

PUBLIC RADIO ENGINEERING CONFERENCE 2010

Thursday and Friday 8-9 April 2010

Ennes Sessions LVCC 10 April

MGM Grand Convention Center, Room 305

3799 Las Vegas Boulevard South, Las Vegas, Nevada 89109



Thursday 08 April 2010

0700–0800 **Registration and Continental Breakfast**
underwritten by NPR Distribution
<http://www.prss.org>



0800–0815 **PREC 2010 Welcome**
Ralph Hogan, President APRE

0815–0900 **Last Mile Audio via IP - “My Mission: To Boldly Go Where No IP Has Gone Before.”**
Ralph Hogan—introduction
Roger Karwoski, Chief Engineer KBIA—presenter

0900–0945 **Audio Processing**
Ralph Hogan—introduction
Gordon Carter, Chief Engineer, WFMT—presenter

0945–1000 **Morning Break**
underwritten by ERI
<http://www.eriinc.com/>



1030–1200 **NPR Labs Projects Update**
Mike Starling—moderator
John Kean, Senior Technologist NPR Labs—presenter
Rich Rarey, Manager, Strategic Technology Applications NPR Labs—presenter
Mike Starling, vice president, chief technology officer, and executive director NPR Labs —presenter

1200-1300 **Lunch**
underwritten by IDC and APRE
<http://www.datacast.com/>



1330–1320 **PTFP/NTIA Funding Grants**
William Cooperman, PTFP Director

1320-1345 **CPB Funding Report**
Don Lockett, Senior Director, Media Technologies CPB
Doug Vernier, CPB Technical Consultant, President V-Soft Communications

1345-1515 **PRSS Forward – distribution projects over the next three years**
New PRSS Receiver panel discussion
Dick Kohles, Director, Operations and Engineering—moderator
PRSS Staff—presenter

1515–1530 **Afternoon Break**
underwritten by APRE



1530–1700 **PRSS – Operations and Engineering Updates**
Dick Kohles, Director, Operations and Engineering—moderator
PRSS Staff—presenter

1700-1830 **Dinner on Your Own**

1830–2100 **PREC 2010 ‘Night Owl’ Session**

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5.1 Surround Broadcasting—Presentation—Q&A
Rich Parker—moderator
Nick Kereakos, Managing Director, Broadcast Production and Operations APM—presenter
Kyle Wesloh, Manager, Broadcast Production and Operations APM—presenter
Duke Markos, Technical Director JazzSet—presenter
J.J. Johnson, Chief Scientist DTS—presenter

Friday 09 April 2010

0700-0830 **Breakfast with PBS TechCon10**
TV Exhibit Hall Rooms 318/319/320
underwritten by APRE



0830-0930 **Tower Failures: Causes and Cures**
Ralph Hogan—introduction
Dave Davies, Director: Structural Products and Services ERI—presenter

0930-1000 **Morning Break**
underwritten by DTS/Neural Technologies



1000-1100 **Determining Loudness with BS.1770 – Compliant Metering**
Rich Parker —introduction
Mike Pappas, Chief Engineer KUVO/Advanced Digital—presenter

1100-1200 **EAS and CAP update**
Rich Parker —Introduction
Ed Czarnecki Ph.D., Executive V.P. SpectraRep —presenter
Jim Heminway, GM Monroe Electronics—presenter

1200-1300 **Lunch**
underwritten by Harris
<http://www.Harris.com>



1300-1400 **Next-Generation Telco Technologies for Broadcast**
Rich Parker —moderator
Motty Anavi, V.P. of Business Development RAD Data Communications—presenter
Chris Crump, Director of Sales and Marketing Comrex—presenter
Rolf Taylor, Applications Support Engineer APT/WorldNet—presenter

1400-1415 **Afternoon Break**
underwritten by Broadcast Electronics
<http://www.bdcast.com/>



1415-1545 **IBOC Power Increase - Transmitters**
Dan Mansergh—moderator
Geoff Mendenhall, V.P. Transmission Research and Technology Harris—presenter
Gary Liebisch, Sales Engineer and Manager Nautel—presenter
Tim Bealor, V.P. Sales Broadcast Electronics—presenter
Dave Hershberger, Senior Scientist Continental—presenter

1545-1645 **IBOC Power Increase - Antennas**
Dan Mansergh—moderator
Myron Fanton PE, Product Development ERI—presenter
Keith Pelletier, Director, Engineering at Dielectric—presenter
Bob Surette, Director of Sales Engineering Shively—presenter

1645-1700 **Conference Closing**
Ralph Hogan, APRE President

1900–2200 **APRE Annual Engineering Awards Dinner**
Maggiano's Little Italy <http://www.maggianos.com>
(paid confirmed guests only)
Sponsored by APRE



Saturday 09 April 2010

0800–1700 **SBE Ennes Workshop- Continuing the Digital Transition**
LVCC South Hall, Room 219/220
(open to all PREC registrants with PREC 2010 badge)



PREC Support Provided by the Following:



*Celebrating Thirty Years
of Serving Public Radio*

1979 - 2009





PRSS[®] Forward

The Public Radio Satellite System[®] (PRSS[®]) has launched a system-wide project, which will run through 2013, to upgrade or replace certain hardware and software components of the system. The project will involve significant improvements to equipment provided to PRSS interconnected stations nationwide and to internal PRSS systems with funds provided by Congress through the Corporation for Public Broadcasting (CPB).

Expanded agenda for PRSS presentations:

Dick Kohles: Overview of time-lines and major benchmarks- Projects

- M,O,V,E. and the new NPR HQ

New Receivers, New features, New Ideas, New Possibilities

Moderator: Dick Kohles – Director of Operations and Engineering.

Audio formats, Ports and Hard Drive – Mark Murphy, Deputy Dir. Engineering.

Tuners, Outputs - Analog, AES, Livewire, wiring – Doug Bevington, Sr. Sat. Fac. Eng.

TCP Server, Metadata, HD Radio Applications – Bruce Wahl, Sr. Solutions Architect

Product Development, Split Copy – Andrew Leyton, Dir. Prod. Dev., Broadcast- IDC

All Q & A

Operations and Engineering Updates

Satellite Considerations – Mark Murphy, Deputy Director, Engineering

PRSS Satellite Backup Provisions

Frequency Coordination for C-Band Sites and Site Selection Tools

Ground Equipment Refurbishment Project

Operations Update – Ralph Woods, Deputy Director of Operations

Year to Date Metrics

File Delivery Issues

Messaging - New Categories for System Messaging

Red Alert

- When it Will Be Used
- Uses info from Portal-Customer Profiles
- Periodic Tests

BuNoc

- Brief Discussion of History and Past Tests
- Testing Strategy and schedule Going Forward

All Q & A