

Dean
of **Faculty of Materials Science and Technology**
VSB - Technical University of Ostrava
announces a selection procedure for a post of
Junior Researcher
for project MATUR - Materials and Technologies for Sustainable Development
(CZ.02.01.01/00/22_008/0004631)

The position is suitable for both women and men.

Field: Engineering
Type of employment: Full-time
Type of job contract: Fixed-term employment contract with the possibility of extension
Expected start of employment: 1. 1. 2026 or as agreed

Activity description:

- Participation in research and development projects in the field of automotive engineering.
- Design, testing, and evaluation of vehicle components and systems.
- Application of numerical methods (FEM, MBS) to analyze static and dynamic load states.
- Execution of experimental measurements, data collection, and analysis.
- Prediction of service life and assessment of fatigue behavior of automotive structures.
- Preparation of research outputs, including reports, publications, and contributions to conferences.
- Collaboration with industrial partners on applied research and development.
- Contribution to the development of testing methodologies and equipment.

Required expertise:

Automotive engineering, vehicle development and testing, or a related field with a strong background in scientific research and publishing.

We require:

- Ph.D. in Automotive Engineering, Materials Science, Mechanical Engineering, or a related field.
- Excellent knowledge of automotive design solutions, including historical and current technologies and trends.
- Strong background in numerical simulations (FEM, MBS) and experimental methods.
- Ability to predict service life and assess fatigue behavior of automotive components.
- Proven record of scientific publications (peer-reviewed journals with impact factor, international conferences) and commitment to further publishing activities.
- Experience with the development of testing methodologies and equipment.
- Strong analytical thinking, independence, and problem-solving skills.
- Knowledge of the English language at the min. C1 level.

We offer:

- Work in a promising organization.
- Salary evaluation according to the candidate's experience.
- Modern laboratory and classroom facilities.
- Opportunity to participate in excellent research.
- Possibility of further education.
- 6 weeks of holidays
- Flexible working hours.
- University kindergarten.
- Contribution to pension plan.
- Company catering in the canteen.
- Other employee benefit according to the employer's offer.

Your personal data will be processed to the extent necessary for the implementation of the selection procedure in accordance with EU Regulation 2016/679.

<https://www.vsb.cz/export/sites/vsb/en/.content/files/Informace-pro-uchazece-o-zamestnani-AJ.pdf>

E-mail the curriculum vitae focused on the course of professional practice, copies of documents on the acquired qualification, an overview of publishing activities according to the RVVI (The Research, Development and Innovation Council), and an overview of research projects to: eva.rozbrojova@vsb.cz by **21 November, 2025**.

In the subject of the email, please state "Open Call for the position of the Junior Researcher (632)".



MATUR

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