

Job Opening: Research Assistant (PhD student) medical computer vision

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. Within the project multi-modal datasets (CT, MRI, and Histology) are collected in animal studies and have to be fused into one single model of the liver under intervention. 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 and applied research in computer vision, especially
 - medical image analysis
 - non-rigid registration
 - interactive registration refinement
 - user-guided image fusion
- experience in software development and tools such as
 - C++
 - ITK/VTK
 - MatLab
 - Linux/Windows
- experience with Finite Element Analysis, computer graphics, GPGPU programming, or image segmentation 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

Dipl.-Phys. Dipl.-Inform. Judith Mühl
Senior Researcher

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