



## Course for application developers and administrators of Grid infrastructure (EGEE, SlovakGrid)

will take place on the 12<sup>th</sup> March 2008  
in the conference room in the 1<sup>st</sup> floor of the Institute of Informatics SAS  
Dúbravská cesta 9, Bratislava.

### Program Schedule :

- 10:00 Grid computing and EGEE project (M. Dobrucký)
- 10:20 SlovakGrid Web portal (P. Kurdel, J. Sebestyenová)
- 10:40 Applications gridified by the help of the II SAS  
Environment: *IMS model – Simulation of the dispersion of pollutant in the atmosphere in case of accident* (B. Šimo) (10:40)  
Biology: *Modelling of muscle cells* (M. Ciglan) (11:00)
- 11:20 -- Coffee break --  
High energy physics: *Experience and advances in Slovak LHC Grid* (M. Babík) (11:30)  
Astrophysics: *Simulation of the Unified theory of the Kuiper-belt and Oort-cloud formation* (J. Astaloš) (11:50)  
Image processing: *PCNN (Pulse Coupled Neural Network) model – Reduction of the multidimensional space of images to the space of significant features with a lower dimension* (R. Forgáč, V. Šipková) (12:10)
- 12:30 -- Lunch break --
- 13:30 Access to Grid and Grid Security (M. Dobrucký)
- 13:45 Methodology of porting applications to Grid (V. Tran)
- 14:00 Grid middleware gLite (V. Šipková)
- 14:30 Demonstration of the Grid application PCNN (V. Šipková)
- 14:45 -- Coffee break --
- 15:00 Design of a Grid Site structure (J. Astaloš)
- 16:00 Experience from the technical realization of computing clusters (Ľ. Obžera)
- 16:15 Discussion
- 16:30 Close