

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

Postgraduate Research Associate (project employment)

Reference code: 104

Extent of employment: 30 hours per week
Duration of employment: June or July 2022, limited for 3 years

Workplace: 1190 Vienna

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1, € 2.294,00

Responsibilities

- Collaboration in an interdisciplinary project consortium with the aim to develop a first-time-right and zero-defect metal production design and manufacturing system (Zero-defect manufacturing for green transition in Europe)
- Comprehensive experimental investigations on the fatigue properties of steels with focus on defect tolerance and threshold conditions for crack growth
- Evaluation of data based on fracture mechanics principles
- Close cooperation with project partners from academics and industry
- Project reporting, publishing in scientific journals and participation in international 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
- Language skills: 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 communication skills

Desirable skills and qualifications

- Deep interest in experimental testing
- Interest in microscopy
- Knowledge in finite element modeling is of advantage

Applications can be submitted until: 23rd of June 2022

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

to DI Dr. Bernd Schönbauer; E-Mail: bernd.schoenbauer@boku.ac.at. (**Reference code: 104**)

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

www.boku.ac.at