Open PhD Position (m/f/d)

fully funded 100% E13 salary
starting date as soon as possible; application deadline October 31, 2024

We are looking for a highly motivated and qualified PhD Student in the Robot Perception and Learning Lab led by Hermann Blum. The lab is part of Uni Bonn and the Lamarr Institute. The position starts as soon as possible.

About the Candidate

Candidates should have a MSc degree in computer science or engineering with a good GPA and a focus on courses in computer vision, robotics, and machine learning. Proficiency in English is a requirement, any prior knowledge of German is a bonus but not required. We are specifically looking for candidates who are interested to investigate one or more of the following topics in their PhD:

- Continual Learning
- Domain Adaptation
- Representation Learning for Robot Planning
- Foundation Models in Robotics
- Open-Set and Anomaly Detection
- Self-supervised Learning from Egocentric Sensors

About the Lab

Our lab investigates robots that can understand their environment semantically and geometrically, in order to perform manipulation and other safety critical tasks in proximity to humans. We strive to build the next generation of robots that are going to be deployed in everyday environments and need to deal with the perceptual complexity of the real world. This encompasses foundation models for robots, detection of unknown, open-set objects in the environment, adaptation of robots to new environments, and continual self-supervised learning. ➡ more info https://rpl.uni-bonn.de/

Our lab is part of the University of Bonn (Top 5 in Germany, Top 89 worldwide), one of Germany's 'Universities of Excellence' with currently 35'000 students. Uni Bonn is an established name in the robotics community with currently 7 research groups in the Center for Robotics and a specialized Robotics MSc program. Our lab is also part of the Lamarr Institute, one of the 6 German AI research centers, offering plenty of opportunities to exchange ideas and collaborate in a larger network than the university itself.

About Bonn

Bonn is a medium-sized city (330'000 inhabitants) on the banks of the river Rhine. Around 25km south of Cologne, it is on the brink to Germany's most populated area. Germany's largest airport (Frankfurt) is less than 1h away. As former capital, host to a UN site, and students counting around 10% of the population, it has a research-friendly and international atmosphere. ➡ graphical impression ➡ more info

To apply, please fill out this form until October 31

➡ https://cloud.vi.cs.uni-bonn.de/index.php/apps/forms/s/krPjagxoEBKr3y95k7cpg9ic

For more information, please contact Hermann Blum (blumh@uni-bonn.de).