



# SECTION MEETINGS

## Hollywood September 2015

The Hollywood Section held its final meeting for the 2015 season at the Academy of Motion Picture Arts and Sciences Linwood Dunn Theater on the evening of September 30.

Prior to the presentations and following a reception with sandwiches, Section Chair Marty Meyer greeted attendees. The meeting topic focused on how to research and approach potential employers for jobs in the entertainment industry, which is a very tough subject. The Section was fortunate to have speakers who are very experienced in this field, and made very interesting presentations. Participants included Bruce Waxman, executive recruiter, The Waxman Group; Stacy Lewis, Sr. manager, talent acquisition & research, Fox; Cindy Chow Snavelly, former hiring manager, Deluxe Laboratories; and Kim Mackey, Dreamworks Animation.



Speakers at the Hollywood meeting in September: (L-R) Bernie Lautrette, DreamWorks; Kim Mackey, DreamWorks; Anthony Magliocco, Hollywood Section Secretary/Treasurer; Stacy Lewis, Fox; Marty Meyer, Section Chair; Bruce Waxman, The Waxman Group; Cindy Chow-Snavely, HCC Surety.

# HPA Tech Retreat<sup>®</sup> 2016

15 - 19 February / Hyatt Regency / Indian Wells

Session Proposals Being Accepted Now Through 30 October  
Conference Registration Opens 26 October  
Demo Room Space Requests Accepted 26 October through 7 December  
and after on a space available basis

**SAVE THE DATES!**

Check [www.hpaonline.com](http://www.hpaonline.com) for general information

Hollywood Secretary/Treasurer Anthony Magliocco moderated the program, which had a larger than expected attendance of approximately 150 people, including a large group from Marymount California University. The Section was pleased to receive the following letter from Pat Kelley, Professor of Arts and Media, showing how several of her group have already taken advantage of information gathered.

*Hello Anthony and Marty,*

*Thank you both for enabling SMPTE student chapters to attend the September monthly meeting. I've been hearing very positive feedback from Marymount California University (MCU) students and our media faculty that attended the "JOBS" presentation. Everyone came away with new information and insights. The excel spreadsheets were a great tool for staying organized. Students were very impressed by the venue, refreshments, and the cordial/friendly SMPTE members and presenters before the event began. I loved the comments, "they started talking to us and they knew we were just students."*

*The event has inspired students to apply and seek internships. I've been pushing internships for years at MCU. The September SMPTE presentation has already given students confidence to seek internships, develop/update their resumes, and be prepared for the internship interview. Two female students applied and started working at new internships. Six students volunteered and shot stills and video at the Palos Verdes Art Center opening Thursday night. They now understand the importance of building skills and experience for their resumes.*

*Thank you & SMPTE for your support,  
Pat Kelley  
Professor Arts & Media  
Marymount California University*

—Richard P. May, Section Manager

## Philadelphia October 2015

The Philadelphia Section meeting was held on 14 October at the Hampton Inn & Suites in Bensalem, PA.



Philadelphia October meeting presenter, Karl Kuhn.

Karl Kuhn, senior video systems application engineer at Tektronix, provided a presentation on "Precision Time Protocol (PTP)." The industry is moving towards an all-IP infrastructure for baseband video and audio. Historically, coaxial cables carried analog and digital signals throughout a facility using point-to-point connections and

matrix switching. But the cost-savings from using IP interfaces and switching are driving manufacturers and their customers toward new, data-centric architectures. In the near-term, both IP and legacy SDI islands will need to co-exist in hybrid facilities. To address the interoperability challenges of packet-switched baseband and compressed networks, the adaptation of PTP (ST 2059-2:2015) ensures that devices in the network will be synchronized with each other and with a master reference clock. Dynamic selection of the Grand Master time source across the network is an interesting and complex process to be discussed.

Kuhn also gave a presentation on adaptive bitrate (ABR) streaming. The future of content distribution, ABR monitoring is now needed to deliver high quality of experience (QoE) on distribution systems with dynamically changing available bandwidth. This is common on small-screen



**Disruptive Digital Video  
Products for Innovators™**

**FACT.**

**IT'S CHEAPER TO CORRECT  
TRANSMISSION ERRORS THAN  
CREATE ERROR FREE LINKS.**



**DVEO** **"DOZER"**  
**IS THE SOLUTION.**

**858-613-1818** **www.dveo.com**



## The future needs Vision

Capture superb quality video and computer imagery in real-time with superfast frame rates using the Vision video capture cards from Datapath.

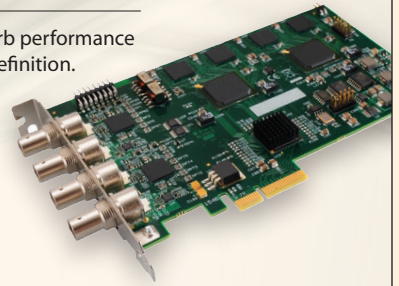
### VisionSC-SDI4

Developed to capture Ultra High Definition SDI signals across multiple channels, the Vision SC-SDI4 offers flexibility for those who require SDI capability, particularly AV professionals involved in broadcasting.



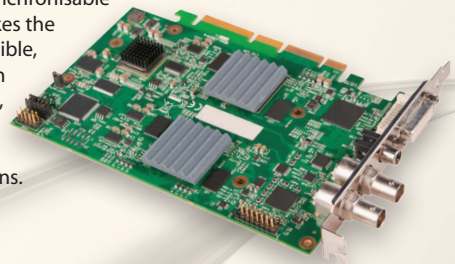
### VisionSDI2

The VisionSDI2 delivers superb performance and high reliability in High Definition. As with the VisionSC-SDI4, the VisionSDI2 is particularly useful for AV professionals in broadcasting and is also a great choice for advanced medical applications.



### VisionAV-SDI

Embedded and synchronisable audio capture makes the VisionAV-SDI a flexible, integrated solution for lecture capture, web casting, video conferencing and medical applications.



We are continually adding to our product range; visit our website for an inspiring visual experience showcasing our full product range [www.datapath.co.uk](http://www.datapath.co.uk).



T: +44 (0)1332 294 441 [sales@datapath.co.uk](mailto:sales@datapath.co.uk)

delivery but will be moving to the large screen. It dramatically improves bandwidth utilization by only sending what the user is watching now and at the bitrate most suited for the instantaneously available bandwidth—usually in the home—is the most variable bandwidth part of the entire network.

Adaptive bitrate streaming is a technique used in streaming content over computer networks. While in the past most video streaming technologies utilized streaming protocols such as realtime transport protocols (RTP) with realtime streaming protocol (RTSP), today's adaptive streaming technologies are almost exclusively based on HTTP and designed to work efficiently over large distributed HTTP networks such as the Internet. The content is really a moving video webpage with sound.

This presentation provided an in-depth look into the Encoder Boundary Point (EBP) and Instantaneous Decoder Refresh (IDR) relationship. This is to make the stream fragmentation process more CPU-efficient. An EBP is an indicator at the transport layer that an IDR is down inside the MPEG, so an EBP takes less CPU cycles to locate. An EBP is an indication that an IDR will follow "almost" immediately." The packager will fragment the input linear stream at these IDR frames for multi-bitrate transcoding.—Steven Tadzynski, Section Manager



## Join the SMPT Board of Editors

The SMPT Journal is seeking members interested in actively participating in its online peer review process. Members of the Board of Editors have the opportunity to review and evaluate papers submitted for publication in their areas of expertise and interest. Board membership also provides the opportunity to suggest and discuss important issues in motion imaging to determine relevant topics for publication in the Journal. Working with the Editorial Vice President, Managing Editor, and your colleagues on the BoE in shaping and maintaining a high level of editorial quality in the Journal, you will provide a valuable service to all SMPT members and the Motion Imaging industry in general. If you would like to join this volunteer effort please contact Glen Pensinger, BoE Chair, for further information at [glenpensinger@ieee.org](mailto:glenpensinger@ieee.org).