



**Technische
Universität
Braunschweig**



Vacancy

The **Institute of Applied Mechanics** at the Technical University of Braunschweig is looking for a

Research assistant (PhD student)

at the earliest opportunity.

Payment is according to salary scale E13 of labor contract TV-L (full-time position). The contract is initially limited to a duration of 2 years. An extension is intended. Completion of a doctorate within the frame of the employment is expected.

Field of activity:

- Research in one of the following fields of numerical solid mechanics: fracture mechanics, contact mechanics, isogeometric analysis, modelling of heterogeneous materials using multi-scale and/or multi-physical methods. The numerical simulations will have to be validated by measurements, if applicable;
- Supervision of courses within the under- and postgraduate program, in German language.

Profile of requirements:

- Completed study (master degree or equivalent) in a natural or engineering sciences university program with focus on mechanics;
- Very good knowledge in continuum mechanics and the finite element method;
- Experience in numerical methods and proficiency in at least one of the following programming languages: Matlab, C++, Fortran;
- Good skills in German (B2/DSH1) and English;
- Independent and structured work approach.

Please send your complete job application by email to

Dr. Roland Kruse
Institut für Angewandte Mechanik
Technische Universität Braunschweig
38106 Braunschweig
Email: r.kruse@tu-bs.de
<https://www.tu-braunschweig.de/iam>

Deadline is December, 11th 2016.

Seriously disabled people will be given priority at same qualification; a confirmation shall be provided at time of application. The university aims at increasing the percentage of women working in this sector and would especially like to encourage qualified women to apply.