

**W31 – 6th International Workshop on
Assistive Computer Vision and Robotics**

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This document introduces the contributed papers accepted for presentation during the Sixth International Workshop on Assistive Computer Vision and Robotics (ACVR2018) that was held in Munich on September 9, 2018 as a satellite event of the 15th European Conference on Computer Vision (ECCV2018). The interest of the research community to the workshop topics has been once again proved by the quality and the number of contributed submissions. In particular, this year the workshop received 25 submissions that were double-blind peer reviewed by at least 4 experts each. Reviewers' comments have led to accept 4 papers as oral and poster and 8 papers as only poster presentation.

In addition to contributed papers, the ACVR2018 proceeding is completed by a not peer-reviewed summary paper. This paper has been written by the workshop organizers who discuss about the new frontiers in assistive technologies. In particular, the paper starts from the recent advances in computer vision that are strongly pushing forward many application fields and then it concentrates on how assistive technologies are dragged by this revolution mainly pushed forward by new learning paradigms based on deep architectures but not just.

The workshop program was completed by two invited speeches by Tae-Kyun Kim (Imperial College of London, United Kingdom) who gave a really eye-opening talk about “3D Hand Pose Estimation for Novel Man-Machine Interface” and Fabio Galasso (OSRAM GmbH, Germany) who gave an enlightening talk about “Computer Vision and Smart Lighting relevant to Assistive Technologies”. Organizers take this opportunity to thank all the members of the technical program committee who carefully reviewed the contributed papers, the endorsers (TOSHIBA, ST, ORCAM and CVPL) and all the attendees whose observations helped to start a good discussion on how the world of assistive technologies is changing and on which are the open research areas of greatest scientific interest.

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Giovanni M. Farinella
Marco Leo
Gerard G. Medioni
Mohan Trivedi