



Leibniz
Universität
Hannover

The Institute of Structural Analysis (ISD) invites applications for the position of a

Group Leader (Postdoc, m/f/d) within the "Composites" department (Salary Scale 14 TV-L, 100 %)

to be appointed at the earliest possible date. The position is initially limited to 3 years.

Responsibilities and Duties

The research unit "Composites" at the Institute of Structural Analysis hosts two closely collaborating groups – "Structures" and "Materials". The successful candidate will manage the "Materials" group. Activities in this position will include developing and implementing models to simulate composite materials and layered structures, securing projects, supervising doctoral candidates, and publication of findings in international journals.

Current projects pursue material modeling from the nano and micro scale using atomistic simulations and coarse grain methods to the meso scale with the help of the finite element method, taking into account multi-physical boundary conditions such as humidity, temperature, or modifications of the fiber or particle material. Further development of the thematic focus with new ideas of the group leader is very much supported.

The research unit is guided by the principle "composites as energy efficient and sustainable materials" and, through their research, aims to contribute to energy transition as well as expand its network. An affinity for research and development projects in this direction and experience in the continuum mechanics of inhomogeneous materials, advanced material, and I models in structural- or micro-mechanics of fiber composite materials are desired.

Requirements for employment

Candidates must have completed a university science degree in the field of computational mechanics. Good German proficiency (level B2) is essential to reach level C1 within a year.

Leibniz University Hannover considers itself a family-friendly university and therefore promotes a balance between work and family responsibilities. Part-time employment is possible, provided that the position can be filled in full through further part-time staffing.

The university aims to promote equality between women and men. For this purpose, the university strives to reduce under-representation in areas where a certain gender is under-represented. Women are under-represented in the salary scale of the advertised position. Therefore, qualified women are encouraged to apply. Moreover, we welcome applications from qualified men. Preference will be given to equally-qualified applicants with disabilities.



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For further information, please contact Prof. Dr.-Ing. habil. R. Rolfes (Tel.: +49 511 762-2992; Email: r.rolfes@isd.uni-hannover.de).

Please send your application accompanied by the necessary supporting documents with **reference 130** by February 24, 2023 to

Email: sekretariat@isd.uni-hannover.de

or by post to:

Gottfried Wilhelm Leibniz Universität Hannover

Institut für Statik und Dynamik

Appelstr. 9A

30167 Hannover

<http://www.uni-hannover.de/jobs>

Information on the collection of personal data according to article 13 of GDPR can be found at <https://www.uni-hannover.de/en/datenschutzhinweis-bewerbungen/>.