Call for Papers - Track 6
Computer Vision and Human-Machine Interaction in Industrial and Factory Automation

Track chairs

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FOCUS The track focuses on cutting-edge and current research in computer vision, object detection/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
- ❖ 3D Computer Vision and Interpretation
- ❖ Edge Computing applied to computer vision
- ❖ Benchmarks for computer vision

❖ **AIM.** The aim of the conference is to bring together the international community to present the latest research results, share new ideas and engineering breakthroughs, and discuss state-of-the-art challenges and future directions in technology and innovation in the broad domain of Automation with a focus on Industrial and Factory Automation.

❖ **CONFERENCE FORMAT.** The conference will comprise multi-track 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, as well as work-in-progress (WiP) and industry practice sessions.

❖ **AUTHOR'S SCHEDULE (2026)**

❖ Regular and special sessions papers
  Submission deadline .... April 19
  Acceptance notification .... May 25
  Deadline for final manuscripts .... July 4

❖ Work-in-progress/Industry practice papers
  Submission deadline .... May 31
  Acceptance notification .... June 19
  Deadline for final manuscripts .... July 4

Track Program Committee

- ❖ **Jacopo Aleotti**, *University of Parma, Italy*
- ❖ *Martin Atzmueller, Osnabrück University, Germany*
- ❖ **Kosmas Alexopoulos**, *University of Patras, Greece*
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- ❖ **Alejandro Magaña Flores**, *ZEISS Digital Innovation, Germany*
- ❖ *Tobias Schlosser, Dresden University, Germany*
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