

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

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**Preliminary Program**

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

***Invited lecture***

#18

CFD and Mesoscale Air Quality Models Integration for Urban  
Air Quality Applications: Spain Case Study  
Roberto San Jose, Juan Luis Perez, Rosa Maria Gonzalez-Barras

***Section 1***

***HPCN Environmental Modelling and Simulation***

#41

Animation of forest fire simulation  
Ladislav Halada, Eva Pajorová, and Ján Glasa

#4

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

Luis Mario Ribeiro

#19

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

Roberto San Jose, Juan Luis Perez, Rosa Maria Gonzalez-Barras

#2

Neural Networks Approach Towards Medico-Demographical Factors Investigation

Marina Sokolova and Michail Artemenko

## ***Section 2***

### ***Usage of Knowledge and Semantics in Environmental Applications***

#1

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

#43

Workflow-based Flood Forecasting in K-Wf Grid

Ondrej Habala, Martin Mališka, and Ladislav Hluchý

## ***Section 3***

### ***Environmental Risk Assessment***

#47

Assessment of Radioactive Pollution

Juraj Bartok and Martin Gažák

#23

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

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

#3

Use of remote sensing data and GIS technologies for environmental modeling: The AIRSAT project

Panagiotis E. Symeonidis, Athina Kokonozi, Kostas Kourtidis, Evangelos K. Kosmidis

#40

Geovisualizations in Medigrid  
Peter Slížik and Eva Pajorová

#46

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

#### ***Section 4***

##### ***Grid and Cluster Computing***

#39

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

#11

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

#45

Project DEGREE - bring Grid into the Earth Science  
Miroslav Dobrucký and Ladislav Hluchý

#44

Interactive application support in the Int.eu.grid project  
Miroslav Dobrucký, Ján Astaloš, Viera Šipková, and Ladislav Hluchý

#17

Grid Data Pooling  
Vayia Panagiotidi and Fotis Georgatos

#20

Calibration of Distributed Rainfall-Runoff Model with Genetic  
Algorithms and Shuffled Complex Evolution Approach  
Pao-Shan Yu and Yu-Chi Wang

#38

Medigrid application portal  
Branislav Šimo, Martin Mališka, Marek Ciglan, and Ladislav Hluchý

***Tutorial***

P-GRADE

Parallel Grid Run-time and Application Development Environment

Viera Šipková

***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.

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