



Leibniz
Universität
Hannover

The Graduate School MUSIC (Multiscale Methods for Interface Coupling) and the Institute of Continuum Mechanics at Leibniz Universität Hannover invites applications for a position as a

Research Staff Member in Computational Mechanics (Salary scale E13 TV-L)

to be appointed on 1 April 2010.

The position is embedded into the Junior Research Group on „Multiscale Modelling of Materials and Interfaces with Size Effects“ and is initially limited to 1 year.

Research project

The research project focuses on the computational materials modelling of metals microstructure. Within the project, polycrystalline materials shall be micromechanically investigated by means of dislocation-based crystal plasticity. The goal is to gain a clearer understanding in the nonlocal behaviour and to obtain useful models for the prediction of the inelastic response, which become relevant in applications such as micro-manufactured structures.

Employment conditions

The requirement for this position is a diploma or masters degree in engineering, materials science, physics or applied mathematics. A strong background in continuum mechanics and the finite element method as well as an interest in materials science are desired. The successful candidate will be a PhD student in the Graduate School MUSIC.

The Leibniz Universität Hannover aims, in particular, to promote women within the scope of the statutory provisions and, hence, emphatically invites qualified women to apply for this position. Severely disabled applicants are given preferential consideration in the event of equal qualification. The University welcomes applications by researchers from abroad.

For further information, please contact Dr.-Ing. Britta Hirschberger, phone: 0511/762 4126, e-mail: hirschberger@music.uni-hannover.de.

Interested candidates should send their application with the usual documents and papers as well as the application form of the Graduate School MUSIC to

Gottfried Wilhelm Leibniz Universität Hannover

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