

## **Faculty of Mechanical Science and Engineering**

At the **Institute of Process Engineering and Environmental Technology**, the **Process Systems Engineering Group** (leded by Prof. Urbas, Chair of Process Control Systems) offers a position as

### **Research Associate**

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

starting **01.01.2021**. The position is limited until 31.12.2021. 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.

#### **Tasks:**

The focus of your task is the functional extension of our process orchestration level software component for modular plants, which consists of a frontend and a backend. The backend organizes the control of the modules via OPC UA and provides functions via websockets for the frontend, while the frontend provides the user interface. The research results will be coordinated with the project partners from industry and science and will be published at international conferences and in recognised journals.

#### **Requirements:**

above average university degree in the field of computer science, information systems engineering, electrical engineering, process informatics or related fields. You should have an enthusiasm for new challenges. This requires solid knowledge of describing information models, as well as good programming skills in TypeScript, node.js, angular. An independent, goal- and solution-oriented way of working and inter- and multidisciplinary thinking as well as a confident command of the English and German language, both spoken and written. You enjoy new challenges and want to actively influence the trends in the automation industry for the next years and decades? Are you a creative mind for whom there are no limits? You enjoy programming, solving complex problems and CI/CD are familiar terms to you?

Then the team of the Process System Engineering Group offers exactly the right opportunity: With us, you can get involved in a creative way in a prosperous and dynamic interdisciplinary research environment and shape the future of the process industry.

Further information on the Chair of Process Control Systems is available at: <https://tu-dresden.de/ing/elektrotechnik/ifa/plt>.

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

Please submit your comprehensive application including the usual documents by **22.09.2020** (stamped arrival date of the university central mail service applies) by mail to: **TU Dresden, Fakultät Elektrotechnik und Informationstechnik, Institut für Automatisierungstechnik, Professur für Prozessleittechnik, z.H. Herrn Julius Lorenz, Helmholtzstr. 10, 01069 Dresden**, or via the TU Dresden SecureMail Portal <https://securemail.tu-dresden.de> by sending it as a single pdf-document to **julius.lorenz@tu-dresden.de**. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

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**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>