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. Assistant (m/f/d)
(if the personal requirements are met E 13 TV-L)

for 4 years with the option of extension, subject to available funds (employment period according to WissZeitVG). There is the opportunity for further academic qualification. Further qualification (usually doctorate).

Tasks: The position is part of FOG 5599, which deals with the dynamics of structure formation in magnetic hybrid materials. In this context, microtomographic investigations are to be carried out in the project, in which the development of the microstructure in structured magnetic hybrid materials is to be elucidated. The resulting structures are to be correlated with the magnetomechanical behavior and particularly promising structures for large magnetomechanical effects are to be identified. This will be done in close cooperation with the other working groups involved in the research group.

As the research group aims to promote the transfer of research into school education, tasks in the context of cooperation with schools will also form part of the field of work in collaboration with a didactic working group.

Prerequisites: academic degree in mechanical engineering or physics with above-average results. University degree in mechanical engineering or physics with above-average results; knowledge of measurement and automation technology or solid state physics and experimental work with modern measurement systems and programming skills.

The TUD strives to increase the proportion of women and therefore expressly invites 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, stating the **job reference "w24-160_w1"** by **20.09.2024** (the postmark of the Central Post Office or the time stamp on the e-mail server of the. TUD) preferably via the SecureMail portal of the TUD

https://securemail.tu-dresden.de as 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.

Note on data protection: We have made available to you on the website https://tu-dresden.de/karriere/datenschutzhinweis what rights you have and for what purpose your data is processed, as well as further information on data protection.