IEEE COMMUNICATIONS SOCIETY

IEEE WCNC 2013 to Explore Latest Wireless System &
Networking Advances from 7 – 10 April 2013 in Shanghai, China
Premier International Forum Announces 22 September 2012 as "Call for Papers" Deadline

NEW YORK, NY (August 2, 2012) – The IEEE Wireless Communications and Networking Conference (WCNC), the leading international event dedicated to the advance of global wireless system and networking technologies, has announced September 22, 2012 as the "Call for Papers" deadline for its next annual conference to be held April 7 – 10, 2013 in Shanghai, China. Sponsored by the IEEE Communications Society (ComSoc), IEEE WCNC 2013 is devoted to providing industry professionals, academics and researchers with a premier, four-day learning experience that explores the entire range wireless technologies including emerging wireless and mobile applications, energy-efficient network designs and dynamic spectrum access protocols.

"As one of the world's leading financial, commercial and industrial centers, Shanghai offers the perfect locale for discussing and advancing the next generation of wireless technologies that are actively reshaping the lives of more than seven billion people worldwide," says Professor Xiaohu You, IEEE WCNC 2013 General Chairman. "We are committed to providing the highest-quality schedule of presentations, while offering attendees the opportunity to experience the City's truly stunning blend of modern, traditional, western and oriental amenities."

Commencing Sunday 7 April, IEEE WCNC 2013 is expected to host more than 600 keynotes, panels, tutorials, workshops and technical sessions detailing nearly every area of wireless communications ranging from networking and services to application and deployment. Among the leading authorities already scheduled for this event are Professor Fumiyuki Adachi of the Tohoku University in Japan, who will speak on "Spectrum & Energy-Efficient Distributed Antenna Network for Future Wireless Communications;" Dr. Chih-Lin I, Chief Scientist of China Mobile Inc., who will address "Towards Green and Soft;" Professor Victor O.K. Li of The University of Hong Kong, China, who will discuss "Can Wireless Technologies Save the Environment?" and Professor P. R. Kumar of Texas A&M University in the Untied States, who will talk about "A Clean Slate Approach to Security of Wireless Networks."

All professionals interested in presenting at IEEE WCNC 2013 are urged to visit www.ieee-wcnc.org/2013 for more conference information and detailed submission guidelines. Original, unpublished papers will be considered in nearly every communications area related to the development and design of wireless systems and networks. Potential topics include, but are not limited to:

  PHY Track: Cognitive radio network and dynamic spectrum access; Multihop, cooperative and distributed communications; Modulation, channel coding & diversity; Equalization & synchronization; Space-time, MIMO & adaptive antennas; OFDM/OFDMA, CDMA & spread spectrum; Channel modeling and characterization; Interference management & MUD; Iterative techniques; Information-theoretic aspects of wireless communications; Signal processing for wireless communications; Ultra-wide bandwidth communications; and Multi-cell cooperation and processing.

  MAC Track: MAC design for multiple access techniques; Cognitive radio and cooperative MAC; Collaborative algorithms; MAC for mesh, ad hoc, relay & sensor networks; Network information theory; Radio resource management and allocation, scheduling; Energy-

efficient MAC design, cross-layer security & design; Software defined radio, RFID; Adaptability & reconfigurability; Wireless MAC protocols, design & analysis; MAC protocol for B3G/4G systems, WiMAX, WLAN, WPAN; and QoS provisioning in MAC.

Networks Track: Position location; Energy-efficient network protocol design; Mobility, location and handoff modeling and management; Wireless routing; Clustering & networking coding in mesh, relay, sensor and ad hoc networks; Multimedia QoS and traffic management; Wireless broadcast, multicast & streaming; Congestion & admission control; Wireless network security & privacy; Interworking heterogeneous wireless/wireline networks; and vehicle-to-vehicle communication.

Services & Applications Track: Emerging wireless/mobile applications; Context & location-aware wireless services & applications; Wireless telemedicine & e-health services; Intelligent transportation systems; Cognitive radio and sensor-based applications; Content distribution in wireless home environments; Wireless emergency & security systems; Service-oriented architectures, service portability; SIP-based services, multimedia, QoS support & middleware; Innovative user interfaces & peer-to-peer services for multimedia; Dynamic & autonomic services; Regulations, standards & spectrum management: Personalization, service discovery, profiles and profiling.

For more information on IEEE WCNC 2013, including registration and sponsorship details, please contact Heather Ann Sweeney of IEEE ComSoc at h.sweeney@comsoc.org or visit www.ieee-wcnc.org/2013 .

The IEEE Communications Society has over 50,000 members and is the second largest of IEEE's 38 technical societies. Founded in 1952, it has become the major international forum for the exchange of ideas on communications and information networking.

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