

International Conference on Environmental Applications and Distributed Computing
EADC'2006
Bratislava, Slovak Republic
October 16-17, 2006

Program

Monday	16.10.2006	8:30 – 9:30	Registration
		9:30 – 10:00	Opening ceremony
		10:00 – 10:40	Invited lecture
		10:40 – 11:00	Coffee break
		11:00 – 12:20	Session 1
		12:20 – 13:00	Session 2
		13:00 – 14:30	Lunch
		14:30 – 16:50	Session 3
		16:50 – 17:10	Coffee break
		17:10 – 17:30	Panel / Round table
		17:30 – 18:00	Program committee meeting
		18:30	Conference dinner
Tuesday	17.10.2006	8:30 – 9:00	Keynote lecture MEDIgRID
		9:00 – 11:20	Session 4
		11:20 – 11:40	Coffee break
		11:40 – 12:00	Tutorial P-GRADE
		12:00 – 12:20	Lecture EGEE Grid infrastructure
		12:20 – 14:30	Lunch
		14:30	Closing ceremony

Monday October 16, 2006

9:30

Opening ceremony

Ladislav Hluchý, George Eftichidis

10:00

Invited lecture

Roberto San José

CFD and Mesoscale Air Quality Models Integration for Urban Air Quality Applications:
Spain Case Study

Roberto San José, Juan Luis Pérez, Rosa Maria González

11:00

Section 1

HPCN Environmental Modelling and Simulation

Chair person: C. Isabella Bovolo

Animation of Forest Fire Simulation

Ján Glasa, Eva Pajorová, Ladislav Halada, Peter Weisenpacher

Operational Application of a Decision Support Tool in Fire management in Portugal

Luís Mário Ribeiro, Domingos X. Viegas, António G. Lopes, Paulo Mangana, Pedro Moura

Parallel High Performance Computer Simulations of Eulerian 4D Air Quality Modeling Systems

Roberto San José, Juan Luis Pérez, Rosa Maria González

Neural Networks Approach Towards Medico-demographical Factors Investigation

Michail Artemenko, Marina Sokolova

12:20

Section 2

Usage of Knowledge and Semantics in Environmental Applications

Chair person: Luís Mário Ribeiro

Promoting Sustainable Human Settlements and Eco-City Planning Approach: Southeastern Anatolia Region and Southeastern Anatolia Project (GAP) in Turkey as a Case Study

Bulent Acma

Workflow-based Flood Forecasting in K-Wf Grid

Ondrej Habala, Martin Mališka, Ladislav Hluchý

14:30

Section 3

Environmental Risk Assessment

Chair person: Monique Petitdidier

Assessment of Radioactive Pollution

Juraj Bartok, Martin Gažák

Modelling Shallow Landslides within the Context of a Distributed Framework for Multi-risk Assessment of Forest Fire Hazards

C. Isabella Bovolo, S. J. Abele, J. C. Bathurst

Fire Hazard Assessment: Mapping Using Fuzzy Concepts

Véronique Cesari, Laurent Durieux, Valérie Prosper-Laget, Philippe Ellerkamp, Frédérique Giroud, Claude Picard

Land Mouvement Hazard
Gaël Rosello

Geovisualizations in Medigrid
Peter Slížik, Eva Pajorová, Martin Mališka, Ladislav Hluchý

Use of Remote Sensing Data and GIS Technologies for Environmental Modeling:
The AIRSAT project
Panagiotis E. Symeonidis, Athina Kokonozi, Kostas Kourtidis, Evangelos K. Kosmidis

Grid-based Flood Application on EGEE
Viet D. Tran, Ladislav Hluchý, Branislav Šimo, Miroslav Dobrucký, Ján Astaloš

Tuesday October 17, 2006

8:30
Keynote Lecture

Medigrid Project Coordinator Information
George Eftichidis

9:00
Section 4
Grid and Cluster Computing

Chair person: Véronique Cesari

Data Management Services and Tools in MEDIgRID project
Marek Ciglan, Branislav Šimo, Martin Mališka, Ladislav Hluchý

Towards Transparent Distributed Execution in the Tornado Framework
Filip H.A. Claeys, Maria Chtepen, Lorenzo Benedetti, Webbey De Keyser, Peter Fritzson, Peter A. Vanrolleghem

Project DEGREE - Bringing Grid into the Earth Science
Monique Petitdidier, Ladislav Hluchý, Miroslav Dobrucký

Interactive Application Support in the Int.eu.grid project
Miroslav Dobrucký, Ján Astaloš, Ladislav Hluchý, Viera Šipková, Viet Tran

Grid Data Pooling

Exploitation of the Grid System for Environmental Applications

Vayia Panagiotidi, Fotis Georgatos

Calibration of Distributed Rainfall-Runoff Model with Genetic Algorithms and Shuffled
Complex Evolution Approach

Pao-Shan Yu, Yu-Chi Wang

Medigrid Application Portal

Branislav Šimo, Martin Mališka, Marek Ciglan, Ladislav Hluchý

11:40

Tutorial

P-GRADE

Parallel Grid Run-time and Application Development Environment

Viera Šipková

12:00

Lecture

EGEE Grid infrastructure

Ján Astaloš

Presentation equipment

Each talk has a time slot of 20 minutes. Please speak for 15 minutes and leave 5 minutes for questions.

In conference room there will be a Personal Computer available for presentations, with Microsoft Power Point and Adobe Acrobat Reader installed.

You can load your presentation into the PC via

- USB MEMORY KEY
- CD

Please contact your session chair a few minutes before the start of the session with short biography written, if not done previously via our conference system.

In case you need to use your personal laptop, please contact your session chair before the session starts.