



2012 SUMMER CONFERENCE ENGINEERING SESSION AGENDA WEDNESDAY, JUNE 20TH

8:00 AM - 6:30 PM Registration

8:40 AM - 4:30 PM Engineering Sessions

8:40 AM: Opening Remarks, Michelle Vetterkind, WBA President & CEO

8:45 AM Session:



**Dave Mendez
Shure**

Spectrum Changes: Future Coexistence in the White Spaces

As changes to the UHF TV spectrum reach further clarification, make certain that you have the most up-to-date information regarding the FCC Reallocation of wireless spectrum, the technologies involved, and how it may affect your wireless products in the future. Topics include a review of the 700MHz reallocation, "whitespaces" topic, geo-location database and licensing, and new technology that may help avoid or reduce potential interference in the future.

9:30 AM Session:



**Leonard Charles
Television Wisconsin**

Protecting Yourself in the White Space

Leonard will cover the purpose and development of the White Spaces Database and present a step by step tutorial on how you can get your station's wireless devices registered into the database.

10:15 AM: Break

10:30 AM Session:



**Chris Tarr
Entercom**

There's an App For That!

Chris will discuss the many apps available for iPhones, iPads, and Androids that help in the everyday life of the Engineer. The session will discuss technical apps as well as other "practical" apps that will help you get through the day.

11:15 AM Session:



**Greg Dahl
Second Opinion
Communications, Inc.**

Bandwidth Management

Learning more about the process of measuring and controlling the communications on a network to avoiding congestion which affects the network performance.

12:00 PM: Lunch Location: Minnesota Room

Lunch Sponsored By:



1:15 PM Session:



Gary Timm
WI SECC Chair

EAS/CAP... 10 Days to the Deadline

Aside from needing EAS/CAP equipment, what else is changing on June 30, 2012 that broadcasters need to know about? Gary will bring us up to date on all things EAS, CAP, IPAWS, NN, EAT and more.

2:00 PM Session:



Richard Wood
Resonant Results

Single Points of Failure

Many stations have only one antenna system, as you know, but each rf plant has many single points of failure. Adding more gear is not always the best answer. In some cases adding more insurance for business interruption provides the financial security the station owner needs. Looking at several low power solutions and aux antenna systems will be covered in this talk.

2:45 PM: Break

3:00 PM Session:



Jeff Welton
Nautel

Ramifications of Fewer Broadcast Engineers

As fewer engineers do more work with less backup and resources, issues of legalities and hazards are on the rise. This session will look at the cause and effect of this real world situation.

3:45 PM Session:



Scott Michaels
Heartland Video
Systems, Inc.

CALM Act (Calm Down It's OK)

"CALM down, it's OK" will take you through a review of the government actions leading to the Commercial Advertisement Loudness Mitigation (CALM), Act. We will look at audio processing, monitoring and logging. This will include audio processing for both live audio and file based audio. Finally, we will review some real world data we have gathered.

4:30 PM: End of Sessions

5:00 PM: Exhibits and Reception

THANK YOU SUMMER CONFERENCE ENGINEERING PROGRAM COMMITTEE!

Leonard Charles, Chair, Television Wisconsin, Inc.

Kent Aschenbrenner
Milwaukee Public Television

Steve Brown
Woodward Communications, Inc.

Mark Burg
Grant Media LLC

Gordon Carter
Professional Audio Services

Greg Dahl
Second Opinion Communications, Inc.

Clif Groth
New Radio Group

Bill Hubbard
UW-Green Bay

Vern Killion

Keith Kintner
UW-Oshkosh

Gary Mach

Jason Mielke
WCLO/WJVL

Matt Sperling
WKBT-TV

Kevin Ruppert
WISC-TV

Tom Smith

Linda Baun
WBA Vice President

5:00 PM - 7:30 PM: Exhibit Reception

SONY *Exhibit Reception Sponsored By:*
Sony

7:30 PM - 10:00 PM: Dinner and Entertainment

**MARK YOUR CALENDARS FOR 2012 BROADCASTERS CLINIC & UPPER MIDWEST SBE MEETING
OCTOBER 9-11, 2012, MARRIOTT MADISON WEST HOTEL**