July 18, 2011

Radio TechCheck

The Weekly NAB Newsletter for Radio Broadcast Engineers

Proposals Now Being Accepted for 2012 NAB Broadcast Engineering Conference

NABSHOW™ Where Content Comes to Life™

Las Vegas Convention Center, Las Vegas, Nevada USA
Conferences April 14 – 19, 2012 // Exhibits April 16 – 19, 2012

The 2012 NAB Show will host the 66th NAB Broadcast Engineering Conference. This world-class conference addresses the most recent developments in broadcast technology and focuses on the opportunities and challenges that face broadcast engineering professionals around the world. Each year hundreds of broadcast professionals attend the conference. They include practicing broadcast engineers and technicians, engineering consultants, contract engineers, broadcast equipment manufacturers, distributors, R&D engineers plus anyone specifically interested in the latest broadcast technologies. Click here to view summaries of the presentations at the NAB Broadcast Engineering Conference held in 2011

Your proposal should explain precisely what conference attendees can be expected to learn from your paper. Proposals promoting company products or services will not be accepted. However, proposals explaining the underlying technologies used in broadcast products or services will be acceptable. NAB strongly encourages that those accepted to make presentations also submit a written technical paper. If your proposal is accepted, you will have until January 20, 2012 to submit your completed paper to us. After a successful review, your paper will be published in the *NAB Broadcast Engineering Conference Proceedings* and you will receive a complimentary copy of the Proceedings CD. The yearly P*roceedings* is a compendium of these technical papers, and an important archive of the leading edge of broadcast engineering issues.

We will consider topics related to broadcast engineering, such as:

The Future of Broadcasting: Radio and Television

- International perspectives
- Future display technologies
- Smart television technologies
- Internet-enabled radio and television
- The evolution of broadcast engineering
- 3D TV
- Smart radio technologies
- Receive antenna developments for radio and television
- The impact of innovative technologies
- The impact of consumer devices on the broadcast industry

Radio Engineering

- Digital Radio Developments Around the World
- HD Radio™ Implementation
- Audio and RF Test and Measurement Techniques
- Automation Systems
- Security and Emergency Preparedness
- Optimizing RF Coverage
- Remote Control Systems
- Centralcasting
- New Receiver Technologies
- Data Broadcasting Technologies and Applications

- New Transmitter Technologies

Mission-Critical IT for Broadcast

- Networking in the modern broadcast facility
- Keeping the facility running 24/7
- What broadcast engineers need to know about IT
- Test and measurement techniques

Improving HD Radio™

- Automotive developments
- Optimizing coverage
- Multicasting
- Digital power levels
- Hardware reliability issues

Green Technology

- Building facilities and LEED
- Green power options
- Impact on personnel
- Upgrading existing facilities
- Projected savings and payback
- Transmission systems efficiencies

Radio Engineering Forum

- Technical resource-sharing for radio
- Leasing HD channels
- Communicating with management
- Success stories - case studies
- Market alliances
- Updating the infrastructure
- Developing and justifying a capital request

Emergency Operations - Planning and Implementation

- The emergency plan
- Hardening the facility
- Alternate STL considerations
- Designing for recovery
- Disaster recovery case studies
- Pull the plug test to ensure reliability

Implementing Regulatory Issues for Engineers

- Emergency Alert System
- Spectrum matters
- Accessibility regulations for television
- Audible crawls
- Broadcast Auxiliary Service
- Wireless microphone operation
- Descriptive video service
- Accessible web content

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. Presentations are limited to thirty minutes in length, including five or ten minutes for questions from the audience. The conference rooms are equipped with audio visual equipment that will accommodate standard computer presentations.

Papers published in the *Broadcast Engineering Conference Proceedings* also will be eligible for consideration for the NAB Best Paper Award. Established in 2010, the Best Paper Award honors the author(s) of a paper of exceptional merit published in the *Proceedings*.

Do you have something to share?

If you feel qualified to speak at the NAB Broadcast Engineering Conference, we invite you to submit a technical paper proposal. Not all acceptable submissions can be included in the conference, due to the large number of submissions that

are received and the limited number of available time slots. The deadline for submitting your proposal is **October 21.** If you have any questions, contact John Marino, VP Science and Technology at 202 429-5346.

Radio Show Engineering Program Overview
September 14 – 16, 2011 Chicago, IL

The Radio Show Engineering Program begins on September 14 with Studio/Production Day. The modern multiplatform radio station is the focus. A variety of perspectives from industry experts will show how technology is offering stations new options for studio flexibility and air personality comfort. Techniques for modern remote broadcasts, streaming and social media activities will be covered. Presenters include: Brian Janes, ESPN Radio; Gary Kline, Cumulus; Jim Roberts; BE; Paul Shulins; Greater Media and Glynn Walden, CBS Radio.

On September 15, Transmission/Distribution Day, the focus turns to operational efficiency beginning with the radio transmitter plant and associated hardware. A key topic will be energy savings brought about by creative design and new developments in broadcast transmitters. Moving into the distribution area, experts will cover complementary practices that break from traditional broadcasting and show some of the new opportunities available with digital broadcasting. Presenters include: Gary Cavell, Cavell/Mertz Consultants; Steve Lockwood, Hatfield & Dawson Consultants; Paul Brenner, Emmis Communications; Jeff Littlejohn, Clear Channel; Nick Piggott, RadioDNS and John Ousby, IMDA.

Management issues related to broadcast towers are addressed on September 16 during Tower Day. A team of experts will explain maintenance and safety concerns relevant to all broadcasters. The demand for tower space is creating incentive for broadcasters to examine their towers to determine if they can become a source of new revenue. You will learn about the requirements of cellular operators, the challenges they face and the possible opportunities for you as a tower owner. Rich Biby, CEO, AGL Publications will lead this interactive session.

The Radio Show is jointly produced by NAB and the Radio Advertising Bureau (RAB). The Radio Show will include an enhanced schedule and expanded Radio Show Marketplace featuring exhibitor booths. To register go the Radio Show website.