

As a university of excellence, the Technische Universität Dresden (TUD) is one of the most powerful research institutions in Germany. Founded in 1828, today it is a globally oriented, regionally anchored top university that aims to make innovative contributions to solving global challenges. In research and teaching, it combines engineering and natural sciences with the humanities, social sciences and medicine. This nationally outstanding diversity of subjects enables the university to promote interdisciplinarity and bring science into society. The TUD sees itself as a modern employer and wants to offer all employees in teaching, research, technology and administration attractive working conditions and thus also promote, develop and integrate their potential. TUD stands for a university culture that is characterized by openness to the world, appreciation, innovative spirit and participation. It understands diversity as a cultural matter of course and a quality criterion of a university of excellence. Accordingly, we welcome all applicants who would like to contribute to our success with their performance and personality.

At the **Faculty of Mechanical Engineering, Institute of Mechatronic Mechanical Engineering**, the **Chair of Magnetofluid Dynamics, Measurement and Automation Technology** is **seeking** to fill the position of

scient. Research Assistant / Doctoral Candidate / PostDoc (m/f/d)
(if the personal requirements are met E 13 TV-L)

for up to 5 years (duration of employment in accordance with WissZeitVG), with the aim of gaining further academic qualifications. Further qualification (usually doctorate / habilitation).

Tasks: The professorship has been intensively involved for many years with the entire breadth of the scientific field of magnetic hybrid materials. field of magnetic hybrid materials. The advertised position should deal experimentally with a topic in the context of the investigation of the relationship between microstructural changes and macroscopic effects in the behavior of such materials. The choice of magnetic hybrid materials and the detailed focus of the research question can be coordinated with the candidate.

Prerequisites: scientific degree and possibly a Ph. University degree and possibly a doctorate in mechanical engineering or physics with above-average success; knowledge of solid state physics, metrology or in the field of X-ray tomography and experimental work with modern measuring systems as well as programming skills.

The TUD strives to increase the proportion of women and therefore expressly encourages them to apply. The university is a certified family-friendly university and has a dual career service. Applications from severely disabled people are particularly welcome. In the case of equal suitability, preference will be given to those with disabilities or those who are treated equally by law (SGB IX).

Please send your detailed application with the usual documents using the **job code "w24-154"** by **20.09.2024** (the postmark of the central post office or the time stamp on the TUD e-mail server applies) preferably via the SecureMail portal of the TUD <https://securemail.tu-dresden.de> in a PDF document to stefan.odenbach@tu-dresden.de or to **TU Dresden, Faculty of Mechanical Engineering, Institute of Mechatronic Mechanical Engineering, Chair of Magnetofluid Dynamics, Measurement and Automation Technology, Prof. Dr. Stefan Odenbach, Helmholtzstr. 10, 01069 Dresden**. Your application documents will not be returned, please submit copies only. Interview costs will not be covered.