

Where Industry and Academia Meet

Join us

STEREOSCOPIC DISPLAYS AND APPLICATIONS (SD&A) XXIX

Conference days: 29-31 January | Conference website: www.stereoscopic.org

CONFERENCE KEYNOTES

- **What use is 'time-expired' disparity and optic flow information to a moving observer?**, Andrew Glennerster, University of Reading (United Kingdom)
- **More than 50 years of working with stereoscopic 3D systems: Anecdotes, insights, and advice illustrated by many examples of stereoscopic imagery, both good and bad**, John Merritt, The Merritt Group (US)

CONFERENCE SESSIONS

- Stereoscopic Developments
- Autostereoscopic Displays 1: Light-field
- Autostereoscopic Displays 2: Super-Multiview
- Autostereoscopic Displays 3: Volumetric, Integral, Stackable, and Holographic
- Stereoscopic Applications: VR to Immersive Analytics in Bioinformatics (with Engineering Reality of Virtual Reality Conf.)
- Stereoscopic History
- Immersive Imaging (with Engineering Reality of Virtual Reality and Photography, Mobile, and Immersive Imaging Confs.)
- Visualization Facilities (with Engineering Reality of Virtual Reality Conf.)
- Interactive (Poster) Papers Session

SPECIAL EVENTS

- SD&A Conference 3D Theater
- Discussion: 360° Imaging Should Be 3D – But Why And How? (with Engineering Reality of Virtual Reality Conf.)
- Conference Dinner

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
- **EI04 3D Point Cloud Processing**
Gady Agam, Illinois Institute of Technology (US)
Sunday 28 January 8:00 am – 12:15 pm
- **EI06 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
- **EI14 3D Reconstruction Imaging**
Gady Agam, Illinois Institute of Technology (US)
Tuesday 30 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
- **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



Conference Sponsors

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

