

OAGM & ARW Joint Workshop on “Vision, Automation & Robotics”

CALL FOR PAPERS

Vienna, Austria May 10-12, 2017

<http://www.roboticsworkshop.at>

The second joint workshop aims at further fostering collaboration of Austria’s computer vision and robotics communities and of discussing emerging topics in both fields. We strive for presentations that will be of interest for both of the scientific groups in joint sessions and look forward to the presentation and discussion of research progress as well as current projects within the OAGM/AAPR and the Austrian robotics community.

The workshop will be held at Palais Eschenbach in Vienna from 10th to 12th of May 2017. 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:

General Topics ARW:

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

General Topics OAGM/AAPR:

- Pattern recognition
- Object detection, recognition & categorization
- 3D vision, stereo and structure from motion
- Image and video retrieval
- Statistical methods and machine learning
- Embedded computer vision
- Motion & tracking
- Video analysis & scene understanding
- Medical image processing and biometrics
- Industrial applications

Preliminary Program

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

Invited Talks:

- Harold Artes, Robart
- Daniel Cremers, TU Munich
- Pedro Sanz, Universitat Jaume

Organizing Committee

Conference Chair:

- Markus Vincze, TU Vienna

Web Chair:

- Friedrich Praus, UAS Technikum Wien

ARW Co-Chairs:

- Wilfried Kubinger, UAS Technikum Wien
- Andreas Müller, JKU Linz
- Markus Vincze, TU Vienna

OAGM/AAPR Co-Chairs:

- Bernhard Blaschitz, AIT
- Peter M. Roth, TU Graz
- Svorad Stolc, AIT

Important Dates

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|-------------------------------------------|-----------------------------------------------|
| • January 13, 2017: | Paper Submission Open |
| • March 1, 2017 March 15, 2017 | Submission deadline |
| • April 7, 2017: | Notification of acceptance |
| • April 30, 2017: | Camera-ready paper, deadline for registration |
| • May 10-12, 2017: | Joint Workshop |

Submission Types

- Research Paper (4-6 pages)
- Industrial or scientific spotlight (1-2 pages)

Paper Electronic Submission

All submission types should be submitted before the deadline via the EasyChair conference system (<http://www.easychair.org/conferences/?conf=arw17>). 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. ARW and OAGM/AAPR each donate a best paper award for the best student paper presented at the workshop. 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. 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).

Venue

Haus der Ingenieure, Festsaal, Eschenbachgasse 9, 1010 Wien

Organization & Sponsoring

The workshop is organized under the auspices of TU Vienna, AIT Austrian Institute of Technology and UAS Technikum Wien. The workshop will be supported by GMAR – Gesellschaft für Mess-, Automatisierungs- und Robotertechnik, by the IEEE Austria Section, and by the IEEE Robotics and Automation Society Austrian Chapter.

Contact

For more information please consult <http://www.roboticsworkshop.at> or contact Ms. Carina Pichler (pichler@acin.tuwien.ac.at).