



Technische Universität Berlin



Research Assistant - salary grade E13 TV-L Berliner Hochschulen

part-time employment may be possible

Faculty III - Process Sciences, Faculty III - Institute for Process Engineering / Measurement and Control

Reference number: III-406/25 (starting at 01/01/26 / limited for 4 years / closing date for applications 17/10/25)

Your responsibility:

Participation in an interdisciplinary research team in the control engineering department, in cooperation with the process engineering department, in the field of control of process engineering systems. Specifically, the mass transfer in liquid/liquid systems and subsequent separation should be modeled and controlled. This includes modeling the system dynamics based on step responses model-based optimal trajectory planning with time-varying stirring speeds and varying volume flows, optimal and robust control for batch operation and the continuously operated stirring tank. The opportunity to do a doctorate is given.

Your profile:

- Successfully completed university degree in engineering (diploma, master or equivalent)
- Extensive specialist knowledge of control technology, particularly control in the time domain
- Programming experience with MATLAB
- Basic knowledge of mass transfer and basic process engineering operations is advantageous
- Ability to work independently, systematically and practically in an interdisciplinary work group are desirable
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills

How to apply:

Please send your application with the **reference number** and the usual documents (combined in a single pdf file, max. 5 MB) **by email to Prof. Dr. Steffi 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 migrant background are welcome.

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

