

TV TechCheck

The Weekly NAB Newsletter for TV Broadcast Engineers



NAB
LABS

The 2013 NAB Broadcast Engineering Conference

This year's Broadcast Engineering Conference will take place April 6-11 at the [NAB Show](#) in Las Vegas, Nev.

Along with our conference partner organization, the Society of Broadcast Engineers, the NAB conference planning committee has developed a program that will address television and radio technical matters of most importance to the broadcast engineering community. Advanced mobile technologies, new broadcast platforms, the evolution of IP into the broadcast plant, AM revitalization efforts and planning for safety have all become important elements in our changing industry. The Broadcast Engineering Conference, now in its 67th year, continues to be a unique source of training and knowledge for broadcast professionals from around the world.

Here is a list of events and topics scheduled for the conference:

- SBE Ennes Workshop: *Alternate Broadcast Delivery – How to Make it Work* – Saturday all day
- Advanced Technologies for Television – Sunday all day
- Advanced Technologies for Radio – Sunday morning
- IP for Radio – Sunday afternoon
- Spectrum Matters – Monday morning
- Audience Measurement Technologies – Monday morning
- Broadcast Mobile TV Technical Status – Monday afternoon
- Radio Receiver Technologies – Monday afternoon
- AM Band Revitalization – Monday afternoon
- IEEE-BTS Tutorial: *IP in the Broadcast Plant* – Monday afternoon
- Television Technical Challenges in Need of Solutions – Tuesday morning
- Radio Engineer's Forum – Tuesday all day
- Video Production – Tuesday afternoon
- TV Quality Assurance – Wednesday morning
- Technical Regulatory Issues – Wednesday morning
- EAS Panel – Wednesday morning
- Cloud Based Storage and Distribution – Wednesday afternoon

Last Call for 2013 NAB Engineering Achievement Award Nominees

NAB is currently accepting nominations for the 2013 NAB Engineering Achievement Awards. Established in 1959, the NAB Engineering Achievement Awards are presented each year to individuals for their outstanding accomplishments in the broadcast industry. In 1991, NAB began giving awards separately for achievements in radio and television. The award winners will be recognized at the Technology Luncheon at 2013 NAB Show on April 10 in Las Vegas, Nev.

Additional information and a nomination form are available on NAB's [website](#). The deadline for nominations is January 21, 2013.

The Web and TV – Wednesday afternoon
IP for Television – Thursday morning
Planning for Safety – Thursday morning

The RF Boot Camp

As a special part of the Broadcast Engineering Conference this year, NAB Labs will present *RF Boot Camp – Understanding Radio and Television Transmission*.

This focused full-day program will be offered on Wednesday, April 10. Our instructors are John Bisset and Mary Ann Seidler from Elenos along with Gary Cavell and Cindy Cavell from Cavell, Mertz & Associates.

Today the broadcast industry has a good source of engineers and technicians who are experts in the IT areas. However their expertise often does not extend to RF transmission operations.

This one-day boot camp is being developed to offer basic knowledge regarding the operations of a broadcast radio or television RF plant. The program will cover the distribution of program and data content from the studio to the RF transmission points. Our team of instructors will address the types of hardware and software typically used at the RF plant. They will explain remote monitoring and telemetry scenarios. Towers, transmission lines and antennas will be the focus of an interactive discussion tailored to attendees who are unfamiliar with maintenance requirements and safety concerns. Specific FCC and OSHA Rules related to RF transmission will be explained along with methods commonly used to insure compliance with those rules.

The RF Boot Camp is especially valuable for the following:

IT professionals who require knowledge of broadcast RF technologies

Students interested in broadcast engineering as a career

Studio engineers interested in expanding their broadcast operations knowledge

Technical operations staffs who need to understand RF transmission methodologies

Small market station owners and operators needing this background

In addition to the Broadcast Engineering Conference, the NAB Show offers opportunities to network with industry peers and meet with experts from exhibiting companies with close ties to your business and profession. Complete information on the 2013 NAB Show with registration and housing information may be found at www.nabshow.com.

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