

Max Planck Institute for Intelligent Systems



MAX-PLANCK-GESSELLSCHAFT

The Max Planck Society has established a major new research direction in "Intelligent Systems" to understand the organizing principles of autonomous systems by combining theory, computation, material science and biology. The Perceiving Systems Department in Tübingen seeks for the earliest possible date

Vision, Graphics and Kinect Programmers

We are looking for several highly talented programmers with strong technical knowledge of computer vision and graphics to support basic research projects related to human body shape. You will work in an international team of researchers on cutting-edge methods for modeling, estimating, and visualizing human body shape. We particularly seek vision programmers interested in pushing the boundaries of range sensing devices such as the Kinect to estimate body shape and pose. Strong mathematical skills are important. We also seek vision programmers in all areas including segmentation, optimization, statistical image modeling, motion estimation, etc. In addition to vision research programmers, we seek experienced graphics programmers who are excited about developing new visualizations of the human body that will be used widely on the Internet. Experience with 3D mesh modeling, rigging, blend skinning, hair models, clothing simulation, and animation from motion capture are all valuable. Finally, we seek programmers with experience in developing novel vision and graphics applications for mobile devices and the web; experience with OpenGL/WebGL is desirable.

Some examples of things we have done include:

<http://www.bmvisualizer.com/>

<http://www.youtube.com/watch?v=kKV0xLe405w>

We seek highly motivated people interested in working in a challenging research environment who also want to have an impact on the world by having their code in wide use. Opportunities for technology transfer are possible.

Previous work experience in a research or startup environment is preferable. The candidate should be highly flexible, diligent, enthusiastic and reliable. The common language of the department is English; strong written and spoken English is critical.

Positions are available at all levels (Bachelor's, Master's, and PhD). Salaries will be based on previous experience according to TVöD guidelines. This is a full-time position. An initial contract will be offered for 2 years.

The Max Planck Society is committed to employing more handicapped individuals and especially encourages them to apply. The Max Planck Society seeks to increase the number of women in areas where they are underrepresented and therefore explicitly encourages women to apply.

Candidates should send their PDF application in English via e-mail to Ms. Ballmann at personal@vw.mpi-stuttgart.mpg.de.

More information about our institute can be found on <http://www.is.mpg.de>.

Multiple positions are available and will be open until filled or no longer needed.

Preference will be given to applications received by September 30, 2011.

