



Society of Motion Picture and Television Engineers

Sacramento Section Meeting Notice

PLEASE POST

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Date: Wednesday, February 24, 2016
Time: 7:00 pm
Location: Ensemble Designs, 870 Gold Flat Rd. Nevada City, CA 95959
Contact: Mona Smothers 530-305-0272

Speaker: John Hudson, Director of Strategic Technology & Int'l. Standardization Semtech Corp

“UHD-SDI: Enabling the Transport of UHD TV over Existing In-Plant Infrastructure. Industry, Standards, Technology and Compliance Update”

John will be presenting a two-part meeting centered on uncompressed UHD (4k and 8k), real time transmission over existing in plant infrastructures.

The first segment, starting at 7:00 pm, will focus on: Industry Update, Trends and Standards.

The second portion of the meeting, starting at ~7:45 pm, will focus on Compliance Testing as well as what types of test equipment are needed and how to measure such things as return loss, jitter and the electrical eye at 12G-SDI.

A live demonstration of the UHD-SDI technologies and standards discussed will be provided illustrating fully interoperable uncompressed UHD TV transmission over existing in plant infrastructures. This demo also shows how an existing HDTV facility (3G-SDI) can seamlessly transition to UHD TV (12G SDI) using fully standardized, interoperable Commercial and Off The Shelf (COTS) technology that is available today.

About the speaker: John Hudson is Director of Strategic Technology and International Standardization for Semtech Corporation. His responsibilities include technology strategy, product definition and international standardization for both the broadcast and datacom/telecom markets served by Semtech. Hudson has spent 30 years in the broadcast industry beginning his career as a design engineer at Sony Broadcast and Professional Europe. He joined Gennum in 1999 and has been instrumental in developing the company's video and multi-media semiconductor business. As an active member of SMPTE, Hudson serves as Chair of the 32NF40 Working Group on SDI Interfaces. He is a SMPTE Fellow and past winner of the Excellence in Standards and SMPTE Journal awards. He is the author of several SMPTE Standards, and actively contributes to the development of real-time streaming media interfaces for video and D-Cinema production. He attained a HND in Electronics and communications engineering from the Farnborough College of Technology in 1988, is the author of 10 patents on video processing and signal integrity solutions for multi-media applications and regularly contributes technical papers and presentations to seminars and technology events.

Light refreshments will be provided.

Non-members and guests are always welcome to attend. For questions about this meeting, please contact any Section officer.