

The Department of Material Sciences and Process Engineering, Institute of Physics and Materials Science is currently seeking two

Postgraduate Research Associate project employment

(Reference code: 11)

Extent of employment: 30 hours per week
Duration of employment: 1st of April 2024, limited to 31st of March 2026
(a first contract will be issued for 6 months and renewed yearly upon satisfactory performance; after successful evaluation of the research project after two years, the position can be extended for another 1.5 years, i.e. duration of 3.5 years is scheduled for the position)

Workplace: 1190 Vienna

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1, € 2.684,10

Responsibilities

- Collaboration within the Christian Doppler Laboratory for Defect Tolerance of Steels in the High and Very High Cycle Fatigue Regime
- Comprehensive experimental investigations on the fatigue properties of steels with focus on defect tolerance and threshold conditions for crack growth
- Evaluation of experimental data based on fracture mechanics principles
- Close cooperation with the project partners from academics and industry
- Project reporting, publishing in scientific journals and participation in (inter-)national conferences
- It is desired that the candidate is willing to perform a PhD study to obtain a doctorate degree

Required skills and qualifications

- Diploma degree in Materials Science, Mechanical Engineering, Physics or other equivalent university degree
- Very good in both spoken and written English, Knowledge of the German language is an advantage
- Basic understanding of and high interest in materials science (mechanical properties of metals)
- Curiosity and a knowledge-based, creative approach to problem solving
- Ability to work in a team, self-reliance, reliability and communications skills

Desirable skills and qualifications

- Deep interest in experimental testing
- Interest in microscopy (light and scanning electron microscopy)
- Knowledge and/or interest in finite element modeling, physics-based modelling and machine learning is an advantage

Applications can be submitted until: 29th of February 2024

University of Natural Resources and Life Sciences Vienna seeks to increase the number of its female faculty and staff members. Therefore qualified women are strongly encouraged to apply. In case of equal qualification, female candidates will be given preference unless reasons specific to an individual male candidate tilt the balance in his favour.

People with disabilities and appropriate qualifications are specifically encouraged to apply.

Please send your job application incl.

- motivation letter
- CV
- Copy of diploma / master's degree certificate

to DI Dr. Bernd Schönbauer, E-Mail: bernd.schoenbauer@boku.ac.at. (Reference code: 11)

We regret that we cannot reimburse applicants travel and lodging expenses incurred as part of the selection and hiring process.

www.boku.ac.at