IS&T International Symposium on

Electronic Imaging 2018
SCIENCE AND TECHNOLOGY

28 January – 2 February 2018
Hyatt San Francisco Airport, CA

Where Industry and Academia Meet

Join us

IMAGE SENSORS AND IMAGING SYSTEMS (IMSE) 2018

Conference days: 31 Jan and 1 Feb | Conference website: www.image-sensors.org

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Conference Sponsors

CONFERENCE KEYNOTES

- **Quantum efficiency and color**, Jörg Kunze, Basler (Germany)
- **Dark current limiting mechanisms in CMOS image sensors**, Dan McGrath, BAE Systems (US)
- **Sub-electron low-noise CMOS image sensors**, Angel Rodríguez-Vázquez, Universidad de Sevilla (Spain)
- **Advances in automotive image sensors**, Boyd Fowler, OmniVision Technologies (US), and Johannes Solhusvik, OmniVision Technologies Europe Design Center (Norway)
- **Security imaging in an unsecure world**, Anders Johannesson, Axis Communications (Sweden)

CONFERENCE SESSIONS

- Color and Spectral Imaging
- Depth Sensing [with 3D Image Processing, Measurement (3DIPM), and Applications Conf.]
- Technology and Design for High Performance Imaging
- High Speed Imaging
- Imaging Sensors and Technologies for Automotive Intelligence (with Autonomous Vehicles and Machines and Photography, Mobile, and Immersive Imaging Confs.)
- Novel Vision Techniques and Applications
- Noise, Performance, and Characterization
- Interactive (Poster) Papers

RELATED SHORT COURSES

- **EI08 Introduction to Digital Color Imaging**
  Gaurav Sharma, Univ. of Rochester (US)
  Sunday 28 January 1:30 – 5:45 pm

- **EI15: Digital Imaging and Astro Photography**
  Daniele Marini, Università degli Studi di Milano (Italy)
  Monday 29 January 8:30 am – 12:45 pm

- **EI16: Joint Design of Optics and Image Processing for Imaging Systems**
  David Stork, Rambus (US)
  Tuesday 30 January 8:30 am – 12:45 pm

- **EI20: Introduction to CMOS Image Sensor Technology**
  Arnaud Darmont, APHESA (Belgium); Sunday January 28, 8:00 – 10:00 am

- **EI22: Fundamentals of Spectral Measurements for Color Science**
  David Wyble, Avian Rochester (US)
  Sunday 28 January 10:15 am – 12:15 pm

- **EI28: Camera Noise Sources and its Characterization Using International Standards**
  Uwe Artmann, Image Engineering (Germany), and Kevin Matherson, Microsoft Corp. (US); Monday 29 January 8:30 – 10:30 am

SYMPOSIUM PLENARY TALKS

Monday: Overview of Modern Machine Learning and Deep Neural Networks – Impact on Imaging and the Field of Computer Vision, **Greg Corrado, co-founder of Google Brain and Principal Scientist at Google**

Tuesday: Fast, Automated 3D Modeling of Buildings and Other GPS Denied Environments, **Avideh Zahkor, Qualcomm Chair & Professor at UC Berkeley**

Wednesday: Ubiquitous, Consumer AR Systems to Supplant Smartphones, **Ronald T. Azuma, Intel Labs Researcher and Augmented Reality Pioneer**

SYMPOSIUM HIGHLIGHTS

- 18 conferences featuring 30 keynote talks by world reknown experts
- 3D Theatre
- Tours of Stanford University Labs
- Industry Exhibition
- Meet the Future: Showcase of Student and Young Professional Research
- Demonstration Session
- Poster Session
- Welcome Reception
- Women in Electronic Imaging Breakfast
- Human Vision in Electronic Imaging 30th Year Banquet

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

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