

OAGM/AAPR Workshop 2018

Medical Image Analysis

May 15-16, Hall/Tyrol, Austria

<https://workshops.aapr.at/oagm-2018>

The Austrian Association for Pattern Recognition (OAGM/AAPR) invites authors and guests to participate at its 42nd annual workshop, held in Hall/Tyrol on May 15-16, 2018. The workshop provides a platform for presentation and discussion of research progress as well as current projects within the OAGM/AAPR community. This year we additionally focus on the theme of medical image analysis and applications of computer vision, image processing and pattern recognition in the medical context, with the aim to bring together Austrian and nearby located groups working on this topic for discussion and establishing potential collaborations.

General Topics

- 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
- Optimization
- Image denoising, restoration & enhancement
- Regularization models for image analysis
- Motion & tracking
- Scene modeling & understanding
- Video analysis & event recognition
- Face & gesture analysis
- Performance evaluation
- Robot perception
- Biometrics
- Medical image analysis
- Computational anatomy & atlases
- Computer-aided detection
- Computer assisted medical interventions
- Clinical & biological applications
- Industrial applications

We solicit **full papers** (6-8 pages) of original, unpublished work, as well as **application spotlight papers** (2-4 pages) focusing on the solution of practical problems in industry and other domains. All submitted papers will undergo a double blind peer review process by the programme committee. Accepted papers will be published online with "Verlag der TU Graz" in a fully open-access electronic volume (with ISBN, and DOIs for individual papers), compare https://aapr.at/?page_id=270 for links to last year's proceedings.

An OCG sponsored **Best Paper Award** will be awarded to the best work selected among the accepted full papers.

General Workshop Chair

- Martin Welk, UMIT Hall/Tyrol

Workshop Co-Chairs

- Peter M. Roth, Graz University of Technology
- Martin Urschler, Ludwig Boltzmann Institute for Clinical Forensic Imaging Graz

Invited Speakers

- Marleen de Bruijne, Erasmus MC, Rotterdam, The Netherlands and University of Copenhagen, Denmark
- Björn Menze, TU Munich, Germany

Programme Committee

- Helmut Ahammer, Medical University of Graz
- Reinhard Beichel, University of Iowa
- Csaba Beleznai, Austrian Institute of Technology
- Horst Bischof, Graz University of Technology
- Kristian Bredies, Karl Franzens University of Graz
- Katja Bühler, VRVis Vienna
- Wilhelm Burger, FH Hagenberg
- Gernot Stübl, Profactor GmbH & JKU Linz
- Friedrich Fraundorfer, Graz Univ. of Technology
- Karl Fritscher, UMIT Hall/Tyrol
- Harald Ganster, Joanneum Research Graz
- Margrit Gelautz, Vienna University of Technology
- Sasa Grbic, Siemens Corporate Res. Princeton
- Bernhard Kainz, Imperial College London
- Walter G. Kropatsch, Vienna Univ. of Technology
- Roland Kwitt, University of Salzburg
- Christoph Lampert, IST Austria
- Georg Langs, Medical University of Vienna
- Mathias Lux, Alpen-Adria University Klagenfurt
- Klaus Maier-Hein, DKFZ Heidelberg
- Hubert Mara, Heidelberg University
- Bernhard Moser, SCC Hagenberg
- Thomas Pock, Graz University of Technology
- Hayko Riemenschneider, ETH Zürich
- Robert Sablatnig, Vienna University of Technology
- Josef Scharinger, JKU Linz
- Veronika Schöpf, Karl Franzens University of Graz
- Rainer Schubert, UMIT Hall/Tyrol
- Andreas Uhl, University of Salzburg
- Markus Vincze, Vienna University of Technology
- Tomaz Vrtovec, University of Ljubljana
- Christian Wachinger, LMU Munich
- Christopher Zach, Toshiba Research Cambridge

Important Dates

Full paper submission deadline:	March 07, 2018
Notification of acceptance:	April 23, 2018
Early workshop registration:	April 27, 2018
Final paper due:	May 07, 2018
Workshop Hall/Tyrol:	May 15-16, 2018