



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

Signal Processing for 3D displays

Dr. Nikhil Balram

President, Ricoh Innovations, Inc.

Wednesday, June 8th - 6:00 P.M.

Esterline Control Systems, Home of Korry Products
11910 Beverly Park Road
Everett, WA 98204

Abstract

This seminar will focus on the signal processing challenges for 3D displays. It will start by highlighting major human vision issues related to stereoscopic 3D that need to be considered and understood in designing a 3D display system and then discuss the current structure of, and new challenges in, the signal processing pipeline in a state-of-the-art 3D TV. The issues and challenges will be explained with real examples and a demo (which will require anaglyph glasses).

Speaker Biography

Dr. Nikhil Balram is President of Ricoh Innovations, Inc., a Silicon Valley company that develops innovative technologies and new business opportunities for Ricoh Company Ltd. He has served as an executive at several public companies in the digital video, display and consumer electronics industries including Faroudja (VP of Advanced Technology), Sage (VP and GM of Consumer Products), SONICblue (VP Connected Home), National Semiconductor (CTO Displays Group) and Marvell Semiconductor (VP and GM Digital Entertainment Business Unit). Video technologies and semiconductor products developed by teams led by him over the last decade have won numerous awards including one Emmy, four Secrets of Home Theater awards, three EDN Innovation of the Year awards, and one TV Innovation of the Year award, and have been used by major consumer electronics companies worldwide. Most recently, he has been involved in a variety of consulting and advisory activities including serving as advisor to the CEO of UTV, India's first global media and entertainment company, advisor to IMAX, a leading entertainment technology company, visiting professor of vision science at the University of California, Berkeley, guest professor at the Indian Institute of Technology Gandhinagar, and member of board of directors of Foundation For Excellence, one of the leading private providers of scholarships for underprivileged children in India. Dr. Balram has over 35 issued or pending patents, over 30 technical papers, including two invited book chapters, and has given over 25 invited talks and keynote speeches at various conferences worldwide. He has a BS, MS. and Ph.D in electrical engineering, all from Carnegie Mellon University.

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

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

ESTERLINE CONTROL SYSTEMS



Directions from SeaTac Airport or Seattle

- Get on I-5 North.
- When you reach the interchange with I-405 and WA-525, exit and merge onto WA-525 North.
- Stay on WA-525 North as it turns into the Mukilteo Speedway.
- Turn right onto Beverly Park Road.
- Esterline Control Systems is on the left.

Directions from Bellevue

- Get on I-405 North.
- When you reach the interchange with I-5, do not exit. You will cross over I-5 on an overpass, and I-405 North turns into WA-525 North.
- Stay on WA-525 North as it turns into the Mukilteo Speedway.
- Turn right onto Beverly Park Road.
- Esterline Control Systems is on the left.

**For assistance, please
call us at 425-297-9700.**

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