

Open PhD Position in Visualization Vienna, Austria



The Interactive Visualization Group at VRVis Research Center (www.vrvis.at) offers a PhD position in the field of visualization and visual analytics.

In the scope of the project *Scenario Pool: Visual Analytics for Action Planning in the Presence of Uncertainty* (<http://visdom.at/projects/scenariopool/>), funded by the Vienna Science and Technology Fund WWTF, we will investigate visualization techniques to support action planning in flood management. The major challenge lies in the large quantity of complex information the planner has to account for. The choice of the right action at the right time depends on a variety of factors and cannot be automated. The Scenario Pool project is dedicated to research in the field of visual analytics to support users in the decision-making process.



The research will be incorporated into the Visdom (<http://visdom.at>) framework, which is jointly being developed by the VRVis and our partners at the ETH Zürich. Scientific supervision will be in collaboration with Prof. Eduard Gröller, Institute of Computer Graphics and Algorithms (ICGA), TU Vienna, and Dr. Jürgen Waser, VRVis. We provide a very stimulating and highly enjoyable working environment in a competitive, internationally oriented research institution.

We are looking for a highly motivated young scientist who is interested in scientific visualization and in contributing cutting-edge solutions to Visdom. The minimum salary as stated in the Collective Bargaining Agreement for Employees of Companies in the Service Sector for Automated Data Processing and Information Technology and according to the classification scheme is EUR 2,115.00 gross/month (14 times per year) and can be modified according to the applicant's qualification.

Applicants must have a master in computer science, mathematics, physics or a similar field and should fulfill most of the following requirements:

- Good skills in C++, GPU programming and Web programming
- Expertise in software engineering
- Motivation to contribute software components to the Visdom visualization system
- Basic knowledge in visualization and human-computer interaction
- Good knowledge of English in speaking and writing; German is appreciated, but not required
- Tenacity in problem solving and willingness to learn

Your application should include:

- Curriculum vitae
- Publication list, including talks, master thesis, projects that are online available, etc.
- A short personal statement, why you in fact apply for this position
- Letters of recommendation

If you are interested in the position, please apply via e-mail to Jürgen Waser (jwaser@vrvis.at). **Application deadline is January, 15th 2013.** Late applications will be considered until the position is filled.



Vienna, November, 2012