Join us

HUMAN VISION AND ELECTRONIC IMAGING (HVEI) 2018

Celebrating 30 years of HVEI

CONFERENCE KEYNOTES
- The field of view, the field of resolution, and the field of contrast sensitivity, Andrew Watson, Apple (US)
- Perceptual display: apparent enhancement of scene detail and depth (Invited), Karol Myszkowski, MPI Informatik (Germany)
- Lighting perceptual intelligence, Sylvia Pont, Delft University of Technology (Netherlands)
- Applying insights from visual perception and cognition to the development of more effective virtual reality experiences, Victoria Interrante, Univ. of Minnesota (US)
- Capturing reality, Tim Jenison, NewTek, Inc. (US)

SPECIAL EVENTS
- 30th Anniversary Kickoff, Closing, and Daily Discussions with Wine
- HVEI Banquet and Demo Session
- Panel: Visual Representation in Art, Imaging and Visualization with Tim Jenison (see keynote above) of Tim’s Vermeer fame
- Museum Visit
- Interactive (Poster) Papers

CONFERENCE SESSIONS
- Human Vision Approaches to Image Quality for Images, Video and Stereo Applications
- Human Behavior in Real-World Environments
- Fundamental Issues in Visual Detection
- Perceptual Issues in High Dynamic Range Imaging
- Mobile Devices and Perception
- Perceptual Interactions in Material, Color and Illumination
- Perceptual Approaches to Image Quality
- Perceptual Image Quality for Virtual and Augmented Reality Systems
- Physiological Measurements for Vision and Image Quality Research
- The Neuroscience and Experience of Multisensory Integration
- Art and Perception: Representation, Experience, and Understanding

RELATED SHORT COURSES
- EI05: Perception and Cognition for Imaging
  Bernice Rogowitz, Visual Perspectives (US), Sun 28 Jan 8:00 am – 12:15 pm
  Sheila Hemami, Draper, and Thrasyvoulos Pappas, Northwestern Univ. (US)
  Sunday 28 January 1:30 – 5:45 pm
- EI09: Using Cognitive and Behavioral Sciences and the Arts in Artificial Intelligence Research and Design
  Mónica López-González, La Petite Noiseuse Productions (US)
  Sunday 28 January 1:30 – 5:45 pm
- EI27: High-Dynamic-Range Theory and Technology
  John McCann, McCann Imaging (US), and Alessandro Rizzi, Università degli Studi di Milano (Italy), Sunday 28 January 3:45 – 5:45 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

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

Information confirmed as of 12/06/17