Austrian Robotics Workshop 2025

The Austrian Robotics Workshop aims to bring together researchers, professionals and practitioners working on various topics in robotics to discuss recent developments and challenges in robotics and its applications. The 2025 edition of the workshop series will take place on May 8 and 9, 2025 at the Salzburg University of Applied Sciences. The organizers want to strengthen cooperation between science and industry. Therefore, contributions and participation from industry are welcome.

Topics

The workshop focuses on current research themes and topics in the field of mobile and industrial robotics. The 2025 edition of the workshop will focus on the theme "**Bridging Computer Science and Robotics**". Therefore, the workshop is dedicated but not limited to the following topics in robotics:

- Mechatronic Design
- Kinematics & Dynamics
- Control and Machine Learning for Robotics
- Robot Perception & Computer Vision
- Planning, Reasoning and AI for Robotics and Autonomous Systems
- Embedded Systems & Systems Engineering for Robotics
- Cybersecurity, Safety & Resilience for Robotics
- Human Robot Interaction

- Collaborative Robotics & Applications
- Innovations in Applications
- Machine and Robot Ethics & Sustainability
- Field Robotics, Rescue Robots, Agricultural Robots
- UAV and UGV
- Navigation & Manipulation

Preliminary Program

The program will include three invited talks, a panel discussion, oral presentations of referred contributions, a student-paper track as well as a robot and industry exhibition.

Program Committee

- Wilfried Kubinger, University of Applied Sciences Technikum Wien (Program Chair)
- Stefan Huber, Salzburg University of Technology (Workshop Chair)
- Simon Hoher, Salzburg University of Technology (Workshop Co-Chair)
- Gerald Steinbauer, Graz University of Technology
- Mathias Brandstötter, Carinthia University of Applied Sciences
- Markus Vincze, Vienna University of Technology
- Christian Neureiter, Salzburg University of Applied Sciences
- Jakob Rehrl, Salzburg University of Applied Sciences
- Hannes Waclawek, Salzburg University of Applied Sciences

Organizing Committee

- Simon Kranzer, SUAS (Workshop Co-Chair)
- Dorian Prill, SUAS
- Lisa Enzensberger, SUAS
- Janette Kaspar, SUAS
- Alexander Numrich, GMAR (Web Chair)

Important Dates

- 7.1.2025:   Paper Submission Open
- 17.2.2025:   Submission deadline
- 7.4.2025:   Notification of acceptance
- 27.4.2025:   Camera-ready paper, deadline for registration
- 8.5. & 9.5.2025:   Workshop

Tracks

- Full Paper (6 Pages)
- Student Paper (2 Pages)

Paper Electronic Submission

A paper should be submitted before the deadline via the Microsoft CMT system. Papers should be formatted according to the style of the ieeeconf class (LaTeX-Templates are available under http://www.roboticsworkshop.at). Please indicate the submission type: (a) regular track or (b) student track (primary author must be a student). All submissions will be subject to peer-review by the program committee and notification of acceptance will be sent by April 7th, 2024. Only Submissions with at least one author as registered and presenting participant will be included in the workshop proceedings. The proceedings of the workshop will be published by TU Wien Academic Press with an ISSN number. The link to the online submission system can be found at the conference webpage. The submission format is Portable Document Format (PDF).

Venue

Salzburg University of Applied Sciences, Schloss Urstein, Urstein Süd 1, 5412 Puch, Austria

Organization & Sponsoring

The workshop is organized under the auspices of the Salzburg University of Applied Sciences. Sponsors are among others GMAR, OVE, IEEE RAS Austria and the FFG.