

TV White Spaces Summit

15 June 2010 • Washington, DC

Convened by industry stakeholders to share lessons learned, proposals and ideas on all aspects of the emerging TV White Spaces (TVWS) market, the TVWS Summit will highlight market demand, industry interest, and progress towards deployment. The Summit will present multiple industry perspectives and discuss outstanding issues together with plans for how to move forward.

Featuring keynotes by



The Honorable Meredith Attwell Baker,
Federal Communications Commissioner for the Federal Communications Commission.

and



Julius P. Knapp II,
Chief of the Federal Communications Commission's (FCC) Office of Engineering Technology (OET)

The theme of this conference is to **"Maintain a spotlight on TV White Spaces progress."** It is designed to highlight the growing benefits of TVWS in addition to:

- Discussing commercialization of TVWS
- Reviewing the progress of proposed standards
- Examine technology/regulatory/deployment requirements

This premier event for identifying the importance of TVWS to the wireless industry will address topics with strong interest for Device Manufacturers, Radio Manufacturers, ISPs, Carriers, Software Providers and Application Builders. The conference is designed to recognize the importance of each of the identified participants in supporting the objectives of the FCC in promoting more readily available access to Broadband services.

Event Sponsors



THANK YOU TO OUR PLATINUM SPONSORS:

GENERAL DYNAMICS
C4 Systems

HARRIS



indra



communications
Nova Engineering



Meeting Agenda

Meeting location: Regency AB

- 07:30 Registration
- 08:15 **Welcome:**
Bruce Oberlies, Sr. Director of Advanced Technology and Strategy, Motorola
Chair of the Wireless Innovation Forum
- 08:25 **Keynote:**
The Honorable Meredith Attwell Baker
Federal Communications Commissioner, Federal Communications Commission
- 09:00 **Commercialization Status**
Field Trials and Results • Devices • Standards
Moderator/Chair: Neeraj Srivastava, Spectrum Bridge
Participants: Joe Hamilla, Spectrum Bridge, on Claudville/Plumas
John Chapin, MIT, on Wilmington
Kiran Challapali, Philips, on ECMA TC48 (cognea)
Apurva Mody, BAE Systems, on IEEE 802.22
Alex Reznik, InterDigital, on IEEE 802.19
- 10:00 Break
- 10:30 **Applications Focus**
WISPA/Rural Apps • Personal/Portable Smart Grid/Smart City
Joint Mini-Keynote:
Bill Saffo, Mayor of Wilmington, NC and
Jason Thompson, Chairman of the New Hanover County, NC Board of Commissioners
Chair: Craig Mathias, Farpoint Group
Participants: Russ Markhovsky, Invisitrack, on Location Tracking
Alex Phillips, WISPA
- 11:45 **Lunch and Demonstrations (Independence A)**
Speaker:
Julius P. Knapp II, Chief of the Federal Communications Commission's (FCC) Office of Engineering Technology (OET)
- 13:30 **Database Focus Session**
Exploring database administrator role, current process and key challenges
Chair: Paul Garnett, Microsoft
Participants: Mark Gibson, Comsearch
John Malyar, Telcordia
Neil Keon, WSdb
Peter Stanforth, Spectrum Bridge
James Neel, CRT

Agenda (continued)

14:40

Component Vendors Panel

Current status, drivers and roadblocks, and prospects for development of the integrated radio components needed to make TVWS devices affordable and ubiquitous

Moderator: John Chapin, MIT

Participants: Peter Tenhula, Shared Spectrum
Larry Koos, KTS

15:10

Break

15:30

Changes to Current TVWS Rules

Database, Sensing or Both?

Moderator/Chair: Peter Tenhula

Vice President and General Counsel, Shared Spectrum Company

Chair of the Wireless Innovation Forum Regulatory Committee

Participants: Peter Stanforth, Spectrum Bridge

Dave Gurney, Motorola

Anant Sahai, UC Berkley

Michael Calabrese, New America Foundation

16:40

Action Plan and Next Steps

Moderator: Bruce Oberlies

Sr. Director of Advanced Technology and Strategy, Motorola

Chair of the Wireless Innovation Forum

17:00

Close

Demonstrations/Displays



DataSoft provides HW & SW products and design services for SDRs and Cognitive Radios. Our products include Tunable RF Filters, RF Transceivers, SCA-Compliant Waveform Development kits, Radio Network Test and Analysis Tools, SDR Tool Suite for SCA-compliant waveform development and analysis, Intelligent Agent SW for end-to-end performance monitoring; and middleware for power management. More information can be found at www.datasoft.com.



Shared Spectrum Company (SSC) is a leading developer of Dynamic Spectrum Access (DSA) software and technology for military and commercial wireless systems. SSC developed DSA under the DARPA XG program and currently deploys a range of DSA solutions while also providing technical/regulatory consulting and rapid prototype design services.



The Wireless ISP Association (WISPA) is the premier trade organization representing the broadband fixed wireless industry - WISPs and companies supplying goods and services to WISPs. WISPA advocates for a) access to spectrum, and b) effective broadband wireless operating rules. WISPA is active in both TV White Space and in Terminal Doppler Weather Radar database work. Please visit www.wispa.org



xG Technology, Inc. has developed innovative, patented communications technologies which offer the potential to significantly reduce the required capital investment and operating costs of wireless and wired voice and data communications services.

About the Keynotes



The Honorable Meredith Attwell Baker, Commissioner for the Federal Communications Commission (FCC)

Before being nominated by President Barack Obama as a member of the FCC on June 25, 2009 and sworn in on July 31, 2009, Ms. Baker served as Acting Assistant Secretary of Commerce for Communications and Information and Acting Administrator of the National Telecommunications and Information Administration (NTIA). At NTIA, Ms. Baker advised and represented the Executive Branch on both domestic and international telecommunications and information policy activities.



Julius P. Knapp II, Chief of the FCC's Office of Engineering Technology (OET)

Mr. Knapp has been with the FCC for 33 years and served as the Deputy Chief of OET 2002-2006, after which he was named Chief. Prior to that, he was the Chief of the Policy & Rules Division where he was responsible for FCC frequency allocation proceedings and for proceedings amending the FCC rules for radio frequency devices. Mr. Knapp was Chief of the FCC Laboratory from 1994 – 1997 where he was responsible for the FCC's equipment authorization program and technical analyses.

This is the first of two workshops being held by the Forum focused on TV White Space Communications. A follow up workshop focused on technology evolution in TV White Space entitled Going to Market with TV Band Devices: Long Term Promises, Near Term Actions will be held in Schaumburg, Illinois on September 16th, 2010 (please visit www.WirelessInnovation.org for more information). Individuals wishing to participate in this follow on workshop should contact Al Margulies, Deputy CEO of the Wireless Innovation Forum.

ABOUT THE WIRELESS INNOVATION FORUM

The Wireless Innovation Forum (SDR Forum version 2.0) is an international industry association dedicated to supporting the development and deployment of software defined and cognitive radio systems. Our **global membership** is comprised of decision makers, planners, policy makers, technical leaders, suppliers, manufacturers and educators.

Become a member and gain insight to emerging technologies. Access key technical documents, industry reports and market surveys. **Network. Collaborate. Participate** in committees, workgroups and workshops to define market requirements, establish the regulatory landscape, and develop specifications for SDR, CR and DSA technologies.

Want to know more, get involved? To participate in the Forum's advocacy, opportunity development, commercialization and education activities in the defense, public safety, space, and commercial communications markets, contact the Forum's CEO at Lee.Pucker@WirelessInnovation.org.

Want to become a member? Visit the Forum's web site:

www.WirelessInnovation.org

18631 N. 19th Ave., Suite 158-436 • Phoenix, AZ USA • (602) 843-1634: Office • (303) 374-5403: Fax • info@WirelessInnovation.org

