

**IEEE WCNC 2011 to Explore Latest Advancements in
Wireless Communications & Networking**
*Hundreds of Researchers, Government Officials and Academia to Convene in
Cancun, Mexico from March 28 – 31 to Discuss Economic Implications &
Societal Benefits of Next Stage Wireless Technologies*

NEW YORK, NY (March 1, 2011) – The IEEE Wireless Communications & Networking Conference (WCNC 2011), the international symposium dedicated to the latest advances in global wireless communications, will hold its next premier annual event from March 28 – 31, 2011 in Cancun, Mexico. During the course of the four-day event, hundreds of leading researchers, government officials and academia from around the world will convene to discuss the economic implications and social benefits of next-stage wireless technologies ranging from vehicular, multimedia and cooperative communications to video streaming, networking and beamforming.

With a constant focus on innovation, IEEE WCNC 2011 will begin its comprehensive agenda of keynote addresses, high-level business panels and technical sessions on Monday, March 28 with an entire day of tutorials focused on topics such as “Beyond 4G Mobile Broadband,” “Cooperative Wireless Communications,” “IP-based Mobility and Handover Optimization,” “Relay-enhanced LTE-Advanced Networks” and “Game Theory for Multiple Access and Resource Allocation in Wireless Networks.”

On the following morning, Dr. Lajos Hanzo, Chair Professor of Telecommunications at the University of Southampton in the United Kingdom, will open the day with his keynote presentation titled “Dispensing with Channel Estimation: Near-Capacity Non-coherent Co-located and Distributed MIMO Architectures.” A noted authority on mobile radio and wireless multimedia communications, Dr. Hanzo will discuss how “advanced signal processing hardware became an off-the-shelf commodity” that “facilitated near-capacity communications,” as well as the “design of low-complexity, low-power 'green' telecomms solutions.”

Immediately afterward this address, the conference will then proceed with three days of presentations including the panel discussions highlighting the “Future of Wireless Networks” and “Wireless Green Networking.” During these sessions, leading authorities from Samsung, Alcatel-Lucent, Huawei, IBBT, the University of Rome and the Technical University in Dresden, Germany will discuss the many industry challenges posed by the rapid expansion of mobile Internet use worldwide as well as the most viable methods for motivating manufacturers and researchers to develop new lines of low-power equipment and networking systems. On Thursday, the panel of “Networking Challenges for Future Services” will also explore the problems and possible solutions surrounding current networking technologies, ever-increasing Internet traffic load and bandwidth-demanding services and applications.



In addition, IEEE WCNC 2011 will include over 80 technical sessions and the presentation of nearly 400 technical papers providing insights into the latest advances in energy efficiency, wireless routing and networking, communications theory, cognitive radio, cooperative communications and resource management. Among the specific topics are “Wideband Spectrum Sensing,” “Improving Energy Efficiency in Mobile Phones,” “Sustainable Wireless Sensor Networks,” “Green Cellular Networks,” “Power Allocation in Cognitive Radios,” “Relay Power Allocation Schemes” and “On Vehicle-to-Roadside Communications.”

For more information on IEEE WCNC 2011 including registration details and ongoing conference updates please visit www.ieee-wcnc.org/2011 or contact Heather Ann Sweeney of the IEEE Communications Society at 212-705-8938 or h.sweeney@comsoc.org. Additional website benefits include the ability to connect and communicate with friends and colleagues worldwide through the conference’s Twitter, Facebook and LinkedIn pages.

The IEEE Wireless Communications & Networking Conference (WCNC 2011) is hosted by the IEEE Communications Society, which has over 40,000 members and is the second largest of IEEE’s 38 technical societies. Founded in 1952, IEEE ComSoc is also recognized as a major international forum for the exchange of ideas on communications and information networking.

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