

2nd International Workshop on Grid Computing for Complex Problems
GCCP'2006
Bratislava, Slovak Republic
November 27-29, 2006

Preliminary Program

Monday	27.11.2006	13:00 – 13:30	Registration
		13:30 – 13:40	Opening session
		13:40 – 14:20	Invited lecture
		14:20 – 16:20	Charon - Lecture with hands-on
		16:20 – 16:40	Coffee break
		16:40 – 17:40	Session 1
		17:40 – 19:00	Session 2
Tuesday	28.11.2006	9:00 – 9:20	Invited lecture
		9:20 – 11:00	Session 3
		11:00 – 11:20	Coffee break
		11:20 – 13:00	Session 4
		13:00 – 14:00	Lunch
		14:00 – 15:40	Course for system administrators
		15:40 – 16:00	Coffee break
		16:00 – 16:30	Tutorial and demo
		16:30 – 16:50	Panel / Round table
		16:50 – 17:20	Consortium "Slovak grid"
		17:20 – 17:40	Program committee meeting
		18:00	Reception
Wednesday	29.11.2006	9:00 – 9:40	Invited lecture
		9:40 – 11:00	Session 5
		11:00 – 11:20	Coffee break
		11:20 – 12:40	Session 6
		12:40	Closing ceremony

Monday November 27, 2006

13:40

Invited lecture

A Generic Grid Environment for Central Europe: A Study of Rotaxanes Behavior
Jan Kmuniček, Daniel Kouřil, Petr Kulhánek, and Martin Petrek

14:20

Charon - Lecture with hands-on (Prednáška o systéme Charon) in Czech language

Utilizing E-Science through Charon Extension Layer Toolkit
Lecturers of the hands-on: Jan Kmuniček, Martin Petrek

16:40

Session 1

Track 1

Grid & Cluster Computing

#1

A conception of parallel graphic architecture for large graphical data volume visualization in grid architecture environment

Branislav Sobota and Marek Straka

#7

Statistical response to the point defect of magnetic dot array simulated on a grid platform

Pavel Baláž, Denis Horváth, and Martin Gmitra

#24

The model of the current stellar perturbations on the Oort Cloud

Luboš Neslušan, G. Leto, M. Jakubík, and T. Paulech

17:40

Session 2

Track 2

Knowledge & Semantics in Grid & Cluster Computing

#23

Knowledge-based Approach to Service Performance Estimation for Grid Workflows

Zoltán Balogh, Ladislav Hluchý

#18

K-Wf Grid Portal - A portal for semantic workflows

Emil Gatial and Martin Šeleng

#22

Workflow and Knowledge Support for Flood Forecasting

Ondrej Habala, Martin Mališka, Michal Laclavík, Marián Babík, Emil Gatial, Ladislav Hluchý

#16

Semantic Analysis of Grid Workflows

Martin Šeleng, Michal Laclavík, Zoltán Balogh, and Ladislav Hluchý

Tuesday November 28, 2006

9:00

Invited lecture

High Performance Methods for Regional Weather Forecasting

Anatoliy Doroshenko, Vitaliy Prusov and Yuriy Tyrchak

9:20

Session 3

Track 3

HPD Computing & Large Scale Simulations

#29

Parallel implementation of Ant Colony Optimization algorithms

Štefan Baboš, Ivan Hanuliak

#8

Simulation of avalanche dynamics in a computational grid

Jozef Černák, Alexander Dirner

#11

Modelling Speed of the Aircraft at the Computer System of the Simulator

Peter Kvasnica, Tomáš Páleník

#12

Mobile Networks System Level Simulations with Grid Computing

Pavol Lunter, Karol Slanina

#27

Parallel Grid Implementation for Laplacean Equation Computation by Gauss-Seidel Method

Peter Varša

11:20

Session 4

Track 1

Grid & Cluster Computing

#15

IEPSAS-Kosice: Experiences and advances

M. Babík, D. Bruncko, T. Darányi, L. Hluchý, L. Sandor, P. Striženec, and F. Tomasz

#31

Grid Computing in Computational Chemistry

Stanislav Biskupič, Martin Breza, and Radovan Herchel

#28

Distributed Solving of Combinatorial Problems

Karol Grondžák, Penka Martincová, Štefan Baboš, and Matúš Chochlík

#30

Support for object-oriented parallel programs for grids and clusters

Matúš Chochlík

#2

Digital Market for Non-dedicated Cluster

Michal Košťál and Pavel Tvrđík

14:00

Course for system administrators (Kurz pre systémových administrátorov) in Slovak

Kurz pre systémových administrátorov

Lecturers: Ján Astaloš, Marian Babík, Tomáš Darányi

16:00

Tutorial and demo

gLite Lightweight Middleware for Grid Computing

Lecturers: Viera Šipková and Viet D. Tran

Wednesday November 29, 2006

9:00

Invited lecture

To modelling of distributed parallel algorithms

Ivan Hanuliak, Juraj Hanuliak, and Peter Hanuliak

9:40

Session 5

Track 1

Grid & Cluster Computing

#17

Mediagrid infrastructure - services and portal

Marek Ciglan, Martin Mališka, and Branislav Šimo

#21

Interactive application support - Int.eu.grid project

Miroslav Dobrucký, Ján Astaloš, Ladislav Hluchý, Viera Šipková, and Viet D. Tran

#20

Earth Science going into the Grid - DEGREE project

Miroslav Dobrucký and Ladislav Hluchý

#4

Numerical study on a solid bar with and without plastic heating – Further way to improve our energy conservation equation

Ladislav Écsi

11:20

Session 6

Track 1

Grid & Cluster Computing

#32

Effective Distributed Query Processing on the Grid

Penka Martinčová, Karol Grondzak

#19

Technické riešenie výpočtových prostriedkov pre kláštrové počítanie na báze PC
komponentov

Ľubomír Obžera

#13

About Knowledge Management and Distributed Computing in Grid Infrastructure

Peter Kurdel and Jolana Sebestyénová

#26

Overview of The Grid Authorization

Michal Zimen and Ladislav Hudec

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.