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

IMAGING AND MULTIMEDIA ANALYTICS IN A WEB AND MOBILE WORLD 2018

Conference days: 31 Jan and 1 Feb

hp

Conference Sponsor

CONFERENCE KEYNOTES

■ **How does building a low cost vision sensor teach us about deep learning?**, Tianli Yu, Morpx Inc (US)

CONFERENCE SESSIONS

■ Deep Learning for Recognition and Detection
■ Deep Learning for Face Recognition
■ Multimedia Analytics in Online Systems
■ Mobile Image Analytics and Augmented Reality
■ Multi-Media Analysis with Transportation Applications

RELATED SHORT COURSES

■ **EI01: Stereoscopic Display Application Issues**
John Merritt, The Merritt Group (US), and Andrew Woods, Curtin Univ. (Australia)
Sunday 28 January 8:00 am – 5:45 pm

■ **EI03: Optimizing Computer Vision and Neural Network Applications using OpenVX**
Radhakrishna Giduthuri, Advanced Micro Devices, and Kari Pulli, Meta (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

■ **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

■ **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
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