

Where Industry and Academia Meet

Join us

PHOTOGRAPHY, MOBILE, AND IMMERSIVE IMAGING (PMII) 2018



Conference Sponsor

CONFERENCE KEYNOTES

- **Extreme imaging using cell phones**, Marc Levoy, Google Inc. (US)
- **Real-time capture of people and environments for immersive computing**, Shahram Izadi, PerceptivelO, Inc. (US)
- **Computational zoom: A framework for post-capture image composition**, Orazio Gallo, NVIDIA Research (US)
- **Advances in automotive image sensors**, Boyd Fowler, OmniVision Technologies (US), and Johannes Solhusvik, OmniVision Technologies Europe Design Center (Norway)

CONFERENCE SESSIONS

- Mobile HDR Imaging
- Imaging Systems and Algorithms
- Immersive Imaging (with Engineering Reality of Virtual Reality and Stereoscopic Displays and Applications Confs.)
- Simulation for Autonomous Vehicles and Machines (with Autonomous Vehicles and Machines Conf.)
- Imaging Sensors and Technologies for Automotive Intelligence (with Autonomous Vehicles and Machines and Image Sensors and Imaging Systems Confs.)
- Camera Image Processing (with Image Proc.: Algorithms & Sys. Conf.)
- Imaging System Performance (with Image Quality and System Performance Conf.)
- Interactive (Poster) Papers

SPECIAL EVENTS

Panel: Immersive Imaging

RELATED SHORT COURSES

- **E117 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
- **E123 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
- **E106: 3D Video Processing Techniques for Immersive Environments**
Yo-Sung Ho, Gwangju Institute of Science and Technology (Republic of Korea); Sunday 28 January 8:00 am – 12:15 pm
- **E113 Deep Learning for Image and Video Processing**
Jonathon Shlens and George Toderici, Google, Inc. (US)
Monday 29 January 8:30 am – 12:45 pm
- **E104: 3D Point Cloud Processing**; Gady Agam, Illinois Institute of Technology (US); Sunday 28 January 8:00 am – 12:15 pm
- **E114 3D Reconstruction Imaging**; Gady Agam, Illinois Institute of Technology (US); Tuesday 30 January 8:30 am – 12:45 pm
- **E116 Joint Design of Optics and Image Processing for Imaging Systems**
David Stork, Rambus (US), Tuesday 30 January 8:30 am – 12:45 pm
- **E115 Digital Imaging and Astro Photography**, Daniele Marini, Università degli Studi di Milano (Italy), Monday 29 January 8:30 am – 12:45 pm
- **E120 Introduction to CMOS Image Sensor Technology**; Arnaud Darmont, APHESA SPRL (Belgium); Sunday January 28, 8:00 – 10:00 am
- **E125 Computer Vision for Autonomous Driving**; Rony Ferzli, Intel Corp. (US)
Sunday 28 January 1:30 – 3:30 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 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

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