

## Job Opening: Research Assistant (PhD student) scientific visualization

Graz University of Technology (TUG), Austria, Institute for Computer Graphics and Vision, invites applications for an open research position in the research group of Prof. Dr. D. Schmalstieg.

The European research project IMPACT (Image-Based Multi-Scale Physiological Planning for Ablation Cancer Treatment, <http://imppact.icg.tugraz.at>) aims at the development of a treatment planning system for Radiofrequency Ablation of Liver Tumors. Data to be visualized is mainly collected in animal studies and multi-dimensional, multi-modal, and multi-variate in nature. We are looking for a candidate having the following qualifications:

- University degree (MSc, Diplom, or equivalent) in computer science, applied mathematics, biomedical engineering or related field
- intent to pursue a PhD at TUG
- strong interest in fundamental research in visualization, especially
  - scientific visualization
  - medical visualization
  - volume rendering
  - virtual reality interaction for scientific visualization
- experience in software development and tools such as
  - C++
  - VTK/ITK
  - Open GL
  - Linux/Windows
- experience with Finite Element Analysis, GPGPU programming, or computer vision is a plus

The successful candidate is fluent in English (knowledge of German is not expected), has very good communication skills, and enjoys working in an interdisciplinary team. A very good university exam and the ability to work self dependent on research questions are expected.

If you think about applying, send a letter including curriculum vitae (preferably by email) to

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