

Preface

The Austrian Symposium on AI, Robotics, and Vision (AIRoV) is the joint symposium of the Austrian Society for Artificial Intelligence (ASAI), the Austrian Society of Measurement, Automation and Robot Technologies (GMAR), and the Austrian Association for Pattern Recognition (OAGM). Building on a long tradition of individual and joint OAGM and ARW/GMAR workshops, AIRoV 2026 marks the **Third Joint Symposium** of our three closely related associations.

Our objective is to bring together our overlapping communities, foster exchange, develop synergies, define common visions and ambitions, enhance the visibility of our activities, and provide a forum for the next generation of researchers. AIRoV 2026 took place on **April 13–15, 2026**, hosted at **Technical University of Leoben**. The Welcome Dinner on April 13, 2026 was held at the Dominikanerhof inside the Leoben City Shopping Centre.

The program was built around two half-day sessions of parallel workshops. These workshops focused on topics of interest to at least two of the participating communities and ran over one or both sessions.

- AIM: AI in Medicine
- ARW: Austrian Robotics Workshop (Tactile Robotics)
- AV: Applied Vision
- CERTAI: AI Certification, Fairness and Regulations
- DTAAS: Digital Transformation of Animal and Agri Science
- PhysicsML: Physics-Informed Machine Learning and Hybrid Modelling
- RoboWork: Robotic Learning and Human–Robot Interaction
- SNNSys: Workshop on Spiking Neural Networks
- SSR: Semantic Scene Representations

These sessions featured contributed talks based on peer-reviewed publications. The authors were also invited to present their work in a joint poster session.

In addition to the contributed talks, there were plenary sessions featuring keynote presentations by three invited speakers:

- **Berk Calli**, Worcester Polytechnic Institute (WPI), USA – Associate Professor leading the Manipulation and Environmental Robotics (MER) Lab; research spanning robotic grasping, soft robot control, and active vision.
- **Sebastian Otte**, University of Lübeck, Germany – Professor at the Institute for Robotics and Cognitive Systems and head of the Research Group for Adaptive Artificial Intelligence; focus on flexible, resource-efficient AI systems.
- **Sebastian Böck**, NXAI, Linz, Austria – Lead Researcher specialising in deep learning, sequence modelling, and time series forecasting; research centred on the xLSTM paradigm.

The proceedings are hosted using infrastructure provided by TU Wien Bibliothek.

Florian Kleber (Publication Chair, OAGM/TU Wien)
Bernhard Nessler (Workshop Chair, ASAI/SCCH)
Peter M. Roth (Publication Chair, OAGM/WVPU)
Elmar Rückert (Local Chair, GMAR/TU Leoben)