

The Cluster of Excellence „Centre for Tactile Internet with Human-in-the-Loop (CeTI)“ at the **Chair of Computer Graphics and Visualization** together with **the Chair of Machine Learning for Computer Vision** invites applications 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 research topic is Physics-informed Human Digital Twins. The position offers the chance to obtain further academic qualification (e.g. PhD). The position is generally also suitable for candidates seeking for part-time employment.

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 1st, 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, 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>