

CALL FOR PAPERS**IMAGE QUALITY AND SYSTEM PERFORMANCE XVI**

Submissions that address the Symposium-wide themes, joint sessions, and/or conference topics are welcome.

SYMPOSIUM-WIDE THEMES FOR EI 2019

- 3D Imaging
- Autonomous vehicles
- Augmented, virtual, and mixed reality (AR/VR/MR) imaging

PROSPECTIVE JOINT SESSIONS

- Automotive imaging
- Data analytics and visualization
- HDR imaging and displays
- Light field imaging
- Medical / diagnostic imaging
- Scientific imaging

CONFERENCE TOPICS***Image quality**

- Image quality attributes, characterization, and metrics
- Image preference, saliency, scene dependency
- Machine learning visual quality methods (e.g., CNN)
- No-reference and multi-modal (audio and video) metrics

System performance

- Imaging system simulation and modeling
- Camera ISP tuning and quality trade-offs
- Autonomous vehicle vision system performance

Standards for image quality and system performance

- Standards for image and video quality
- Mobile, automotive, and video imaging performance

* See conference webpage for detailed listing of subtopics

AWARDS

- Best Paper Award (Sponsored by NVIDIA Corporation)
- Best Student Paper Award

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
- 18 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/EI2019_IQSP

SUBMISSION OPTIONS

Presentation + proceedings paper: Submit a 500-word structured abstract (template provided). 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: 30 June 2018

JIST- /JPI-first: 30 June 2018

Regular submission: 8 September 2018

FINAL PROCEEDINGS MANUSCRIPT DEADLINE

Typical length: 4-6 pages

- **FastTrack viewing** (available online at EI): 16 November 2018
- **Post-EI viewing:** February 2019

To register or learn more, visit
www.ElectronicImaging.org

