



ICDSC 2019

13th International Conference on Distributed Smart Cameras

Trento, 9-11 September, 2019



CALL FOR PAPERS

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Smart camera networks are a fundamental piece of our intelligent cities, buildings, and homes, progressively inserting themselves into our lives. From **smart surveillance systems** composed of a multitude of smart camera nodes to **small wearable (mobile) cameras** able to render a visual log of our daily experience, these devices interact with each other and with a wealth of other smart things, through the Internet. Their rapid development has been possible thanks to the convergence of several technologies. From advanced image sensors and vision chips to embedded vision systems capable of efficient feature extraction, image encoding and wireless transmission of the relevant visual content: this technology opens the door to new application domains, where video analytics and semantic information extraction is performed in a distributed fashion, implementing novel cooperative and/or collaborative frameworks for scene understanding. ICDSC is the appropriate forum to discuss recent advances and open issues in these topics.

ICDSC 2019 is seeking original high quality submissions addressing innovative research in the broad field of camera networks. Topics include, but are not limited to:

- Distributed smart cameras and network architectures
- Distributed video analytics
- Data aggregation and information fusion
- Smart cameras in Internet of Things (IoT), Industry 4.0 and smart transportation
- Smart image sensors and vision chips
- Mobile vision
- 3D reconstruction
- Autonomous vehicles and autonomous driving
- Social robots
- Body-worn cameras
- Machine learning in distributed camera networks
- Emerging applications (e.g., smart cities, virtual/augmented reality, health monitoring)
- Deep learning on embedded systems

The event will be co-located with the 20th edition of ICIAP (International conference on Image Analysis and Processing), organized biennially by the Italian Member Society (CVPL) of the International Association for Pattern Recognition (IAPR).

ICDSC reviewing is double blind. In line with the previous editions, ICDSC 2019 will feature a PhD Forum and a Demo Session. Authors of high quality papers will be invited to extend their work and submit it for a special issue in a JCR-indexed journal.

IMPORTANT DATES

February 25, 2019:	<i>Special Session Proposals</i>
March 4, 2019:	<i>Special Session Selection</i>
May 3, 2019:	<i>Paper Submission</i>
June 24, 2019:	<i>Notification of acceptance</i>
July 22, 2019:	<i>Submission of camera-ready papers</i>
July 27, 2019:	<i>Submission of Demo and Ph.D Forum papers</i>

For further information and updates, please refer to the conference website:

<http://icdsc.org>