Faculty of Computer Science

At the Institute of Software and Multimedia Technology, Chair of Computer Graphics and Visualization, the 6G-life Research-Hub „Digital transformation and sovereignty of future communication networks“ offers, subject to the availability of resources, one position as

Research Associate

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting as soon as possible. The position is initially limited for three years with the option of extension subject to the availability of resources. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG). The position offers the chance to obtain further academic qualification (e.g. PhD).

Task: The position involves research in computer graphics within the interdisciplinary research project 6G-life. The task of the chair of computer graphics and visualization is the development of digital twins for humans, which can be used in telepresence applications. Based on real-time capable color and depth image sensors as well as mixed reality devices, a working environment of the future is to be built that enables natural collaboration over long distances. Parameterized body, face and hand models will be used for robust real-time human capture as well as efficient low-latency transmission. Newly developed sensor technology, hardware, software and network technology will be integrated in close collaboration with project partners.

Requirements: excellent university degree (Master or equivalent) in the field of Computer Science, Photogrammetry, Measurement Technology or similar fields; ability to work independently and target-oriented in a team; high commitment; fluent in English language to write excellent papers and to participate in international conferences; interest in practice-oriented and interdisciplinary cooperation with partners. Experience with depth cameras, geometry processing, optimization, mixed reality devices as well as in implementation with C++ and of GPUs is advantageous.

More details about the 6G-life Research-Hub are given under www.6g-life.de

Applications from women are particularly welcome. The same applies to people with disabilities. Please send your application documents until September 10, 2021 (stamped arrival date of the university central mail service applies) preferably via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf document to recruitment.6glife@tu-dresden.de with the reference „6G_Gumhold“ in the subject header or to: TU Dresden, Fakultät Informatik, Institut für Software- und Multimediatechnik, Professur für Computergraphik und Visualisierung, Prof. Dr. rer. nat. Stefan Gumhold, Helmholtzstr. 10, 01069 Dresden. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis