

**Tutorial: Introduction to Visual Analytics
at the
3rd Symposium HCI&UE Workgroup - Austrian Computer Society**

Wednesday, 21st November 2007, 13:00-17:00

Tutorial Chair: Silvia Miksch
Tutorial Presenters: Wolfgang Aigner, Alessio Bertone

Danube University Krems, Austria
Department of Information and Knowledge Engineering
Dr.-Karl-Dorrek-Str. 30, 3500 Krems, Austria
{wolfgang.aigner, alessio.bertone, silvia.miksch}@donau-uni.ac.at,
<http://www.donau-uni.ac.at/ike>

Visual Analytics is an emerging area of research and practice that aims for supporting analytical reasoning by interactive visual interfaces. The basic idea is the integration of the outstanding capabilities of humans in terms of visual information exploration and the enormous processing power of computers to form a powerful knowledge discovery environment. In the course of our half-day tutorial we will introduce this multi-disciplinary field by discussing its key issues of analytical reasoning, perception & cognition, visualization interaction, computation mining, the visual analysis process, and show potential application areas.

Keywords: Visual Analytics, Information Visualization, Human-Computer Interaction, Analytical Reasoning, User-Centered Design