TECHNISCHE UNIVERSITÄT WIEN
Institut für Computergraphik und Algorithmen
Arbeitsbereich Computergraphik

Austrian Academy of Sciences
Commission for Scientific Visualization

Two Open PhD Positions in Medical Imaging, Visualization and Image Processing
Vienna, Austria

We are offering two PhD positions in Vienna, Austria in the fields of medical imaging, visualization and image processing in the scope of the project *KASI – Knowledge Assisted Sparse Interaction for Peripheral CT-Angiography* funded by FWF Austria. One open position is at the **Commission for Scientific Visualization of Austrian Academy of Sciences** and another is at the **Institute of Computer Graphics and Algorithms, Vienna University of Technology**. Both PhD positions are available immediately.

The main goal of the project is to develop new data processing and visualization techniques for diagnostics of CT-Angiographic data, which depict the vessels of lower extremities and their pathologies by means of hundreds of tomographic images. One of the students will primarily focus on development of new visualization and interaction techniques, while the responsibilities of the second one will reside in development of new algorithms for processing of volumetric data. Both students will closely collaborate with radiologists, who will be the users of the developed software.

To apply for one of the positions, you should fulfil most of the following requirements:

• Master in computer science (or similar) = mandatory
• Scientific expertise in the fields of visualization and/or image processing
• Practical experience with C++ programming and GPUs.
• Intend to do demanding and internationally competitive PhD research
• Very good English knowledge in speaking and writing

If you are interested in the positions, please apply until 31st of August 2010 via email to milos.sramek@oeaw.ac.at. After this date further applications will be considered until the positions are filled.

In your application you should include:
• Curriculum vitae
• Publication list, including talks, master thesis, projects that are online available, etc.
• Which position you are applying for
• A short personal statement, why you in fact apply for this position
• Contact information (Email, URL, street address, phone, etc.)
• URLs to places you have previously worked
• Names of references

In case of further question do not hesitate to contact us,
Eduard Gröller (groeller@cg.tuwien.ac.at),
Miloš Šrámek (milos.sramek@oeaw.ac.at)

Vienna, July 2010