

ACVR@2016

Fourth International Workshop on Assistive Computer Vision and Robotics Amsterdam, The Netherlands - October 9th, 2016

In conjunction with ECCV 2016

The main scope of ACVR 2016 is to bring together researchers from the diverse fields of engineering, computer science, social and bio-medical science who investigate in the context of Computer Vision and Robotics to discuss the current and next generation of Assistive Technologies.

The researchers will present their latest progress and discuss novel ideas in the field. Besides the technologies used, emphasis will be given to the precise problem definition, the available benchmark databases, the need of evaluation protocols and procedures in the context of Assistive Technologies.

Research papers are solicited in, but not limited to, the following areas topics:

Augmented and Alternative Communication

Human - Robot Interaction

Mobility Aids

Rehabilitation Aids

Home Healthcare

Technology for Cognition

Automatic Emotional Hearing and Understanding

Activity Monitoring Systems

Manipulation Aids

Scene Understanding

Life-logging

Visual Attention and Visual Saliency

Smart Environments

Safety and Security

Ambient Assistive Living

Quality of Life Technologies

Navigation Systems

Sensory Substitution

Mobile and Wearable Systems

Applications for the Visually Impaired

Sign language recognition and applications for hearing impaired

Applications for the Ageing Society

Datasets and Evaluation Procedures

Personalised Monitoring

Video summarization

Egocentric and First-Person Vision

Applications to improve health and wellbeing of children and elderly

Food Understanding

Robotic Vision

Workshop Chairs

Giovanni Maria Farinella, University of Catania, IT

Marco Leo, CNR - Institute of Applied Sciences and Intelligent Systems, IT

Gerard G. Medioni, University of Southern California, US

Mohan Trivedi, University of California San Diego, US

Important Dates

Full Paper Submission: June 26th, 2016
(hard deadline, no extension will be given!)

Notification of Acceptance: July 26th, 2016

Camera-Ready paper due: July 31st, 2016

Author Registration: July 31st, 2016

Workshop: October 9th, 2016

Contact: ACVR.workshop@gmail.com



UNIVERSITÀ
di CATANIA



INO
NATIONAL INSTITUTE
OF OPTICS



Technical Program Committee

Salvatore Anzalone, ISIR–Univ.Pierre et Marie Curie, Paris, FR
Lamberto Ballan, Stanford University, US
Stefania Bandini, University of Milan, IT
Sebastiano Battiato, University of Catania, IT
Serge J. Belongie, University of California, US
Bir Bhanu, University of California, US
Nikolaos Bourbakis, Wright State University, USA
Anil Anthony Bharath, Imperial College of London, UK
Alessandro Capra, STMicroelectronics, IT
Barbara Caputo, Università La Sapienza, IT
Sarah A Cassidy, University of Cambridge, UK
Andrea Cavallaro, Queen Mary University, UK
Antonio Chella, University of Palermo, IT
Simone Chiappino, University of Genova, IT
Donald Chiarulli, University of Pittsburgh, US
Gianluigi Ciocca, University of Milan, IT
Roberto Cipolla, University of Cambridge, UK
Francesca Cordella, University Campus Bio-Medico of Rome, IT
James Coughlan, Smith-Kettlewell Institute, US
Stefania Cristina, University of Malta, MA
Dima Damen, University of Bristol, UK
Donato Di Paola, CNR - Institute of Intelligent Systems, IT
Cem Direkoglu, Middle East Technical University, CY
Cosimo Distante, CNR-ISASI, IT
Corneliu Florea, University Politehnica of Bucarest, RO
Antonino Furnari, University of Catania, IT
Kristen Grauman, University of Texas, Austin, US
Josechu Guerrero, University of Zaragoza, ES
Hatice Gunes, University of Cambridge, UK
Gregory D. Hager, The Johns Hopkins University, US
Zakia Hammal, Carnegie Mellon University, US
Yulia Hicks, Cardiff University, UK
Giovanni Indiveri, University of Salento, IT
Takeo Kanade, Carnegie Mellon University, US
Eunjeong Ko, Konkuk University, KR
Daniel Koester, Karlsruhe Institute of Technology, DE
Wei Li, City College of New York, US
Rui Li, University of Rochester, US
Liliana Lo Presti, University of Palermo, IT
Jiebo Luo, University of Rochester, US
Atsuto Maki, Royal Institute of Technology (KTH), SE

Danilo P. Mandic, Imperial College of London, UK
Roberto Manduchi, University of California-SC, US
Inaba Masayuki, University of Tokyo, JP
Maja Mataric, University of Southern California, US
Pier Luigi Mazzeo, Institute of Optics, IT
Markos Mentzelopoulos, University of Westminster, UK
Stefano Messelodi, Fondazione Bruno Kessler, Trento, IT
Ruggero Micheletto, Yokohama City University, JP
Annalisa Milella, Institute of Intelligent Systems, IT
Stavroula Mouggiakakou, University of Bern, DE
Maja Pantic, Imperial College of London, UK
Devi Parikh, Virginia Tech, US
Eli Peli, Harvard Medical School, US
Alejandro Perez Yus, Universidad de Zaragoza, ES
Antonio Petitti, Issia-BA, IT
Giovanni Pioggia, Institute of Clinical Physiology, IT
Fiara Pirri, Università La Sapienza, IT
Giovanni Puglisi, University of Cagliari, IT
James M. Rehg, Georgia Institute of Technology, USA
Giulio Reina, University Of Salento, IT
Alejandro Rituerto, University of Zaragoza, ES
Mikel Rodriguez, MITRE, US
Sudeshna Roy, Indian Institute of Technology Madras, IN
Ashutosh Saxena, Stanford University, USA
Alessia Saggese, University of Salerno, IT
Silvio Savarese, Stanford University, US
Davide Scaramuzza, University of Zurich, CH
Amnon Shashua, The Hebrew University of Jerusalem, IL
Nikhil Somani, Technische Universität München, DE
Paolo Spagnolo, CNR-ISASI, IT
Bjorn Stenger, Toshiba Research Europe, UK
Jonathan Tompson, New York University, US
Constantin Vertan, University Politehnica of Bucarest, RO
Giuseppe Vizzari, University of Milano-Bicocca, IT
Weiyi Wang, Vrije Universiteit Brussel, BE
Jamie Ward, University of Sussex, UK
Viviana Weiss, University of Geneva, CH
Yonatan Wexler, OrCam, IL
Guang-Zhong Yang, Imperial College of London, UK
Zhiqiang Zhu, City College of New York, US

Invited speakers:



Devi Parikh, Virginia Tech, US
<https://filebox.ece.vt.edu/~parikh/>

Visual Question Answering



Barbara Caputo, University of Rome La Sapienza
<http://www.idiap.ch/~bcaputo/>

Life long learning in computer and robot vision



UNIVERSITÀ
di CATANIA



INO
NATIONAL INSTITUTE
OF OPTICS



Submission and Revision

All submissions will be handled electronically via a CMT website (link will be provided soon).

The format for paper submission is the same as the ECCV main conference. Please refer to the following files for detailed formatting instructions:

- [eccv2016kit](#) (ZIP file format)
- [eccv2016submission](#) (example PDF)
- [copyright](#) (Copyright form PDF)

The paper length should match that intended for final publication. Papers are limited to 14 pages, excluding references.

Papers that are not blind, or do not use the template, or have more than 14 pages (excluding references), will be rejected without review.

For more information, please refer to the [ECCV2016 Author Guidelines](#).

Proceeding and Journal Special Issue:

Accepted papers will be published in the, (post-conference) proceedings of the workshops. More information will be available soon.

The authors of the accepted papers could be invited to submit an extended version, at least 40+% different than the workshop versions) of their papers to a special issue, with open call and peer review) of a top journal in the computer vision or robotics research area.

Venue

ACVR 2016 will be held at the [Oudemanhuispoort](#) of the University of Amsterdam.
Oudemanhuispoort 4 – 6, 1012 CN Amsterdam.



UNIVERSITÀ
di CATANIA



INO
NATIONAL INSTITUTE
OF OPTICS

 **USC** University of
Southern California



Endorsers

TOSHIBA
Leading Innovation >>>



UNIVERSITÀ
di CATANIA



INO
NATIONAL INSTITUTE
OF OPTICS

