

Wednesday, 17 October 2012

08:00AM - 09:00AM: Continental breakfast

09:00AM - 12:30PM: Tutorial – IP in Broadcasting

Session co-chairs:

Rich Chernock, Triveni Digital; Bob Surette, Shively Labs, USA

Papers include:

IP's Acronym Soup & Network Architecture: Things You Need to Know

Pat Waddell, Joel Wilhite, Harmonic, USA

Overview of SMPTE 2022 Family of Standards

John Mailhot, Harris, USA

Audio Distribution in an IP-based Multiplatform Broadcast Plant

Guy Bouchard, CBC, Canada

IP Control in the Broadcast Facility

Troy English, Ross Video, Canada

Media Streaming to Small Screen Devices

Pat Waddell, Joel Wilhite, Harmonic, USA

12:30PM - 12:45PM: Video Presentation "Cell Tower Deaths"

Frontline and ProPublica (aired 5/22/12)

1:00PM - 01:45PM: Tutorial - Broadcast Towers and Protecting Your Station in an Era of Broadband Expansion

Moderator: Bill Hayes, Iowa Public TV, Presenters: Tom Silliman and Kathy Stiler, ERI

02:00PM - 05:30PM: Tutorial – Computer Simulation Tools for Broadcast Engineering

Session chair: Eric Wandel, Wavepoint Research Inc., USA

Papers include:

Overview of Computer Simulation Tools Used in Broadcasting

Eric Wandel – Wavepoint Research Inc., USA

Allocation Analysis

Bill Meintel –Meintel, Sgrignoli & Wallace, USA

Propagation Analysis

Sid Shumate – Givens & Bell, Inc., USA

Antenna and RF Component Modeling / Optimization

Eric Wandel – Wavepoint Research Inc., USA

Medium Frequency Simulation Methods

Ben Dawson – Hatfield & Dawson Consulting Engineers, USA

Intermodulation and Other Interference Studies

Greg Best – Greg Best Consulting Inc., USA

RF Exposure Simulation and Compliance

Martin Doczkat – FCC OET, USA

Thursday, 18 October 2012

08:45AM: - Welcome and Opening Remarks

Symposium Co-Chairs: David Layer, NAB, USA, Paul Shulins, Greater Media, USA

08:45AM-12:00PM: RF Issues and Technology

Session chair: Greg Best, Greg Best Consulting Inc., USA

Papers include:

Facilitating Live TV in Different Scenarios Using Cellular Bonding Technology

Ariel Galinsky, LiveU, USA

Efficient Codec Design, Internet Anomaly Correction and Embedded Cellular Technology Make Single Modem ENG Practical

Joe Giardina, DSI/RF Systems, USA and Co-Presenter William J Stack, DSI/RF Systems, USA
An Update to the All-pass Diplexer: Imperfect Conditions and How to Account For Them
Nick Paulin, ERI, USA

FM Transmitter Considerations for Improved FM Analog/Digital Combining Systems

Kerry Cozad, Continental Electronics, USA

Interference from Passive Intermodulation (PIM) - Keeping the Red Flag Flying

S. Merrill Weiss, Merrill Weiss Group, USA

Incentive Auction Update

Bob Weller, FCC, USA

12:00PM - 02:00PM: Joint BTS/AFCCE Luncheon



Keynote Speaker: Kevin Gage
EVP and CTO
National Association of Broadcasters

02:00PM-05:00PM: Mobile DTV

Session chair: Lynn Claudy, NAB, USA

Field Evaluation of Mobile Receiver for Legacy ATSC

Tomoaki Iwai, Pioneer, Japan

Mobile Emergency Alert Systems: A New Means to Alerting the Public

Wayne Luplow, Zenith, USA and James Kutzner, PBS, USA

Conditional Access in Mobile DTV

Jay Adrick, Harris Broadcast Communications, USA

The Consumer Launch of Dyle Mobile DTV

Rajan Mehta, NBC Universal

New Audio Considerations for Mobile DTV

Tim Carroll, Linear Acoustic, USA

Friday, 19 October 2012

08:30AM-12:00PM: Audio For Radio and TV

Session chair: James O'Neal, NewBay, USA

Papers include:

FM Stereo Transmission Using Single Sideband Suppressed Carrier (SSBSC) Modulation

Frank Foti, Telos/Omnia, USA

Introducing IEEE 802.1 AVB for Professional Audio and Video over IP Networks

Al Salci, Sierra, USA

Network Considerations When Implementing an Audio over IP Console/Routing System

Phil Owens, Wheatstone, USA

Using the ITU BS.1770-2 and CBS Loudness Meters to Measure Loudness Controller Performance

Bob Orban, Orban, USA

Audio Compression Codecs: Are We Squeezing the Life Out of Radio?

Mary Ann Seidler, Elenos, USA, co-presenter - Herb Squire

Audio Panel

Moderated by Paul Shulins – Greater Media, USA

Panelists: Bob Orban, Frank Foti, Tim Carroll, Al Salci, Phil Owens, Mary Ann Seidler



Keynote speaker: Sam Matheny,VP
Policy & Innovation
Capitol Broadcasting

02:00PM-05:00PM: Future of Broadcasting

Session chair: S. Merrill Weiss, MWG, USA

Papers include:

Progress Technologies for the Next Generation of Digital Terrestrial Television Broadcasting

Shingo Asakura, NHK, Japan

FoBTV Overview

Mark Richer, ATSC, USA

FoBTV Scenario/Use Cases

Skip Pizzi, NAB, USA

Progress in "ATSC 3.0" the Next Generation Broadcast Television

Jim Kutzner, PBS, USA