

Dean of Faculty of Mechanical Engineering
VSB – Technical University of Ostrava
announces an open call for
Research Positions in Robotics
Junior Researcher Positions (R2)
for the Department of Robotics

We are expanding our research capacity!

The Department of Robotics is looking for **new colleagues:**

Junior Researcher (R2)

Research Topics

Candidates with expertise in at least one of the following areas are welcome:

- Robotic and mechatronic system design
- Soft robotics / flexible mechanisms
- 3D printing mechatronics / robotic integration
- Human–robot interaction and ergonomics
- Automation and robotised workplaces (industry use-cases)
- Field robotics and harsh-environment robotics
- Predictive maintenance, sensor systems, multimodal monitoring
- AI/ML for robotics, perception, prediction
- Computer vision and data acquisition
- System modelling and control

JUNIOR RESEARCHER – Responsibilities

- Participate in R&D tasks across ongoing projects
- Support experimental work, testing, and system integration
- Assist with development of robotic/mechatronic systems
- Prepare reports, documentation, and publications
- Work in interdisciplinary teams
- Collaborate with senior researchers and industry partners
- Support the supervision of students (optional)

Suitable for: Early-stage PhD holders, or young researchers starting their career (Ph.D. required).

What We Expect

- PhD in Robotics, Mechatronics, Mechanical Engineering, CS, Automation, or similar
- Experience in at least one listed research area
- Motivation, curiosity, and ability to learn quickly
- Independence and hands-on approach

Employment Details

- Full-time position
- Contract type: fixed-term with the possibility of extension
- Start date: by agreement (early 2026 onward)
- Working language: English

Why Join Us?

- Work on large, long-term funded national projects
- Full access to modern robotic laboratories and equipment
- Opportunity to significantly shape the future direction of the department
- Leadership roles for senior candidates
- Interdisciplinary environment linking robotics, materials, AI, and industry
- Strong international partner network
- Space for scientific growth and career progression
- 6 weeks of holidays
- Company catering in the canteen
- Other benefits according to the employer's offer

How to Apply

Please send:

- CV
- Motivation letter
- List of publications / relevant projects
- Preferred research topic

The Department of robotics is committed to fostering diversity and inclusion. We encourage applications from candidates of all backgrounds and experiences. The working language is English.

Your personal data will be processed only to the extent necessary for the execution 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 application, please reach out to Prof. Zdenko Bobovský at zdenko.bobovsky@vsb.cz and Ivana Křístková at ivana.kristkova@vsb.cz until **28. 2. 2026**. We look forward to hearing from you and exploring the exciting possibilities of joining the Department of Robotics.

In the subject of the email, please state "Open Call for K354-R2-Research Positions in Robotics".