

The **Institute of Mechanics, Faculty of Mechanical Engineering**, is looking for two
scientific researchers (m/f)

to start work from the next possible date for a preliminary period of 1 year with the option of renewal.

Salary payment pursuant to the collective law in accordance with salary group 13 TV-L or, if applicable, in accordance with TVÜ-L. This is a full-time position but also suitable for part-time employment.

Selection Criteria

- successfully completed scientific studies at university level in either Mechanical Engineering, Civil Engineering, Material Science, Physics, Mathematics or similar field of studies
- advanced knowledge in Continuum Mechanics, Theory of Materials, Finite Element Methods,
- above-average commitment, own initiative and the capability to independently carry out scientific work, good communication skills, ability to adapt to a team in an interdisciplinary surrounding and very good knowledge of English

simulation within the scope of the Finite Element Method

- interdisciplinary cooperation especially with project partners within the research group

There is the possibility of obtaining a scientific qualification (doctoral degree). Applications from graduate post-docs are also most welcome.

TU Dortmund University wishes to increase the number of female academic staff and therefore encourages the application of female candidates. It should also be noted that suitable applications from severely disabled candidates are also most welcome.

Applications, together with all related documents are to be sent to the address below within the next four weeks.

Scope of work

- working on one of the sub-projects of the Research Group 1509 **Ferroic Functional Materials – Multi-scale Modeling and Experimental Characterisation**

Numerical relaxation for the description of the development of micro-structures in functional magnetic materials

Micro-structural interactions and switching in ferro-electrics

financed by the German Research Foundation (DFG)

- fundamental research in the area of computational mechanics of material modeling, coupled problems, implementation of models and

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