

Dean  
**of the Faculty of Mechanical Engineering**  
VSB - Technical University of Ostrava  
announces a selection procedure for 2 posts of  
**Candidates for Marie Skłodowska-Curie Postdoctoral Fellowships 2025**  
**Postdoc in Machining, Engineering Metrology and Additive Technologies** (researcher)  
for the Department of Machining, Assembly and Engineering Metrology.

The position is suitable for both women and men.

We are searching for Ph.D. holders (up to 8 years from the date of award), who have not resided in the Czech Republic for more than 12 months during last 3 years at the time of the deadline (10 Sep 2025).

Researchers in the following research areas are particularly welcome:

Conventional and non-conventional methods of machining technologies.

Metrology (coordinate measurement, determination of errors and uncertainties).

Additive manufacturing of metals, polymers and composite materials (topological optimization, designs of bionic structures and lattice structures, and multi-material printing).

Materials for additive technologies.

Evaluation of surface integrity.

The Department of Machining, Assembly and Engineering Metrology, and Prof. Jana Petrů, is on the lookout for talented individuals to join us as MSCA Fellows. Seize the opportunity to redefine the possibilities of machining, metrology and 3D printing.

**Required expertise:**

- Ph.D. in Mechanical Engineering, or a related field.
- Visionary Leadership: Proven ability to lead and inspire researchers towards groundbreaking discoveries.

**Activity description:**

- As a member of the Department of Machining, Assembly and Engineering Metrology, you will contribute to research and experimental activities focused on machining difficult-to-machine materials, measurement of dimensional and shape characteristics, evaluation of surface integrity parameters, 3D printing of new materials with added value, modification of surface layers after 3D printing, biomedical applications and others.
- Publishing in impact journals Q1 (Q2).
- Participating in contacts with other partner workplaces.
- Participation in the preparation of projects from national and international sources.

**Full time equivalent:** 1,0

**Number of positions:** 2

**Type of job contract:** fixed-term employment contract with the possibility of extension

**Expected start of employment:** June 1st 2026 onward

**We require:**

- A researcher who independently solves complex scientific research tasks in the field actively publishes.
- Researcher in the field of additive manufacturing, modern and innovative technologies, conventional and non-conventional machining, measurement and 3D scanning, the development of automated additive manufacturing with a follow-up to the measurement of shape-complex components and monitoring of the 3D printing process.
- Required qualification Ph.D.
- Active knowledge of the English language.

**We offer:**

- work in a promising organization,
- salary evaluation according to the candidate's experience and project conditions,
- modern laboratory and classroom facilities,
- opportunity to participate in excellent research,
- possibility of further education,
- 6 weeks of holidays,
- flexible working hours,
- university kindergarten,
- company catering in the canteen,
- MultiSport card,
- other employee benefits according to the employer's offer.

## Alternative funding in the Czech Republic

The proposals which obtain a score of 70% or above in the MSCA Postdoctoral Fellowships call under Horizon Europe but are not proposed for funding under MSCA due to the lack of budget, are eligible for funding under ERA Fellowships or under the Operational Programme John Amos Comenius (2021- 2027).

The Department of Machining, Assembly and Engineering Metrology is committed to fostering diversity and inclusion. We encourage applications from candidates of all backgrounds and experiences.

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>

For inquiries or to submit your CV and introductory letter, please reach out to Prof. Jana Petru at [jana.petru@vsb.cz](mailto:jana.petru@vsb.cz) and Ing. Tereza Fittlová at [tereza.fittlova@vsb.cz](mailto:tereza.fittlova@vsb.cz) till **30. 6. 2025**.

We look forward to hearing from you and exploring exciting opportunities to join the Department of Machining, Assembly and Engineering Metrology.

In the subject of the email, please state "Open Call for the MSCA, Postdoctoral Fellowships 2025".