

**International Workshop
on
Grid Computing for Complex
Problems**

**—
GCCP2005**

**29 November - 1 December 2005
Bratislava, Slovakia**



Tuesday 29 November 2005

session 1 (2005-11-29 10:00->12:00)		Description: <i>invited lectures</i>
		Chairperson: Ladislav Hluchy
		Location: IISAS, Bratislava, room No.102
10:00	welcome (15')	Ladislav Hluchy (IISAS, Bratislava)
10:15	Grid Computing in Projects of IISAS (Gridové počítanie v projektoch ÚI SAV) (45')	Ladislav Hluchy (IISAS, Bratislava)
11:00	EGEE middleware for grid application developers (1h00')	Miroslav Ruda (CESNET)
session 2 (2005-11-29 13:30->19:45)		Description: <i>invited lectures and demos</i>
		Chairperson: Ladislav Hluchy
		Location: IISAS
13:30	Interactive Result Visualization on the Grid (1h00')	Paul Heinzlreiter (GUP, Johannes Kepler University Linz)
14:30	Virtual Laboratory - closer the eScience (45')	Marcin Lawenda (PSNC Poznan)
15:15	-- coffee break --	
15:45	P-GRADE Portal: Towards a User-friendly Grid Environment (1h00')	Miklos Kozlovsky (MTA SZTAKI, Budapest)
16:45	FloodGrid demo (CrossGrid project) (30')	Miroslav Dobrucky (IISAS, Bratislava)
17:15	K-Wf Grid project demo (30')	Ondrej Habala (IISAS, Bratislava)
18:00	welcome reception	

Wednesday 30 November 2005

session 3 (2005-11-30 09:00->12:15) **Chairperson:** Jan Astalos
Location: IISAS

09:00	Mediterranean Grid of Multi-Risk Data and Models (25')	Miroslav Dobrucky (IISAS, Bratislava)
09:25	Grids and User Applications (25')	Viera Sipkova (IISAS, Bratislava)
09:50	Job management in the LCG-type Grid (25')	Miroslav Dobrucky (IISAS, Bratislava)
10:15	IEPSAS-Kosice: experiences in running LCG site (25')	Marian Babik (IISAS, Bratislava)
10:40	coffee break	
11:00	Latest advances in fully coupled thermal structural calculations using finite element method (FEM) with new energy conservation equation (25')	Ladislav Ecsi (SjF STU Bratislava)
11:25	Simulation of Data Flow Architecture in Parallel environment (25')	Marek Straka (FEI TU Kosice)
11:50	CERN/LHC exeperimenty ATLAS, ALICE a ich výpočtové nároky na GRID (25')	Blahoslav Pastircak (UEF SAV, Kosice)

session 4 (2005-11-30 13:15->18:10) **Chairperson:** Miroslav Dobrucky
Location: IISAS

13:15	GRID TECHNOLÓGIE V MODELOVANÍ DOPRAVNEJ PROBLEMATIKY (25')	Peter Kvasnica (CIT Trencin)
13:40	A Real-Coded Genetic Algorithm for the Determination of Liquids Refraction Index (25')	Jan Pigosova (UM SAV, Bratislava)
14:05	Ordered Fuzzy Decision Tree Building in Parallel (25')	Vitaly Levashenko (ZU, Zilina)
14:30	e-Science: Experiences with utilization of the grid computational model based on using the ARC middleware (25')	Jozef Cernak (UPJS Kosice)
14:55	E-veda v EGEE - virtualne organizacie (25')	Adrian Toth, Tomas Daranyi (IISAS, Bratislava)

15:20	coffee break	
15:40	Authentication in Grid (25')	Adrian Bagala (FIIT STU Bratislava)
16:05	Optimization of Linear Codes (25')	Ivan Simecek (CVUT Praha)
16:30	ENVIROMENTAL ASSESMENT OF CLIMATE- CHANGE DRIVEN RISKS IN LANDSCAPE – DECISION SUPPORT TOOL (25')	Rastislav Skalsky (VUPOP Bratislava)
16:55	Selected Part of Solving Sparse System over Z2 via Block Lanczos Algorithm (25')	Marek Sys (FEI STU Bratislava)
17:20	Aplikacie superpocitacov v kvantovej chemii (Supercomputers applications in quantum chemistry) (25')	Martin Breza (CHTF STU Bratislava)
17:45	Collaboration and Knowledge Sharing in Grid Applications (25')	Michal Laclavik (IISAS, Bratislava)

Thursday 01 December 2005

session 5 (2005-12-01 09:30->12:00)		Description: <i>lectures and panel discussion</i>
		Chairperson: Viera Sipkova
		Location: IISAS
09:30	Knowledge Assimilation for Performance Prediction of Grid Services for optimal Workflow Execution (30')	Zoltan Balogh (IISAS, Bratislava)
10:00	Grid infrastructures in Central Europe (30')	Jan Astalos (IISAS, Bratislava)
10:30	coffee break	
11:00	Panel discussion (1h00') "Future of Grid computing in Slovakia."	