



Technische Universität Berlin



Technische Universität Berlin offers an open position:

Research Assistant - salary grade E13 TV-L Berliner Hochschulen

part-time employment may be possible, under the reserve that funds are granted

Faculty III - Institute for Process Engineering / Measurement and Control

Reference number: III-583/24 (starting at 01/01/25 / limited until 31/07/2026 / closing date for applications 08/11/24)

Working field:

The Control Group is looking for a colleague for an exciting project as part of the "Mixed Reality for Business (MR4B)" alliance. In this project, a prototypical solution for the Mixed Reality-b support of operation and maintenance tasks industrial environments is to be developed together with other partners at the TU Berlin and from industry. This raises new questions and challenges regarding safety and security, interaction and communication with the automation and control system of the industrial plant. The following specific tasks are to be processed:

- Adaptation and extension of existing control algorithms for the Integration of MR applications in the industrial operation and maintenance context
- Implementation of the Interfaces between MR solution and automation technology together with project partners in the academic and industrial environment
- MR support through test processes in automation and control technology
- Development of safety and security solutions for MR applications in industrial context

Requirements:

The Control Engineering group works both methodologically and on applications in various areas, such as process engineering, electrical engineering, networked systems, industry 4.0 and medical technology. It therefore welcomes applicants from a variety of fields and disciplines. With regard to the advertised position, we are looking for employees with the following qualifications and interests:

- A successfully completed scientific university degree (master's, diploma or equivalent) in a suitable subject (electrical engineering, information technology in mechanical engineering, process engineering, chemical engineering or similar)
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills
- Knowledge of control engineering and basic knowledge of process control and automation technology

Desirable:

- Independent, well-organized working methods and a solution-oriented hands-on mentality
- Ideally you have experience in the field of electronics

Please send your application **with the reference number** and the usual documents (CV, records/grades, application letter, all combined in a single pdf file, max. 5 MB) **by email to Prof. Dr. Knorn (knorn@tu-berlin.de)**.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guaranty for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/ .

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

Technische Universität Berlin - Die Präsidentin - Fakultät III, Institut für Prozess- und Verfahrenstechnik, FG Regelungstechnik, Prof. Dr. Steffi Knorn, Sekr. ER 2-1, Hardenbergstr. 36a, 10623 Berlin

The vacancy is also available on the internet at <https://www.personalabteilung.tu-berlin.de/menue/jobs/>

