



TECHNISCHE UNIVERSITÄT ILMENAU

The **Virtual Worlds and Digital Games Group** at the **Ilmenau University of Technology (TU Ilmenau)**, Germany, is seeking a research assistant for supporting our team in research and teaching.

Post-Doc or Ph.D. Position in Computer Vision / Global Illumination

The Ilmenau University of Technology is one of four universities in Thuringia right in center of Germany. Historically it is characterized by its engineering education. This tradition as well as the strong interdisciplinary connection to business administration, social science, and natural science determines the profile of the university. With almost 7000 students, 1000 employees and its emphasis on innovative research, the Ilmenau University of Technology is one of the leading universities of technology in Germany.

For expanding our team we are looking for a colleague holding at least a master's degree (or equivalent) in computer science, visual computing, or a comparable area. As a candidate you have experience in software development – in particular in object oriented programming – preferably in C++. Further, you have substantial knowledge in one or several of the following areas:

- computer vision (object recognition, tracking, mapping, reconstruction, SLAM)
- image and video processing (segmentation, image synthesis, image and video inpainting/reshuffling)
- global illumination (scene inference, compositing, photorealistic rendering)
- image based and physics based rendering
- 3D reconstruction and tracking
- realization of Mixed Reality / Augmented Reality / Virtual Reality systems and applications

Further, you are fluent in English and/or German, you are able to present working results, provide good communication skills, and have capacity for teamwork. For candidates we provide the opportunity to work towards a Ph.D. as part of their job.

As a faculty member you will be responsible for teaching graduate and undergraduate courses, participate in various research and development tasks, and support the acquisition of new research projects.

The Ilmenau University of Technology holds the TOTAL E-Quality certificate. Women are in particular encouraged to send their application. Disabled persons will be preferred upon providing equal qualifications.

Salary depends on the TV-L (EG 13 for university degree holders). The position is a fixed-term-employment contract for three years. Depending on the individual qualification, an extension of the contract is generally possible. The position may also be filled in by a part-time applicant. Please send your electronic application referring to the job offer number **75/2018** and including all relevant documents no later than **July 10th, 2018, 2018** as PDF to: vwds-wm@tu-ilmenau.de / bewerbung@tu-ilmenau.de

Questions regarding the position will be answered by:

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