

Certificate

We certify herewith that **Mr Pawel Elert** attended and completed the *Advanced Course on Grid Technologies*, given at Interdisciplinary Centre for Mathematical and Computational Modelling, Warsaw University, on 15th – 18th November 2006.

This course consisted of lectures and practicals on the following subjects:

- Grid architectures and components,,
- GILDA tutorial system,
- Certification Authority and security issues,,
- Job Description Language,
- Installation of User Interface,
- Theoretical and practical introduction to gLite middleware and services,
- Data replication on the Grid,
- Skills for using Webservices,
- Using MPI for applications on the Grid,
- Working knowledge of Globus Toolkit 4,
- Using pGrade portal for workflow and service programming on the Grid.

Lectures on general Grid-related issues, and lectures and hands-on practicals on the Globus-based middleware and applications. It was organized in the framework of the 6th Framework Program EU Project *Enabling Grids for E-science in Europe (EGEE)*.

Wojciech Wiślicki
Coordinator of EGEE Warsaw Group

Warsaw, 18th November 2006