



Enabling Grids for E-science

EGEE-II NA3 Activity at ICM UW

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www.eu-egee.org



Title: Advanced Course on Grid Technologies

- 4 days, from Wednesday to Saturday, 15th – 18th November 2006
- Location: ICM University of Warsaw
- Languages: Polish / English
- 8 lectures and 8 lab exercises
- 4 teachers

The course took 4 full days, about 8 hours a day, including breaks. It was addressed to experienced users, familiar with large applications but not necessarily experienced with computational Grids. The attendees came from fundamental and applied sciences and from engineering. Every day the course contained 2-3 hours of lectures and 4-5 hours of practical exercises with computers.

- Introduction to Grid Technologies
- Grid Security
- Services and Components of a Grid System
- Applications and Demos on Gilda
- Introduction to gLite
- Job Description Language and Data Replication
- Installation of User Interface
- JDL Programming
- Message Passing Interface
- Web Services
- Key Components and Overview of the Globus Toolkit
- Storage Resource Management
- PGRADE tutorial
- Introduction to Globus Toolkit 4
- Globus Toolkit 4 Tutorial

- Miklos Kozlovsky (SZTAKI, Budapest)
- Krzysztof Nawrocki (ICM UW)
- Adam Padée (ICM UW)
- Karol Wawrzyniak (ICM UW)

- **24 participants**

- Attendees background:

- students of informatics and mathematics
 - students of electronics engineering
 - scientists from particle and nuclear physics, environment science and from biology

All participants were Polish.

- **by registration form on our website: www.polgrid.pl**

- **For all participants**
 - Networked DELL notebook
 - Gilda account
 - Linux+GTK4 given to participants on CDs after course

- **Materials for lectures and hands-on lab exercises – electronic version only**

<http://www.polgrid.pl/modules.php?name=Courses&page=4courses>

- **Paper materials: information about EGEE project and applications on EGEE, Polish press release**
The EGEE cluster at the Warsaw University

- **Overall: 4,7**
- **Majority of course components were assessed as good or very good**
- **Majority of participants valued facilities as excellent**

- **21st - 24th November 2007** (Wednesday -Saturday)
Advanced Course on Grid Technologies
 - Venue: University of Warsaw
 - Language: English (or Polish in case of only local attendees are participating)
- All information: www.polgrid.pl
- **Registration is open**

- **Elements of Grid computing included in course on Computational Particle Physics:**
 - Basics of Grid architecture
 - HEP computing model
 - Central services
 - UI
 - User guidelines
 - Submitting jobs
 - Live demos
- **Delivered by W. Wiślicki during fall semester 2006/07 at A.Soltan Institute for Nuclear Studies**
- **Attended by appr. 10 PhD students**