NAB Radio TechCheck

The Weekly NAB Newsletter for Radio Broadcast Engineers

September 15, 2008

Copper Theft at Broadcast Sites Topic at NAB Radio Show Session

Copper theft is becoming a major concern for many broadcasters around the world. Not only are facilities being vandalized, but many times the outcome results in lost airtime. A session at the upcoming NAB Radio Show (September 17-19, 2008, Austin, Texas, www.nabradioshow.com) called "Copper Theft at Broadcast Sites" addresses the scope of the copper theft issue and focuses on ways broadcasters can work with law enforcement to protect their assets.

The copper theft issue will be addressed from a number of perspectives in this session. One of the main points to be made is that this is not just a law enforcement/security problem, it's a business problem and needs to be recognized as such by station management. These thefts potentially impact air time, the station's electrical utility provider, and can result in significant costs for both repair and prevention of future thefts.

Also to be covered in the session is a review of the numerous initiatives taking place nationwide to address this problem. It turns out that 26 states have copper theft laws and there are ongoing efforts to introduce legislation in Congress to help combat this problem. Another current issue involves theft reporting options and the debate between the scrap dealers who often are brought stolen copper, and consumers who stand to be inconvenienced by the more restrictive laws and rules being proposed as deterrents to copper theft.

Security initiatives for helping to prevent thefts will also be covered.

The session will be held Friday, September 19, 2008 from 11a.m.–noon in room 17A (on level 4) of the Austin Convention Center. Sterling Davis, Vice President of Engineering with Cox Broadcasting, will serve as moderator; panelists include: Bob Brand, Vice President, Corporate Security, Cox Enterprises; Chuck Carr, Vice

President - Member Services, Institute of Scrap Recycling Industries, Inc.; and, Steve Davis, Senior Vice President, Engineering, Clear Channel Radio. Additional information about The NAB Radio Show engineering sessions is available online at http://www.nabradioshow.com/2008/conferences/EngineeringProgram.asp.

NAB365 TV Thought Leadership Series Videos

One of the features of NAB365 is an exclusive series of video interviews designed to provide you with expert viewpoints on technology's impact on digital media and the world of broadcast content for video, radio, broadband, and more.

With technological advancements arriving at a steady pace, it can be a challenge understanding the creative and financial impact of each technology on the world of content creation, content management, content distribution & delivery, content commerce, and content consumption.

In the latest of the NAB365 Thought Leadership series, NAB's top technical expert, Lynn Claudy, discusses digital media and the competitive media landscape, and NAB's Jonathan Collegio provides an update on the DTV transition.

Enjoy and please feel free to provide us feedback on this series through our NAB Show YouTube channel.

63rd NAB BROADCAST ENGINEERING CONFERENCE CALL FOR PAPERS

NAB Show will host the 63rd NAB Broadcast Engineering Conference on April 18 – 23 at the Las Vegas Convention Center in Las Vegas, Nevada.

The NAB Broadcast Engineering Conference is a highly technical conference where presenters deliver technical papers ranging over a variety of topics relevant to the broadcast and allied industries. We invite you to submit a proposal to present a technical paper at our conference. The deadline for submitting your proposal is **October 17, 2008**.

To submit a technical paper proposal, click here and complete the electronic form. If you have questions regarding the NAB Broadcast Engineering Conference, please contact John Marino.

NAB AM Antenna Computer Modeling Seminar November 20-21, 2008 NAB Headquarters Washington, D.C. Computer Modeling Seminar

Don't miss this opportunity for broadcast engineers to learn the basics needed to utilize modeling software such as MININEC and nodal analysis for designing performance-optimized AM directional antenna phasing and coupling systems and proving the performance of directional antenna patterns.

You will learn about:

- Moment Method Modeling Basics
- DA Proofing Using Moment Method Modeling
- Overcoming Limitations of Using Field Strength Measurements for DA Proofs
- State of the Art in Phasing System Design Nodal Analysis of AM DA Phasing and Coupling Systems
- Pattern Design Considerations for Optimum Performance

AM antenna experts Ron Rackley and Ben Dawson, along with antenna modeling software specialist Jerry Westberg, will lead the seminar demonstrating how moment method modeling makes analysis of actual tower current distributions possible and how a model can be used to proof an array provided the proper criteria are

considered. All instructors are well known in the radio industry as experts in the field of directional antenna design and maintenance. Their decades of experience offer station engineers an opportunity to learn techniques, tips and tricks that can be immediately useful.

Seminar fee: $395.00 (NAB members) and $495.00 (non-members). For more information on the curriculum, how to register or housing go to AM DA Seminar on the NAB Web site or call Sharon Devine at (202)-429-5338. Register now for the NAB AM Antenna Computer Modeling Seminar!