Postdoctoral Researcher / Research Assistant in Augmented Reality Visualization of Human Motion

Location: Trinity College Dublin (TCD). Dublin, Ireland.

Department: The candidate will be primarily based in the Graphics, Vision and Visualization group in the School of Computer Science and Statistics Trinity Dublin. Work will be conducted in close collaboration with TCD’s School of Medicine and School of Engineering.

Duration of post: Upto three years.

Closing Date: Please apply as soon as possible as the project has already started. This job posting will close as soon as a suitable candidate is found.

Indicative Salary: EUR 25,300 - 37,800 per annum depending on experience, with annual increase as per the Irish University Association’s standardised salary scales.

Qualifications: Ideally the candidate should have a PhD degree with experience in computer graphics, virtual reality or computer animation. Candidates with at least a Bachelors or Masters in Computer Science will be accepted if they can demonstrate previous experience in relevant areas in academia or industry. Experience in human animation, motion capture or augmented reality would be desirable but not essential.

Job Summary: The job will involve collaboration with TCD’s Schools of Medicine and Bioengineering in the development of a prototype wearable suit that will aid in the rehabilitation of patients with sensorimotor impairments. The role of the researcher in computer science will mainly revolve around visualizing human body motions in real-time on an augmented reality display such as the Microsoft Hololens. The visualization will be used by patients for re-training in correct gait patterns and also by clinicians in analyzing patient movement.

Queries should be addressed to: John.Dingliana@tcd.ie

Related Info: The Graphics Vision and Visualisation group, GV2, [http://gv2.scss.tcd.ie] is an internationally active research group dedicated to carrying out innovative research in computer graphics, computer vision and all aspects of visual computing. GV2 has over 40 members, who publish in the top international journals and conferences. The group is based at Trinity College Dublin [http://www.tcd.ie], Ireland’s leading university which has been ranked amongst the top 100 Universities of the world. The work will be supervised by John Dingliana, Assistant Professor. Graphics Vision and Visualization Group, whose research interests are in Visualization, Augmented Reality and Real-time Computer Graphics [more details: http://www.scss.tcd.ie/John.Dingliana].