

***One vacant position*** for a full time university assistant at the Chair for Designing Plastics and Composite Materials in the Department Polymer Engineering and Science. Start from the earliest possible date in an employment relationship initially limited to 1 year, with the intention of extension for a further 3 years after positive evaluation.

Salary group B1 according to Uni-KV, monthly minimum salary excl. benefits: € 3.578,80 for 40 hours per week (14 x per year), the actual classification is based on any creditable job-specific previous experience.

**Topic:**

Your primary responsibility is to work on research projects of the chair within both internally funded basic research as well as industry projects. In general, research at the Chair is concerned with structural simulation of polymer components based on the Finite Element Method (FEM). Specifically for this position, the further advancement of computational methods for predicting crack propagation previously developed at the chair is planned, in particular for application to heterogeneous materials in which crack deflection, crack initiation, and crack separation at interfaces occur.

The work is embedded within the young, dynamic team of the chair with a clear focus on the method-based development of fundamental knowledge.

**Requirements:**

Master's Degree in a relevant field in terms of the desired qualifications (e.g. Polymer Science, Mechanical or Aerospace Engineering, Physics).

Very good command of written and spoken English required, knowledge of German language desired.

**Additional qualifications:**

Experience with the Finite Element Method and associated software (e.g. Abaqus) as well as programming (especially Python, C++, Fortran).

Comprehensive knowledge on the response of polymer materials and modelling thereof.

**Assets:**

Motivation, initiative, and responsibility; Ability to work independently; Team skills; Interest in scientific research and publication; Commitment to obtain a doctoral degree

Questions may be addressed to Prof. Clara Schuecker: [verbund@unileoben.ac.at](mailto:verbund@unileoben.ac.at)

**Reference ID: 2410WPC**

**End of Application: 05.11.2024**

The Montanuniversität Leoben intends to increase the number of women on its faculty and therefore specifically invites applications by women. Among equally qualified applicants, women will receive preferential consideration.

For the application please use the online form on the homepage:

<http://www.unileoben.ac.at/jobs>

