



MEETING NOTICE & INVITATION
Pacific Northwest Chapter • Society for Information Display

***Effects of Stereoscopic 3D Viewing on
Ocular Health and Learning Benefits***

Dr. Shun-nan Yang

Director of Research

at Vision Performance Institute at Pacific University College of Optometry

Wednesday, September 18 - 6:00 P.M.

PLANAR Systems (headquarters)

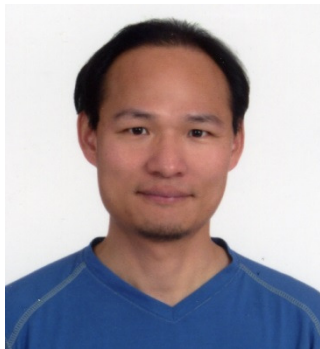
1195 NW Compton Dr.

Beaverton, OR 97006 (503) 748-1100

Abstract

The overriding concern about stereoscopic 3D viewing is its impact on viewer's ocular health relative to its benefits to viewing experiences. Less known is its usage on the diagnosis of binocular disorders. In this lecture Dr. Yang will review recent findings about the causal relationship between aspects of S3D content and significant viewing symptoms, and the underlying causative mechanisms. He will also review observed perceptual/cognitive benefits and clinical usage in S3D viewing. Recent advances in S3D technology and their potential impact on ocular health will also be discussed.

Speaker Biography



Dr. Shun-nan Yang received his Doctorate of Philosophy in cognitive neurophysiology and human-computer interaction from the University of Illinois at Urbana-Champaign in 2002. Between 2002 and 2004, He was a research scientist at the Brain Science Institute of RIKEN, Japan's largest and most comprehensive research organization for basic and applied science. His work at RIKEN mainly focused on the behavioral and computational modeling of visual perception and ocular control. Between 2004 and 2007, he was a research fellow at the Smith-Kettlewell Eye Research Institute. At Smith-Kettlewell, Dr. Yang investigated ocular decision making based on single-unit recording of primate cortical activities. Since 2007, Dr. Yang has been an assistant professor and currently is the Director of Research at Vision Performance Institute at Pacific University College of Optometry. His research focuses mainly on the vergence response to near work and stereoscopic 3D viewing.

Seminar

The Seminar is free. Please join the speaker for a no-host dinner after the seminar. Directions to the restaurant will be provided at the seminar. Non-Members are welcome. RSVP to Gary Johnson at Gary.Johnson@tek.com or (503) 627-1985. Please indicate if you plan to participate in the dinner.

The Pacific Northwest Chapter of the Society for Information Display was established for the following purposes:

- To support the activities and purposes of SID.
- To encourage and contribute to the scientific and educational advancement in the field of information display and to promote its use.
- To provide forums for the exchange and dissemination of ideas and knowledge relating to the field of information display.

The Executive Committee of the Pacific Northwest Chapter consists of:

- Director: Adi Abileah - Planar Systems
- Chair: Koji Yugawa – Korry Electronics
- Co-Chair: Chris King – Consultant
- Secretary: Gary Johnson - Tektronix
- Treasurer: Steve Sechrist – Insight Media Consultant

Standing Committee Chairs are:

- Membership: Chris Curtin – Consultant
- Nominations & Awards: Peggy Lopez – Orb Obtronics
- Program: Pat Green - Planar Systems