forcing using a numerical model*

Hans Petter Langtangen - *Building Problem Solving Environments for Porous Media Flow*

Karsten Pruess - *Numerical Modeling of CO₂ Sequestration in Geologic Formations - Recent Results and Open Challenges*

Graham Fogg - *If Heterogeneity Is So Important, Why Do We Still Ignore It?*

Gabriel Katul - *Turbulent Transport Processes Near the Canopy-Atmosphere Interface: Theory, Experiments, and Simulations*

Special Sessions

In addition to regular sessions at the conference, the meeting will include the following special sessions:

Ecohydrology: From Detailed Descriptions To General Synthesis?	Amilcare Porporato, Duke University.
Geologic Sequestration of Carbon Dioxide	Duane H. Smith and Jan M. Nordbotten
Groundwater Optimal Management Session.	G. Karatzas, TU Crete
Multi-Disciplinary Approaches To Reactive Transport Simulation In Aquifer Systems.	Steven F. Carle, Lawrence Livermore National Laboratory
Pore-Scale Modelling: New Developments And Applications	Mohammad Piri, Princeton University, Rinjk van Dijke, Heriot Watt University
Water-Related International Education - B.Sc., M.Sc. and Doctorates.	Rainer Helmig, Universität Stuttgart
Multiscale methods for flow in porous media	Knut--Andreas Lie, SINTEF, Oslo
Modeling and managing coastal aquifers	Aristotelis Mantoglou, Technical University Athens
Data assimilation in water resources modelling	Henrik Madsen, DHI Denmark.
Instrumentation and field experimentation for land-atmosphere interactions	Marc Parlange, Swiss Federal Institute of Technology Lausanne
Global Climate Change and Hydrologic Processes	David Ahlfeld, University of Massachusetts Amherst
Hydrogeophysical data fusion	Andrew Binley, Lancaster University.

Local Technical Organising Committee

Philip Binning (DTU)
Peter Engesgaard (The University of Copenhagen)
Helge Dahle (The University of Bergen)

Permanent Organising Committee

George F. Pinder (The University of Vermont)
William G. Gray (The University of North Carolina at Chapel Hill)

Conference Secretariat

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Abstract submittal available	August 1 2005
Deadline for submission of abstracts	October 17 2005
Notification of acceptance of abstracts	November 14 2005
Final (and absolute) deadline for submission of papers	March 15 2006
Close of early registration	March 15 2006
XVI International Conference on Computational Methods in Water Resources	Icebreaker: Evening 18 June 2006 Conference: 19-22 June 2006