The Rendering Group in the Institute of Computer Graphics and Algorithms at the TU Wien in Austria ([http://cg.tuwien.ac.at/](http://cg.tuwien.ac.at/)) is seeking a

**Project Assistant**

interested in obtaining a PhD degree in the area of surface reconstruction.

The position is **30h/week** and limited to **three years**. The salary is € 28,348,60/year before taxes. The potential starting date is **as soon as possible**.

The position is in the stand-alone research project *Real-time Compact Shape Acquisition with Guaranteed Precision* funded by the Austrian FWF. This provides candidates with the opportunity to do a PhD in an international renowned team led by PI Michael Wimmer.

**Tasks** comprise:

- Developing a methodology for capturing (Kinect-like) sensor noise models
- Applying these statistical models to surface fitting
- Implement geometry-processing operations on the GPU
- Evaluation and publication of the developed methods
- Writing the PhD thesis

**Requirements** for candidates are:

- Master's degree in Computer Science
- Profound knowledge in one or more of the following areas
  - Computer Graphics
  - Computer Vision
  - Computational Geometry
- Good written and spoken English

**Desired** are:

- Experience with Surface Reconstruction
- Experience with Point Clouds processing
- Experience with OpenCL and/or CUDA
- Independent working style

**Applications** should include:

- A detailed resume (with publications, if you have any)
- A motivational letter specifically referring to the open position (maximum 3 pages)
- Copies of marks and degrees/certificates
- A list of 3 references we can contact
- Your MSc thesis in English (or alternatively, a 5-page summary in English)

Please submit your application as PDF files not later than February 15th 2016 via email to Stefan Ohrhallinger: ohrhallinger@cg.tuwien.ac.at

For more information on the Rendering Group visit [http://cg.tuwien.ac.at/renderinggroup](http://cg.tuwien.ac.at/renderinggroup)