

March 24, 2014



# Radio TechCheck

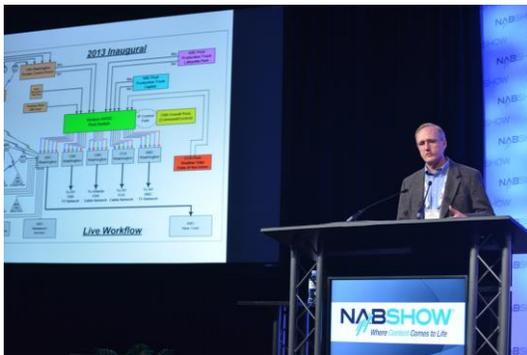
The Weekly NAB Newsletter for Radio Broadcast Engineers



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## Radio Technology Sessions Abound at the 2014 NAB Show

A broad array of technical sessions of interest to radio broadcasters will be presented at the 2014 NAB Show, April 5-10, 2014, at the Las Vegas Convention Center, Las Vegas, Nev. A summary of those sessions is presented below.



### The 2014 NAB Broadcast Engineering Conference

*Sunday-Thursday, April 6-10, South Hall meeting rooms*

The Broadcast Engineering Conference (BEC) presented annually at the NAB Show offers broadcasters, consultants, equipment manufacturers and researchers a venue to present emerging developments and solutions to industry needs. Engineers working in radio attending the conference have a unique opportunity to hear real-world case studies that may provide opportunities for their companies.

The BEC is co-produced by NAB and the Society of Broadcast Engineers. Each year the BEC Planning Committee meet to determine which topics are most relevant to technical professionals working in or allied to the broadcast industry.

2014 BEC highlights of interest to radio technologists include the following:

*Advancements in Digital Radio* – from optimizing coverage for the enhancement digital transmission to making the most of RDS, this session features papers reflecting actual case studies from broadcasters and consultants. The presentations reflect the evolution of radio broadcasting.

*Broadcast Facilities* – New efficient technologies and techniques should be considered when upgrading or building new facilities. This full-day of presentations looks at avoiding electrical disasters, IP network design and security, and case studies in facilities grounding. There's even a paper on broadcast operations using unlicensed WiFi spectrum, which contends that performance may be better than you think.

*AM Revitalization* – A highlight of this session will be the latest information regarding on-going all-digital AM field testing. Papers will also address shared frequency AM antenna systems, new rules concerning AM reradiation effects, and challenges and solutions for all-digital AM IBOC.

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## **Hybrid Radio – Making it Happen at Your Station**

*Monday, April 7, 1:00 - 4:00 p.m., Room N238*

Presented as part of the NAB Labs educational initiative, this special workshop will focus on how to implement hybrid radio at your station. Hybrid radio offers listeners new and exciting ways to enjoy and interact with a station's programming. With case studies and expert instructors, the workshop will explain the opportunities developing around hybrid radio. Demonstrations of hybrid radio in action will also be presented, along with information about developing a budget for hybrid operations, including staff education, hardware/software requirements and technical support.

## **Anytime, Anywhere, Any Device -- Advanced Mobile Developments**

*Tuesday, April 8, 10:30 a.m. - 12:00 p.m., Room S222*

Covering everything associated with mobile media from technologies, applications, software and hardware, this NAB Labs-produced session addresses global efforts from broadcasters, wireless, cable and satellite operators to bring broadcast media directly to consumers anytime and anywhere. The session will discuss current trends in mobile, and look toward the future where content creators and distributors will have the advanced tools and applications they need to provide compelling consumer experiences on mobile devices.

## **RF Boot Camp**

*Wednesday, April 9, 9:00 a.m. - 5:00 p.m., Room N232*

The RF Boot Camp is back this year by popular demand and newly revised. Presented by NAB Labs, the boot camp brings expert instructors to teach the basics to technologists who need to understand RF – a mission-critical part of broadcast operations. The boot camp is ideal for broadcast professionals working primarily in studio or IT environments who want to expand their knowledge or those new to the field. It may also be useful to small-market station owners and operators needing background on their transmission facilities.

## **Digital Strategies Exchange for Radio**

*Wednesday, April 9, 10:30 a.m. - 4:00 p.m., Room N238*

The Digital Strategies Exchange for Radio (DSX4r) returns, with an up-to-the-minute look at the alternative delivery and content enhancement methods available to radio broadcasters to connect with their listeners. Also presented by NAB Labs, this full-day program focuses on the many new technologies affecting radio broadcasting today, and provides recommendations for radio managers on how to best leverage them to a station's advantage.

Coupled with the vast array of radio-related exhibits on the Show floor, the presentations above ensure that a trip to the 2014 NAB Show will provide multiple opportunities for valuable education and career enhancement to radio technologists who attend.

## **Technology Luncheon**

*Wednesday, April 9, 12:30 - 2:00 p.m., Las Vegas Hotel, Paradise Ballroom*

This annual event will feature presentation of the 2014 Engineering Achievement Awards—to Jeff Littlejohn, Clear Channel, and Robert Seidel, CBS—along with the Technology Innovation Award and Best BEC Paper Award. The luncheon's guest speaker will be Bas Lansdorp, co-

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founder and CEO of [Mars One](#), the private entity currently planning establishment of a permanent human settlement on Mars.

## NAB Broadcast Engineering Conference Proceedings 2014

Learn about the latest and hottest technologies used by broadcasters and electronic media around the world. This selection of more than 90 papers from the 68th annual conference features Ultra HDTV, advanced television technologies, digital radio advancements, audio over IP, hybrid television, next generation sports production, media asset management, video description and captioning, ancillary broadcast services, over-the-top technologies and services, and more.

Add it to your NAB Show registration or pick it up onsite at the two NAB Stores located in the Las Vegas Convention Center.



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