MOBILE DEVICES AND MULTIMEDIA: ENABLING TECHNOLOGIES, ALGORITHMS, AND APPLICATIONS 2018

Conference days: 29 and 31 January

Conference Chairs: David Akopian, The University of Texas at San Antonio (US), and Reiner Creutzburg, Technische Hochschule Brandenburg (Germany)

CONFERENCE SESSIONS
- Mobile Forensics
- Mobile Health and Services
- Cameras, Sensors, Supporting Methods
- Interactive (Poster) Papers

RELATED SHORT COURSES
- **EI07 Digital Camera Image Quality Tuning**
  Luke Cui, Amazon (US)
  Sunday 28 January 8:00 am – 12:15 pm

- **EI10 Fundamentals of Deep Learning**
  Allison Gray, NVIDIA, and Raymond Ptucha, RIT (US)
  Sunday 28 January 1:30 – 5:45 pm

- **EI12 Optics and Hardware Calibration of Compact Camera Modules**
  Uwe Artmann, Image Engineering (Germany), and Kevin Matherson, Microsoft Corp. (US)
  Sunday 28 January 1:30 – 5:45 pm

- **EI13 Deep Learning for Image and Video Processing**
  Jonathon Shlens and George Toderici, Google, Inc. (US)
  Monday 29 January 8:30 am – 12:45 pm

- **EI17 Build Your Own VR Display: An Introduction to VR Display Systems for Hobbyists and Educators**
  Hayato Ikoma, Robert Konrad, and Nitish Padmanaban, Stanford Univ., and Keenan Molner, Playground Global (US)
  Wednesday 31 January 8:30 am – 12:45 pm

- **EI19 Color and Calibration in Mobile Imaging Devices**
  Uwe Artmann, Image Engineering (Germany), and Kevin Matherson, Microsoft Corp. (US)
  Sunday January 28, 8:00 – 10:00 am

- **EI21 Resolution in Imaging Devices: Concepts and Measurements**
  Uwe Artmann, Image Engineering (Germany), and Kevin Matherson, Microsoft Corp. (US)
  Sunday 28 January 10:15 am – 12:15 pm

- **EI23 Practical Insights into Implementing a CINEMATIC VR Capture System**
  Nitin Sampat and J. A. Stephen Viggiano, RIT (US)
  Sunday 28 January 1:30 – 3:30 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

- **EI29 Introduction to TensorFlow**
  Magnus Hyttsten, Google, Inc. (US), Monday 29 January 3:15 – 5:15 pm

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 renowned 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](http://www.ElectronicImaging.org)

Information confirmed as of 12/06/17