



Researcher Position in 3D Computer Vision & 3D Geometry

The core activities of the Department Augmented Vision at the German Research Center for Artificial Intelligence (DFKI) in Kaiserslautern lie in the fields of Image Processing and Computer Vision, Sensor Interpretation and Fusion, Virtual and Augmented Reality.

To strengthen our team we offer a Researcher Position in the field of Computer Vision, rigid and non-rigid point set registration at the earliest possible date.

In an upcoming project, 3D computer vision approaches will create large point clouds of objects and scenes which may be static or dynamic. The goal is to register those partial reconstructions in order to build a complete and coherent 3D model. The partial reconstruction may have been built at different points in time and the scene may have changed in-between, what needs to be taken into account. Application scenarios may be dynamic body scanning or 3D reconstruction of endoscopic images, etc. The approaches to be developed should be efficient and real-time capable on standard PC-hardware.

Besides excellent communication and team working skills, the applicant should have profound knowledge in some of the following areas:

- Image processing and computer vision
- Optimization methods
- Bayesian statistics
- Excellent programming skills in C++ and Cuda (under Windows and/or Linux)

We offer excellent working conditions within interesting research topics in an interdisciplinary team at an internationally renowned research institute. Furthermore, we offer the possibility to pursue a PhD or to conduct teaching as a PostDoc at the University of Kaiserslautern. The open position is limited to July 2021.

More information about our department can be found at: <http://av.dfki.de>

DFKI is an equal opportunity employer. Women are especially encouraged to apply. Handicapped applicants with equal qualification will be given preferential treatment.

Applicants should send a letter of interest with passport photo and salary requirements, a CV, and additional documents to **Prof. Dr. Didier Stricker, DFKI, Trippstadter Straße 122, 67663 Kaiserslautern, Germany** or in electronic form to av-jobs@dfki.de.