

Graz University of Technology is the longest-established university of technology in Austria. Here, successful teams of students, talented up-and-coming scientists, ambitious researchers and a lively start-up scene enjoy an inspirational environment as well as access to top-quality equipment. And all this in one of the most innovative and livable regions in Europe. TU Graz offers an inspiring working environment with outstanding infrastructure and service-oriented university management.

The **Institute of Software Technology** at Graz University of Technology has an opening for a

PhD position (m/f/d) in "Robotics in Disaster Response"

The Autonomous Intelligent System Lab of Institute of Software Technology at Graz University of Technology is looking for a motivated PhD student to work on two new projects with special focus on robotics support for first responder. One of the projects focuses on mobile manipulation in disaster response and trust of the operator into assistant robots while the other project aims at the support of fire fighters in wild fires with a team of UAVs and UGVs. The projects will be conducted alongside with ongoing projects in disaster response aiming at autonomous navigation in challenging environments such as remote alpine areas or tunnels. The position is available from September 1, 2021 or later.

We are seeking a candidate with a strong academic background in **robotics, computer science, computer engineering** or similar.

Wanted Qualifications:

Basic knowledge and practical experience in one or more of the following areas:

- autonomous mobile robots
- automated navigation outdoors
- mobile manipulation
- trust and explainability in Robotics/AI systems
- computer vision for automated navigation
- machine Learning in the area of perception and control
- software development for robot systems (in particular with ROS)
- disaster response and cooperation with emergency services
- social, communicative and didactic competence
- excellent communication skills
- good knowledge of English

We expect the ability to work both independently as well as collaboratively in teams and with different partners as well as the willingness to cooperate in research projects carried out at the institute.

We offer:

- Access to state-of-the-art latest technologies and computing infrastructure
- Exciting opportunities for professional and personal development
- Excellent work-life balance (flexible working schedule)
- Interesting area of responsibility
- University's sports program
- Workplace Health Management
- Wide range of food on campus
- Shopping Discounts

We offer a minimum annual gross salary based on full-time of € 41,601.--, overpayment possible depending on qualification and experience. Graz University of Technology actively promotes diversity and equal opportunities. People with disabilities and who have the relevant qualifications are expressly invited to apply.

Applications, a full curriculum vitae and other documents should be sent electronically to Prof. Gerald Steinbauer-Wagner (steinbauer@tugraz.at). Please provide a single PDF file.

Application deadline: September 30, 2021

Contact

Graz University of Technology
Institute of Software Technology
Prof. Gerald Steinbauer-Wagner
Inffeldgasse 16b/II, 8010 Graz
<http://www.ist.tugraz.at/>

Information on the data processing of your application can be found at www.tugraz.at/go/datenschutzinformation-pa.