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TV TechCheck
The Weekly NAB Newsletter for TV Broadcast Engineers
NAB LABS

NAB Labs Presents Education on Critical Topics at 2013 NAB Show

At the 2013 NAB Show in Las Vegas, Nev. (April 6-11), NAB Labs will present several educational sessions and events on subjects of critical importance to the television industry. The sessions are as follows:

Mapping the Future of Broadcast Television, Tuesday, April 9, 10:30 a.m. – 12:00 p.m., Las Vegas Convention Center, Room S222

The session will address how broadcast television is evolving as a result of advanced technology and changing consumer expectations. Presenters will consider the impact that multiple platforms and increasing competition in the video market are having on the ways television content is created, managed and distributed. The discussion will explore the medium's future from the perspective of broadcasters, consumers, and organizations working to develop future global television technical standards.

Speakers will include Kevin Gage, NAB Chief Technology Officer and Head of NAB Labs; James F. Goodmon, Jr., Vice President and General Manager of CBC New Media Group at Capitol Broadcasting Company; Erik Moreno, Senior Vice President, Corporate Development at Fox Networks Group; and Lieven Vermaele, Director of Technology and Innovation at the European Broadcasting Union. The session will be moderated by Harry Jessell, Editor and Co-Publisher of *TVNewsCheck.*

RF Boot Camp, Wednesday, April 10, 9:00 a.m. - 5:00 p.m., Las Vegas Convention Center, Room S219

This full-day session offers 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, including the types of hardware and software typically used at the RF plant, and remote monitoring and telemetry. 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 ensure compliance with those rules.

It is intended for IT professionals at broadcast facilities seeking to improve their knowledge of broadcast RF technologies, students interested in broadcast engineering as a career, studio engineers and

BEC Reception Welcomes Engineers

Be sure to add the Broadcast Engineering Opening Reception to your schedule, on Sunday April 7, 5:30 – 7:30 p.m., in Room S219. Meet with your peers for beverages and hors d'oeuvres to mark the start of the 67th Broadcast Engineering Conference. Sponsored by Diversified Systems, Inc.

technical operations staff interested in expanding their broadcast operations knowledge, and small-market station owners and operators needing this background.

Presenters include John Bisset, Western Regional Sales at The Telos Alliance; Mary Ann Seidler, Vice President, Sales at Tieline; Cindy Cavell, Senior Engineer at Cavell, Mertz and Associates, Inc.; Garrison Cavell, President, Cavell, Mertz and Associates, Inc.; and Paul Shulins, Director of Technical Operations, Greater Media Boston.

NAB Labs Futures Park, Monday-Wednesday, April 8-10, 9:00 a.m. – 6:00 p.m.; Thursday, April 11, 9:00 a.m. – 2:00 p.m., North Hall, Las Vegas Convention Center

This special area of the NAB Show exhibit floor will feature numerous high-profile media technologies in development around the world, specifically chosen by NAB Labs for demonstration to the broad international audience in attendance. Technologies to be shown include 4K and 8K video, 22.2-channel sound, mobile HDTV, HTML5-based "smart-TV," wireless broadband service using TV white spaces, emergency alerting for digital radio, advanced file-based workflows, multi-screen and free/multi-view TV applications, and more.

Perhaps most notable will be the world's first demonstration outside Japan of over-the-air broadcast transmission and reception of 8K video and 22.2-channel audio (NHK's *Super Hi-Vision* service), using two 6MHz TV channels.

Exhibitors in the NAB Labs Futures Park are the Advanced Media Workflow Association (AMWA), Electronics and Telecommunications Research Institute (ETRI), Framework for Interoperable Media Services (FIMS), Nanyang Technological University (Singapore), NHK Science and Technology Research Labs, National Institute of Information and Communications Technology (NICT), Project FINE, Rochester Institute of Technology and Zaxel Corp.

Conference sessions above are open to registrants holding a Conference Flex Pass or SMART Pass. The NAB Labs Futures Park is open to all NAB Show registrants.