

## CALL FOR PAPERS

# INTELLIGENT ROBOTICS AND INDUSTRIAL APPLICATIONS USING COMPUTER VISION 2020

### CONFERENCE HOT TOPICS

Submissions that address machine intelligence aspects in:

- Advanced manufacturing
- Medical/diagnostic imaging
- Deep learning
- Multi-sensor fusion

### AWARD

- Best Student Paper Award

### CONFERENCE TOPICS ONGOING\*

- Computer vision algorithms and applications for industry, robots, surveillance
- 3D vision: modeling, perception, processing, recognition, predictive
- Physical, thermal, color, and/or spectroscopic algorithms & applications
- High-throughput systems for medical or biological applications
- Intelligent mobile robot methods and advancements
- Machine vision applications for industrial R&D, harsh environments
- Autonomous multi-vehicle collaboration
- Robotic aids for the elderly, health, education, and transportation
- Cognitive learning strategies and systems
- Tracking and scene analysis; active vision and real-time techniques; mobile mapping
- Object modeling and recognition for robotic vision
- Computational attention

\* See conference webpage for detailed listing of subtopics

### ABOUT THE SYMPOSIUM

A week of interconnected imaging science events allowing you to expand your knowledge and network, including:

- Short courses taught by international experts
- 17 conferences—from Autonomous Vehicles to VR to Image Quality
- Opportunities for Students and Young Professionals
- 3 engaging Plenary Talks
- Joint sessions to increase knowledge across areas
- 3D Theater, Demonstration Session, Exhibition, Receptions, and more

### CONFERENCE WEBSITE

A complete list of conference topics and details for submission is found on the conference webpage: [bit.ly/EI2020\\_IRIACV](http://bit.ly/EI2020_IRIACV)

### SUBMISSION OPTIONS

**Presentation + proceedings paper:** Submit a 500-word structured abstract with optional figures using the symposium template. Accepted authors write 4-6 page paper for inclusion in the Open Access conference proceedings.

**Presentation-only:** Submit a 500-word short abstract. Accepted authors present work, but do not write a proceedings paper.

**Journal-first paper:** Submit a full, journal-ready paper, for Open Access publication in the selected journal (provides journal citation) and inclusion in the conference proceedings. Authors present their papers at EI. Select either the *Journal of Imaging Science and Technology* (JIST) or *Journal of Perceptual Imaging* (JPI).

### SUBMISSION DEADLINES

**Early decision:** 15 July 2019

**JIST- /JPI-first:** 15 July 2019

**Regular submission:** 30 September 2019

### FINAL PROCEEDINGS MANUSCRIPT DEADLINE

Typical length: 4-6 pages

- **FastTrack viewing** (available online at EI): 25 November 2019
- **Post-EI viewing:** 10 February 2020

To register or learn more, visit  
[www.ElectronicImaging.org](http://www.ElectronicImaging.org)

