

# SECTION MEETINGS



## Ohio June 2015

The Ohio Section meeting on 18 June took place at the WBNS Digital Television Plant in Columbus, with 45 members and guests in attendance. The guest presenter for the evening was Kenneth Hunold, staff engineer, audio production, from Dolby Laboratories East coast offices in New York City. Hunold started his presentation by reviewing the many Dolby Labs technologies and innovations developed over the past 50 years, which helped reshape the audio engineering landscape in various forms in key media industries such as, music recording, motion picture studio sound, cinema sound presentation formats, radio and television audio broadcasts, to name a few. He also showed the group various video/audio clips of key engineers/inventors within the Dolby organization who were explaining some of their products and designs over the years such as an interview with their founder, the late Ray Dolby, and other creative staff engineers within their organization. Hunold presented several video/audio clips detailing their new multichannel surround audio format called, Dolby ATMOS, and in the field of video, a new wider pipeline, color gamut, and luminous channel technology format called, Dolby Vision. These two technologies are starting to appear in new dedicated cinema houses around the world, and will possibly be included in the next-generation broadcast standard in the U.S., referred to as ATSC 3.0. Hunold also discussed some of the new mobile devices, now and in the



WBNS Digital Television Plant, Columbus, OH.

future, which will employ Dolby ATMOS technologies in a more personable form. The meeting host, WBNS-DT is also significant for Dolby Labs because of the fact that Dolby Digital 5.1 audio broadcasting was pioneered by the station as part of their his-

toric 5 September 1998, remote HD telecast of an Ohio State University Buckeyes football, away game.

A lively Q & A session followed Hunold's well received presentation.—Gene L. Batey, Secretary/Treasurer



Presenter Ken Hunold, Dolby Labs



Disruptive Digital Video  
Products for Innovators™

IBC Stand 2.A34

**FACT.**

**EVEN CONDITIONED LINES  
HAVE PACKET LOSS!**

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

858-613-1818

[www.dveo.com](http://www.dveo.com)



## Washington, D.C. June 2015

The Washington, D.C., Section meeting on 18 June featured an information session on the “Challenges of Sending Large Files Over the Public Internet,” presented by Jonathan Solomon, senior sales and system engineer at Aspera, an IBM company. The meeting was held at the National Association of Broadcasters headquarters in downtown Washington, D.C., and began with refreshments, along with networking and socializing.

After a short business meeting, Solomon was introduced and began his presentation, mentioning that it was a follow-on to sessions at the 19-20 May 2015 “Bits By The Bay” regional technical conference organized by the Washington, D.C., Section. Solomon explained that during that event, several attendees had raised questions about file transfer and he had volunteered to clear up some of the “mystery” surrounding the process.

Solomon remarked that it was more than 30 years ago (1982) that Transmission Con-



Presenter Jonathan Solomon.

trol Protocol/Internet Protocol (TCP/IP) came into being and its acceptance allowed growth into new technologies. He noted that while it was great for its time when 1,200 baud was fast and a “large” file was anything greater than 10 kilobytes, a lot of progress has been made in moving files in the intervening years. However, he added that many content producers and users are still using basically the same technology, even though a 30 gigabyte file may now be considered “small.”

Solomon explained the concept of TCP, stating that latency and packet loss were closely associated with the technology. He then described modern technologies that are used to speed up network data flow rates, fielding questions that arose during his presentation.

Solomon also addressed network security issues, explaining that in today’s world it’s not a matter of “if” your network will be compromised, but rather “when.” He reviewed password protection, firewalls, scanning of email attachments, implementation of dual networks within a facility (an Internet-accessible and a closed production network), and the installation of an intruder detection system. He also emphasized the necessity for training network users on a continuing basis about security issues.

Solomon concluded his presentation by describing the move from serial digital interface video technology to IP, in connection with television production and transmission facilities.—James E. O’Neal, Section Manager

# Design your next products with DekTec



DTA-2174

Quad 3G-SDI port with 4K UHD support

- All ports programmable as input or output, ASI or SDI
- Easy access to all 10-bits samples
- Optimized for your 4Kp50/p60 application



DTA-2162

2x high-capacity GigE port

- High performance network card with hardware engine
- Redundancy for streaming/receiving digital video.
- PC-based rock-solid network performance.



(303) 318-4298  
infousa@dektec.com

Also available:  
Satellite, QAM, DVB-T2 receiver and modulator, and ASI I/O