

The Chair of Computer Graphics and Visualization (CGV) at the Institute of Software- and Multimedia-Technology is looking for

3 scientific assistants (E 13 TV-L) and
1 postdoc (E 13/14 TV-L).

These are fixed-term positions until 2014-12-31, expected starting date is 2012-02-01 (according to TzBfG), under reserve of the provision of third-party funds (ESF).

The main task is to develop an interactive control center with an integrated programming environment for cyber-physical systems within the scope of the filed junior research group "Visual and Interactive Cyber-Physical Systems Control and Integration" (VICCI). This control center will be evaluated in a domestic application of humanoid robots that help physically handicapped people.

The research work at the CGV lab will be on acquisition and modeling of the domestic environment, processing and integration of sensor data, real-time visualization as well as visual analytics.

Tasks: Own research and publication activities in the frame of the project are explicitly requested and will be supported besides the prototypical development of single aspects of the complete system. A special area is assigned to every position in the context of the junior research group, such as 3D modeling, processing of sensor data and visualization. The position of the postdoc includes additional tasks in the field of project management.

Requirements: good or very good university degree (Diploma/Master not before 2011) in a computer science focused study course, or a PhD (not before 2011) respectively; mastering of 3D computer graphics in theory and applications; comprehensive skills in one or several areas out of 2D/3D data acquisition, geometry processing, data compression, real-time rendering, scientific visualization, and visual analytics; very good command of English; professional qualification, creativity as well as goal and team oriented scientific work. More information is provided by Stefan Gumhold (phone: +49 351 463-38212, email: stefan.gumhold@tu-dresden.de).

Applications of women are explicitly invited. The same holds for applications of disabled people. Please send your application with the usual documents no later than **12th of January 2012** to:

TU Dresden, Fakultät Informatik, Institut für Software- und Multimediatechnik,
Professur für Computergraphik und Visualisierung,
Herrn Prof. Stefan Gumhold,
01062 Dresden, Germany

or **preferably** in signed and encrypted digital form to stefan.gumhold@tu-dresden.de.

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