Faculty of Computer Science

At the Institute of Software and Multimedia Technology, the Chair of Computer Graphics and Visualization together with the Institute of Artificial Intelligence, Chair of Machine Learning for Computer Vision invites applications for the Cluster of Excellence Centre for Tactile Internet with Human-in-the-Loop (CeTI) for a position as

Research Associate (m/f/x)
(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 18 months with the option of extension until December 2025, subject to a positive evaluation. 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. Balancing family and career is an important issue. The position is generally suitable for candidates seeking part-time employment. Please indicate your request in your application. The research topic is Physics-informed Human Digital Twins.

Tasks:
• curiosity-driven basic research of fundamental problems in the fields of human body pose estimation and tracking;
• design and analysis of algorithms for solving these problems exactly or approximately;
• implementation, empirical analysis and comparison of these algorithms with respect to real data;
• publication of findings in internationally leading conferences and journals (no teaching obligation).

Requirements: university degree (Diploma/Master) in computer science, mathematics or related disciplines; curiosity and strong interest in rigorous mathematical methods; proficiency in English and very good scientific writing skills; very good programming skills in C/C++, proven by code examples.

Applications from women are particularly welcome. The same applies to people with disabilities.

Please send your application documents until September 1, 2022 (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 stefan.gumhold@tu-dresden.de or to: TU Dresden, Fakultät Informatik, Institut für Software- und Multimediaotechnik, Professur für Computergraphik und Visualisierung, Herrn Prof. Dr. 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.