



# ARW & OAGM JOINT WORKSHOP ON “VISION AND ROBOTICS”

May 09-10, 2019 Steyr, AT

# CALL FOR PAPERS

The joint workshop aims at further fostering collaboration of Austria's computer vision and robotics communities and of discussing emerging topics in both fields. We look forward to presentation and discussion of research progress as well as current projects within the Austrian robotics and OAGM community.

The Austrian Robotics Workshop (ARW) and OAGM Workshop will be held at FH-Steyr from 9th to 10th of May 2019. A specific goal is to strengthen the cooperation between academia and industry. Therefore, the contributions and participation from industry is strongly encouraged, e.g., with short spotlight papers. The general topics of the workshop include but are not limited to:

## CONFERENCE CHAIRS

**Markus Vincze, TU Vienna**  
ARW Chair

**Andreas Pichler, PROFACTOR**  
ARW Chair

**Robert Sablatnig, TU Vienna**  
OAGM Chair

**Gernot Stübl, PROFACTOR**  
OAGM Chair

## INVITED PLENARY SPEAKERS

**Horst Bischof**  
Graz University of Technology

**Jiří Matas**  
Center for Machine Perception, Czech Technical  
University in Prague

**Alin Albu-Schäffer**  
German Aerospace Center (DLR)

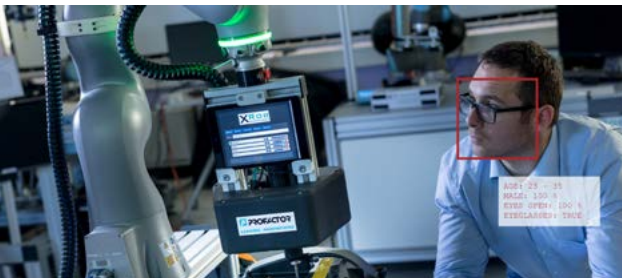
**Manfred Tscheligi**  
Austrian Institute of Technology

### General Topics ARW:

- Robot kinematics and dynamics
- 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
- Safety & security
- Collaborative Robot – Cobots
- Autonomous Systems, UAV, UGV
- Field and Rescue Robots
- Construction Robotics
- Industrial applications

### General Topics OAGM:

- Pattern recognition (visual & non-visual data)
- Object detection, recognition & categorization
- 3D vision, stereo & structure from motion
- Image & video retrieval
- Cognitive vision
- Safety & security
- Statistical methods & learning
- Embedded computer vision
- Image denoising, restoration & enhancement
- Regularization models for image analysis
- Motion & tracking
- Scene modelling & understanding
- Video analysis & event recognition
- Face & gesture analysis
- Biometrics, Medical image analysis
- Computational anatomy & atlases
- Computer-aided detection
- Computer assisted medical interventions
- Clinical & biological applications
- Industrial applications



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## TRAVEL INFORMATION

### Venue

University of Applied Sciences Upper Austria -  
Campus Steyr  
Wehrgrabengasse 1-3, 4400 Steyr  
Room: HS Zumtobel (ground floor)

Travel information and Hotel recommendation  
can be found on the official website:  
<https://www.profactor.at/events/austrian-robotics-workshop-oagm-2019/travel-information/>

## ORGANIZATION & SPONSORING

The workshop is organized by PROFACOR.  
The workshop will be supported by GMAR –  
Gesellschaft für Mess-, Automatisierungs- und  
Robotertechnik, by Austrian Association for  
Pattern Recognition, and by Austrian Computer  
Society.



### Contact

ARW2019@profactor.at  
OAGM2019@profactor.at

## Paper Electronic Submission

All submission types should be submitted before the deadline via the EasyChair conference system (<https://easychair.org/conferences/?conf=oagm2019>). 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. We strongly encourage students to submit as principal (first) author a paper to this joint workshop. All submissions will be subject to peer-review by at least three members of the program committee and notification of acceptance or rejection will be sent to the corresponding author. Only submissions with at least one author as registered and presenting participant will be included in the workshop proceedings. Workshop proceedings will be published in digital format (with ISBN).

## IMPORTANT DATES

Paper submission open	January 13, 2019
Full paper submission deadline	March 01, 2019
Featured presentations	April 07, 2019
Notification of acceptance; Registration open	April 17, 2019
Early workshop registration deadline	April 21, 2019
Camera-ready paper submission deadline; Registration deadline	April 30, 2019
Austrian Robotics Workshop & OAGM Workshop	May 09-10, 2019

## SUBMISSION TYPES

- Research Paper (4-6 pages)
- Industrial or scientific spotlight (1-2 pages)
- Posters (2 pages) – student contributions
- Featured Papers (papers already presented at high ranked conferences)