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

VISUAL INFORMATION PROCESSING AND COMMUNICATION (VIPC) IX

Conference days: 29-31 January

CONFERENCE KEYNOTES

- **Technical overview of AV1: An open source video codec from the Alliance for Open Media**, Yaowu Xu, Google Inc. (US)
- **Perceptual optimization in video coding - a systematic approach**, Ioannis Katsavounidis, Netflix (US)

CONFERENCE SESSIONS

- Image and Video Compression
- Deep Learning for Image Analysis
- Computer Vision Applications in Sports
- Image and Video Analytics
- Imaging Systems
- Interactive (Poster) Papers

RELATED SHORT COURSES

- **EI02 Advanced Image Enhancement and Deblurring**
  Majid Rabbani, Consultant (US)
  Sunday 28 January 8:00 am – 12:15 pm

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

- **EI10 Fundamentals of Deep Learning**
  Allison Gray, NVIDIA, and Raymond Ptucha, RIT (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

- **EI14 3D Reconstruction Imaging**
  Gady Agam, Illinois Institute of Technology (US)
  Tuesday 30 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

- **EI18: Introduction to Probabilistic Models for Inference and Estimation**
  Gaurav Sharma, Univ. of Rochester (US)
  Thursday 01 February 8:30 am – 12:45 pm

- **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 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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imaging.org