

We are looking for a full-time

## **Research Associate / PhD for Human Robot Collaboration in Building Construction**

### **About us**

The Professorship of Digital Fabrication, led by Prof. Dr. Kathrin Dörfler, is engaged with novel digital fabrication techniques in architecture to extend design possibilities and resource-effective building constructions. The Professorship is based at the Department of Architecture at the TUM School of Engineering and Design. We are looking for a Research Associate to join our team, as part of the DFG-funded research group project FOR on “The Information Backbone of Robotized Construction”

(<https://www.dfg.de/de/service/presse/pressemitteilungen/2024/pressemitteilung-nr-11>). The position is to start in October 2024, or upon agreement. For further information about the research environment, please visit the website of the Professorship (<https://www.arc.ed.tum.de/df>).

### **Job overview**

Are you interested in digital construction technologies and enjoy working in an interdisciplinary research team? Do you have a passion for new design strategies and experimental research? Can you imagine actively participating in a highly collaborative academic environment? Are you interested in developing your own research topic in this context for the completion of a PhD degree?

### **What we offer**

We offer a position as Research Associate in an interdisciplinary academic environment, a vivid research team, and excellent working conditions at the research facility of TUM. The employment takes place with the appropriate remuneration according to the collective agreement for the civil service of the countries (TV-L E13). The position is limited to four years and can start in October 2024 or upon agreement. TUM aims to increase the number of women employees, and applications from women are expressly welcomed. Preference will be given to candidates with disabilities with essentially the same qualifications.

### **What you should bring**

You have a master’s degree in civil engineering or architecture or have an equivalent degree (e.g., Building Technologies, CS, Mech.Eng., Robotics). You should bring a particular interest in digital design and manufacturing technology and systems design. Ideally, you have skills in CAD modelling, geometry processing, and programming, as well as prior knowledge in digital fabrication. Finally, you are fluent in English (German skills are welcome but not mandatory), are highly motivated, reliable, and have excellent teamworking skills.

### **Information to the application process**

We look forward to receiving your application by 6<sup>th</sup> of August 2024 via mail to [info.df@ed.tum.de](mailto:info.df@ed.tum.de). Your application should include a cover letter, CV, and a statement of experience/portfolio.

### **Kathrin Dörfler, Prof. Dr.**

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