Faculty of Electrical and Computer Engineering

At the Institute of Automation the Chair of Process Control Systems/Process Systems Engineering Group offers a position as

Research Associate

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

starting 01.08.2020. The position is limited until 31.03.2022. The period of employment is governed by Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz-WissZeitVG). The position offers the chance to obtain further academic qualification.

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 solving complex problems in the field of information modeling and model transformation? Then the team of the Chair of Process Control Systems as well as the working group Process System Engineering offers you 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 to actively participate in shaping the process industry.

Tasks: The focus of your task is the formal modeling and transformation of recipes for modular process plants. Furthermore, the implementation and extension of a process control level for orchestration of the plant, which processes the recipes and executes the underlying service-based steps, is another essential aspect of the work. 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 in recipe engineering and information modelling. This requires solid knowledge of describing information models and model transformations, as well as very good programming skills in common languages. 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 in spoken and written. Experience in process engineering is desirable.

Further information on the Chair of Process Control Engineering is available at: https://tu-dresden.de/ing/electrical/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 23.06.2020 (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, Herrn Julius Lorenz, Helmholtzstr. 10, 01069 Dresden, or preferably 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.

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