We are looking for a full-time

Research Associate / PhD for Robot-Assisted Fabrication of a Timber-Earth-Slab

About us
The Professorship of Digital Fabrication, led by Prof. Dr. Kathrin Dörfler, is engaged with novel fabrication techniques for architectural design 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, aligned with an FNR-funded project on Robot-Assisted Fabrication of a Timber-Earth-Slab. The position is to start in January 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), for further information on the proposed research project, more information can be found in the initial research publication “Digital Design and Fabrication Strategy of a Hybrid Timber-Earth Floor Slab” (https://iopscience.iop.org/article/10.1088/1755-1315/1078/1/012062).

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 two years and can start in January 2023 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 (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 5th of November 2023 via mail to rebekka.schlenker@tum.de. Your application should include a cover letter, CV, and a statement of experience/portfolio.

Kathrin Dörfler
Prof. Dr. sc. ETH
Technical University Munich
Department of Architecture
Arcisstrasse 21
80337 Munich
+49 89 289 28468
doerfler@tum.de
www.ar.tum.de