

Name: **Karolj Skala, Ph.D.**

Address: **Centre for Informatics and Computing
Bijenicka 54
10000 Zagreb, Croatia**

Tel.: **+385 98 209 816**
Fax.: **+385 1 4680212**
E-mail: skala@irb.hr

Topic: **Distributed computing, knowledge infrastructure and visualization**

Knowledge to offer: **Centre for Informatics and Computing at RBI is ICT oriented division and involved in four GRID related FP6 projects in the areas of distributed computing test beds (3C), high-speed computing, high throughput computing, e-science center, scientific visualizations etc. RBI can provide Grid resources of several levels of complexity. The Campus GRID is presently intended and used for scientific cluster computing with scientific instruments in the grid (e.g. NMR, electronic microscopy ...), scientific databases, distributed data acquisition (e.g. Marine ecology). Research and development at digital repositories, knowledge discovering tools and visualization for huge amount of data. Image, video and multimedia content analysis. Improvements in 3D visualisation and human - machine interaction. Development of the new methods in visual analytics.**

Role in the project: **Conduct research on the development of new distributed system architecture and program support. Data processing and management. Coordination in level of WP and problem solving activity. System integration and testing. Research and development of distributed knowledge infrastructure and sophisticated data transformation and visual mining tools.**