Open Positions: PhD | Postdoc | Tenure-track | Robotics Engineer | Developer

https://comrob.fel.cvut.cz/open25/

Field: Robotics, Passive Localization, Autonomous Navigation
The **Center for Robotics and Autonomous Systems (CRAS)**, **Computational Robotics Laboratory** (**CRL)** at the **Faculty of Electrical Engineering**, Czech Technical University in Prague, is seeking **motivated and talented researchers** for **engineering**, **PhD, postdoctoral, and tenure-track** positions. We are looking for individuals passionate about **robotics, passive sensing, and real-world applications** with a particular interest in **field robotics, defense-oriented systems and technologies**.

Research Topics

- **Passive and cooperative localization** in GNSS-denied environments.
- Sensor fusion, SLAM, real-time perception, and **resilient autonomy**.
- **Data muling**, communication infrastructure building and maintenance, and multi-robot coordination.
- **Human-robot teaming** and **explainable navigation/**
- **Multi-domain operations** of autonomous ground and aerial platforms in mission-critical tasks.
- **Field deployments** and real applications in **security** and **defense robotics**.
- Opportunities to publish, deploy, and demonstrate technologies in real-world scenarios

What We Offer

- **Cutting-edge research infrastructure,** autonomous ground robots, UAVs, and sensor platforms.
- Contributing to **European and national R&D projects**, industrial and defense collaborations.
- Strong links to international academia and industry.
- A supportive and collaborative team with experience in both **fundamental and applied research**.
- Work in an international, open-minded, and technically strong team.
- The workplace in the heart of Prague is at the Charles Square campus.
- Salary is about 140 % (Phd), 185 % – 217 % (postdoc, tenure-track), and 150 % – 185 % (engineers, developers) of the Czech average, depending on seniority, experience, and incentive components.
- Statutory health and social insurance contributions are provided in line with legal requirements. In addition to statutory obligations, fringe benefits provided may include meal vouchers or allowances, as well as employer contributions to supplementary pension insurance schemes.
- Fringe benefits include complimentary refreshments, employee discounts on mobile operator services (including VIP options), access to sports and recreational facilities, on-site parking, and childcare support through the university nursery.

- Full-time and part-time (engineers, developers) employment with flexible working hours, meal allowances, 4+2 weeks of paid vacation per year, and 8 weeks for academic positions.
- **Prague**: A top-ranked city for safety, research, tech, and quality of life. The workplace is also well-connected by Prague's highly efficient public transport system.

Who We Are Looking For

- For **PhD applicants**:
  - Strong background in robotics, computer vision, machine learning, and control.
  - Computer science, electrical engineering, or mechanical engineering background.
  - Experience with C++/Python and ROS is welcome.
- For **Postdocs**: Proven publication record, experience leading experiments, and mentoring students.
- For the **Tenure-track**: Visionary research agenda, grant-writing experience, and readiness to build your own research track, conduct teaching, and supervise students.
- **Robotics Engineers / Software Developers**
  - Proficiency in C++/Python, ROS/ROS2, and Linux-based development.
  - Experience with robot control, embedded systems, sensor drivers, or simulation.
  - Design, develop, test, and deploy backend and front-end web applications; configure and manage relational and NoSQL databases; work with middleware and integration platforms to enable secure and scalable system communications; install, configure, and maintain Linux/Unix-based operating systems; implement and manage a virtualization and containerization solution; develop CI/CD pipelines and automate system provisioning.
  - **Practical mindset and the ability to integrate systems into the field**.
- Bonus: Interest in defense and security-related robotics.

Application

Applications are accepted **on a rolling basis**. For full consideration, please send us:

- CV
- Motivation letter
- Research statement (for Postdoc/Tenure)
- Portfolio or selected projects (for engineers/developers)
- Contact of references

Contact: faiglj@fel.cvut.cz

More info:
https://comrob.fel.cvut.cz, https://www.youtube.com/@computationalroboticslabat5809.
Come help us build the **next generation of autonomous robotic systems** in Prague – one of Europe's most beautiful and livable cities, with a thriving tech scene and rich research culture.