

The Faculty of Informatics/Mathematics at the University of Applied Sciences Dresden offers in the „HTW Postdoc Qualification Program“ a position for a

**Research Associate (Postdoc)**  
(Reference number 06/2021)

The HTW Postdoc Qualification Program was initiated to attract and prepare highly talented researchers with a doctoral degree for a professorial career or a permanent scientific position at a university of applied sciences. You will join the interdisciplinary research group of Prof. Reichelt. His research activities are focusing on new technologies and solutions for the factory of the future. The open position will be in charge of the research and development activities with a focus on AI technologies to design self-programming, self-adaptive and autonomous production systems. The candidate is expected to work closely with industrial and research partners (e.g. Fraunhofer IWU, Infineon, adidas) using leading-edge technologies in Industrie 4.0 testbeds at the University of Applied Sciences in Dresden.

**Your research area:** Cognitive Production Systems

**Your tasks:**

- research, design, and development of adaptive, intelligent production assets using AI technologies
- development and design of complex software systems to apply cognitive skills these assets
- cooperation with industrial partners and other research institutions
- planning and conducting courses in the area of computer sciences and automation engineering in German and English
- academic publications and presentation of the research results
- supervise Ph.D., diploma, master, and bachelor theses

**Your profile:**

- university degree (Master, Diploma) in computer science, automation engineering, information technology, or related fields
- strong skills in at least one of the following fields: robotics, AI for shop floor applications, cyber physical production systems
- doctoral degree (Ph.D.) in computer science or automation engineering (acquired within the last six years)
- strong and proven background in software design and development
- experience in teaching and research projects acquisition is a plus
- very good writing and presentation skills in English, A2 level of the German language

**We offer:**

Full-time position starting April 2021. The period of employment is limited to three years. Subject to personal qualification employees are remunerated according to salary group E 13 TV-L. Applications from women are particularly welcome. The same applies to people with disabilities.

**For further information please contact**

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**Did we spark your interest?**

Then we look forward to receiving your complete and comprehensive application quoting the reference number via mail by the closing date of 5<sup>th</sup> April 2021 to:

**Hochschule für Technik und Wirtschaft Dresden**  
**Dezernat Personalangelegenheiten**  
**Friedrich-List-Platz 1**  
**01069 Dresden**  
**bzw. [bewerbung@htw-dresden.de](mailto:bewerbung@htw-dresden.de)**



**Innovative Hochschule**

Dresden, den 02.03.2021