



**IEEE DySPAN 2010 TO EXPLORE GLOBAL COMMERCIALIZATION &
DYNAMIC EXPANSION OF RF SPECTRUM
Leading Scientists, Researchers & Government Officials to Discuss & Demonstrate
Next Generation Smart Radio & Wireless System Technologies**

NEW YORK, NY (February 17, 2010) – The IEEE Symposium on New Frontiers in Dynamic Spectrum Access Networks (DySPAN), a leading worldwide conference dedicated to the dynamic expansion of the global RF spectrum, will host hundreds of leading scientists, industry professionals and government officials in Singapore from 6 - 9 April 2010 as they discuss the commercialization and advance of next generation smart radio system technologies.

“With the ever growing popularity of wireless communications, the demand for radio spectrum is outstripping the supply, making it a highly valued and scarce resource worldwide. This scarcity has much to do with the static nature of how spectrum is currently managed, motivating the idea of dynamic spectrum access,” says IEEE DySPAN co-chair Douglas C. Sicker, a senior advisor to the Federal Communications Commissions Broadband Plan and a professor at the University of Colorado in the United States. “IEEE DySPAN is the preeminent international venue for discussing dynamic spectrum issues among regulators, researchers, standards organizations and service providers. Our goal is to work with leaders worldwide to resolve spectrum access challenges and greatly optimize wireless spectrum use.”

“These issues are especially important today given the ongoing advance of cognitive radios and interference management technologies, which are all leading to a new realm of dynamic spectrum access and management. In addition, these initiatives are further underscored by the dedicated efforts of organizations like the U.S. Broadband Task Force that are now actively exploring the union between spectrum technology, economics, policy and the future growth and consumer welfare of the RF spectrum worldwide,” says Paul Kolodzy, who founded IEEE DySPAN in 2005.

Hosted by the IEEE Communications Society (ComSoc), the leading worldwide professional organization dedicated to the advancement of communications technologies, IEEE DySPAN 2010 will hold more than 40 sessions, panels, keynotes, demonstrations and tutorials dedicated to the effective and dynamic use of the RF spectrum. Since its launch in 2005, policy makers, engineers, researchers and scholars from the United States, Europe and Asia have attended IEEE DySPAN to achieve a far greater understanding of the applications, networks and

devices that are increasingly gaining "cognitive" capabilities, enhancing spectrum utilization and advancing dynamic spectrum use through the decentralized access of the wireless spectrum.

Among the many international dignitaries and leading scientists speaking at this year's event are Dan Reed, Corporate Vice President, Technology Policy and Strategy of Microsoft's eXtreme Computing Group; Hideo Miyahara, President of NICT in Japan; Dr. Hossein Moiin, BT's 21CN Principle Mobility Architect and Mobility Fellow; Leong Keng Thai, the Deputy Chief Executive & Director-General (Telecoms & Post) of the Infocomm Development Authority of Singapore (IDA); and Dr. Liu, Yan Director-General of the State Radio Monitoring Center (SRMC) of People's Republic of China.

In addition, over 100 presentations have been scheduled to address wide-ranging RF spectrum access issues. Specific presentations include the "International Standardization of Cognitive Radio Systems," "Game Theory for Cognitive Radio Networks," "Security in Dynamic Spectrum Access Systems," "Potential Alliances for World-Wide Dynamic Spectrum Access," "Enabling Dynamic Spectrum Access in a Tactical Radio System," "Robust Sensing of DVB-T Signals" and "Short Range White Space Utilization in Broadcast Systems."

IEEE DySPAN 2010 has also been especially designed to showcase cutting-edge technologies focused on expanding RF spectrum usage and commercializing smart radio systems. Throughout the event, these demonstrations will highlight many new advancements including "TV White-Space Video Streaming," "Cognitive Radio for Home Networking," "Decomposable MAC Frameworks for Highly Flexible" and "Adaptable MAC Realizations," "Digital and Analog Solutions for Low-power Multi-band Sensing," and "Cognitive & Radio-Aware, Low-Cost (CORAL) Research Platforms."

IEEE DySPAN 2010 is dedicated to accelerating the deployment of spectrum sharing solutions on a worldwide scale," offers Preston Marshall, of the Information Science Institute at the University of Southern California, and the previous DARPA Program Manager responsible for much of the research in the field. "The global importance of this effort is constantly increasing, given the necessity to accommodate the exponential expansion of the latest wireless, mobile Internet, and environmental, energy and sensing applications that are emerging every day."

The IEEE Symposium on New Frontiers in Dynamic Spectrum Access Networks (DySPAN) will be held at the Pan Pacific Hotel in Singapore from 6 - 9 April 2010. For more information including registration details, please visit www.ieee-dyspan.org/2010 or contact Heather Ann Sweeney, IEEE Communications Society, 3 Park Avenue, New York, NY 10016. Phone: (212) 705-8938. E-mail: h.sweeney@comsoc.org.