

Call for Papers

Track 6 – Computer Vision and Human-Machine Interaction in Industrial and Factory Automation

Track co-chairs

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- ❖ **FOCUS.** The track focuses on cutting-edge and current research in computer vision, object detection/recognition, human activity recognition and human factors for Human-Machine Interaction in industrial applications.

❖ TOPICS

- ❖ Computer vision systems
- ❖ Machine vision technology for flexible factory automation □
- ❖ Image and video processing, analysis and interpretation □
- ❖ Monitoring and surveillance
- ❖ Vision-based human-machine interaction
- ❖ Multimodal communication
- ❖ Human activity and behavior understanding
- ❖ Human-machine interface design and evaluation
- ❖ Virtual, mixed, and augmented reality
- ❖ Mobile, wearable and ubiquitous computing
- ❖ System and user evaluation
- ❖ Information visualization

- ❖ **AIM.** The aim of the conference is to bring together researchers and practitioners from the industry and academia and provide them with a platform to report on recent advances and developments in the newly emerging areas of technology, as well as actual and potential applications to industrial and factory automation.

- ❖ **CONFERENCE FORMAT.** The conference will comprise multitrack sessions for regular papers, to present significant and novel research results with a prospect for a tangible impact on the research area and potential implementations; work-in-progress (WIP) sessions; panel discussions on the state-of-the-art and emerging trends, involving leading experts from industry and academia; and public discussion sessions moderated by leading experts in the field of industrial automation systems.

AUTHOR'S SCHEDULE (2023)

❖ Regular and special sessions papers

Submission deadline March 31
Acceptance notification May 5
Deadline for final manuscripts June 16

❖ Work-in-progress/ Industry practice papers

Submission deadline May 12
Acceptance notification June 9
Deadline for final manuscripts June 16

Track Programme Committee

- ❖ Jacopo Aleotti, University of Parma, Italy
- ❖ Tullio Facchinetti, University of Pavia, Italy
- ❖ Pablo Gil, Universidad de Alicante, Spain
- ❖ Vijay Kakani, Inha University, Korea
- ❖ Michal Kawulok, Silesian University of Technology, Poland
- ❖ Marco Leo, National Research Council of Italy, Italy
- ❖ Alejandro Magaña Flores, Zeiss
- ❖ Gonçalo Marques, Polytechnic of Coimbra, Portugal
- ❖ João Martins, Universidade Nova de Lisboa, Portugal
- ❖ Ricardo Monica, University of Parma, Italy
- ❖ Pedro Neto, University of Coimbra, Portugal
- ❖ António Neves, University of Aveiro, Portugal
- ❖ Andrea Nucita, University of Messina, Italy
- ❖ Alberto Tellaeche, University of Deusto, Spain