

CALL FOR PAPERS

IMAGING SENSORS AND SYSTEMS 2020

CONFERENCE HOT TOPICS

Submissions that address photography, mobile, sensing, and immersive capture aspects in the following areas are welcome::

- Color
- Deep learning
- HDR imaging and displays
- Light field imaging
- Medical/diagnostic imaging
- Multi-scale data integration
- Scientific imaging

SPECIAL EVENT

The Imaging Sensors and Systems Conference will host a conference dinner.

AWARD

- Arnaud Darmont Memorial Best Paper Award

CONFERENCE TOPICS ONGOING*

Image input hardware: Novel image sensors, optics and module, depth sensing

Imaging algorithms: Device calibration, image/video artifact corrections, enhancement, rendering, computational photography, image fusion, sensor fusion, photogrammetry, depth map estimation and 3-D imaging

Imaging system architecture: Novel system design and simulation, imaging system pipeline, 3A, digital image stabilization, ...

Immersive imaging: 360 surround camera architectures, Cinematic VR systems, digital sense, applications, challenges and innovative solutions

Deep learning: Application of machine learning/deep learning approaches toward solving problems related to mobile capture, AR/VR, camera pipelines

Advances in technologies and models: Innovative devices, process, and post-process (e.g., 3D integration)

High-end image sensors: High speed, large format, ultra low power & low noise

On-chip processing for smarter sensors: Bio-inspired image sensor

Image sensors assessment and novel implementations or applications: Miniature autonomous systems based on image sensors

* 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 submission requirements is found on the conference webpage: bit.ly/EI2020_ISS

SUBMISSION OPTIONS

Presentation + proceedings paper: Submit a 4-6 page draft proceedings paper 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

