

Austrian Robotics Workshop 2018

CALL FOR PAPERS

Innsbruck, Austria May, 17.-18. 2018

<http://www.roboticsworkshop.at>

The sixth Austrian Robotics Workshop seeks to bring together researchers, professionals and practitioners working on different topics in robotics to discuss recent developments and future challenges in robotics and its applications. The 2018 edition of the workshop series will be held at the University of Innsbruck in May 2018. The organizers envision strengthening the cooperation between academia and industry. Therefore, the contributions and participation from industry is encouraged. Further, there will be a special poster track for early (1st and 2nd year) PhD students to present their ideas and receive valuable feedback from both experienced researchers and practitioners. The general topics of the workshop include but are not limited to:

- Modelling and Control
- Mechatronic Design
- Robot Perception
- Human–Robot Interaction; Usability
- Estimation, Diagnosis and Learning
- Planning and Reasoning
- Software Design and Architectures for Mobile Robots
- Autonomous Systems, UAV, UGV
- Field and Rescue Robots, Construction Robotics, Industrial applications

The best student paper and poster will be recognized with a Best Student Paper and a Best Poster Award, respectively. Students are therefore encouraged to submit as principal (first) author.

Program

The program will include three invited talks, oral presentations of refereed contributions, a student–paper track, industry presentations and demonstrations as well as an early PhD poster session.

Keynotes

- Tamim Asfour, KIT
- Stéphane Doncieux, ISIR
- Jan Peters, TU Darmstadt

Conference Chair

- Justus Piater, UIBK

Conference Co-Chair

- Philipp Zech, UIBK

Important Dates

- January 13, 2018: Paper Submission Open
- ~~March 1, 2018: Submission deadline~~
- **March 10, 2018** **Submission deadline**
- April 7, 2018: Notification of acceptance;
Registration open
- April 30, 2018: Camera-ready paper submission
deadline, registration deadline
- May 17–18, 2018: Austrian Robotics Workshop

Submission Types

- Research Paper (4–6 pages)
- Posters (2 pages) – 1st and 2nd year PhD students only
- Industrial or scientific spotlight (1–2 pages): Extended abstracts of interest to the ARW audience, e.g.,
 - industrial research
 - successful examples of technology transfer from academic research
 - proofs of concept of creative solutions

Paper Electronic Submission

All submission types should be submitted before the deadline via the CMT conference system (<https://cmt3.research.microsoft.com/ARW2018>). Papers should be formatted according to the style of IEEE R&A conferences (templates are available for download at the conference homepage). Please indicate the submission type: (a) Research paper or (b) industrial or scientific spotlight paper. All submissions will be subject to peer review by the program committee, and notification of acceptance or rejection will be sent to the corresponding author. Accepted submissions can be included in the workshop proceedings only if at least one author is registered and presents the work at the workshop. Workshop proceedings will be published in digital format via Innsbruck University Press (<https://www.uibk.ac.at/iup/>) with associated DOIs.

Venue

Kaiser-Leopold-Saal, Universität Innsbruck, Karl-Rahner-Platz 3, 2 OG, Innsbruck.

Organization

The workshop is organized under the auspices of the University of Innsbruck.

Contact

For more information please consult <http://www.roboticsworkshop.at> or contact Ms. Cornelia Vidovic (cornelia.vidovic@uibk.ac.at).