

150. Job Advertisement – The Chair of Materials Science and Testing of Polymers in the Department of Polymer Engineering and Science has a position for a full-time University Assistant (m/f/d) – Reference number: 2603WPJ

As a modern university with a strong focus on research and teaching, the Montanuniversität Leoben (Technical University of Leoben) offers outstanding opportunities for career advancement in both scientific and non-scientific domains.

The Chair of Materials Science and Testing of Polymers in the Department of Polymer Engineering and Science has a position for a full-time University Assistant (m/f/d).

Salary Group B1 according to the UNI-KV, monthly minimum salary excl. Szlg.: € 3.776,10 for 40 hours per week (14x per year), actual classification is according to previous relevant experience.

Date of expected start of employment: **May 1, 2026**

Term of employment: **1 year, with option to extend for another 3 years after positive evaluation**

Hours of employment per week: **40 hours**

Responsibilities:

Investigation of damage mechanisms in thermomechanically stressed continuous-fibre-reinforced polymers (composites) under monotonic and cyclic loading, in particular using acoustic emission and thermography. Derivation of service life models for composites. Involvement in departmental administration, teaching, research and third-party funded projects (contract and grant-funded research)

Employment requirements:

A completed master's degree in plastics engineering, materials science, mechanical engineering or an equivalent qualification in line with the desired requirements.

Desirable additional qualifications:

- Understanding of deformation and failure behaviour in continuous-fibre-reinforced polymers (composites)
- in-depth knowledge of mechanical testing and design of continuous-fibre-reinforced polymers (composites) under monotonic and cyclic loads
- experience in operating mechanical testing systems, particularly servo-hydraulic systems
- knowledge of the fatigue analysis of materials and components
- background in fracture mechanics characterization of composites
- basic knowledge of the analysis of in-situ experimental data in the field of non-destructive testing (digital image correlation, thermography and acoustic emission)
- development of algorithm-supported evaluation methods in the investigation of damage processes in polymer matrix composite materials

Willingness and ability to undertake academic work in research, including associated publishing activities, with the opportunity to write a doctoral thesis expressly offered; excellent written and spoken English; a basic knowledge of German.

Personal requirements:

- A proactive attitude and willingness to learn.
- A high degree of independence and self-organisation.
- Flexibility in the role and the ability to think holistically.
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We offer numerous benefits, including:

- Convenient public transport connections (train and bus access)
- Family-friendly work environment and good work-life balance
- Access to occupational health services
- Health promotion initiatives and annual health day
- Comprehensive university sports and fitness programs

- Employee discounts at selected shops and services
- Language courses and support for international staff

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End of Application: 21.04.2026

The Montanuniversität Leoben (Technical University of 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>

The Rector:
Univ.-Prof. Dipl.-Ing. Dr.mont. Dr.-Ing. E.h. Dr.h.c. Peter Moser

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