IEEE ICC 2015 Sets Attendance Record in London, UK

Nearly 3,000 Industry Professionals, Researchers & Scientists Attend More Than 1,800 Presentations Dedicated to Latest “Smart City & Smart World” Advancements

New York, NY, August 11, 2015 --(PR.com)-- The 2015 IEEE International Conference on Communications (IEEE ICC 2015), the premier venue dedicated to worldwide wireless and wireline communications, recently concluded its global annual event with a record-breaking 2,947 attendees participating in 1,800 presentations dedicated to nearly every area of the communications spectrum.

“This year's conference was a phenomenal success,” says Executive Chair Professor Jiangzhou Wang of the University of Kent, UK. “As one of the most advanced cities in the world, London was the ideal backdrop for introducing revolutionary telecom technologies and the next wave of industry leaders.”

Held from June 8-12, 2015 at the ExCel London Convention Centre in London, UK, IEEE ICC 2015 began Monday, June 8 with a full day of tutorials and workshops addressing topics like “Greening Cloud Networks,” “Dynamic Social Networks” and “Energy Harvesting in Wireless Communications.”

After brief introductions, the IEEE ICC 2015 keynote agenda began Tuesday morning with the presentations of Dr. Paul E. Jacobs, Executive Chairman of Qualcomm Incorporated, who discussed the “Mobile-Powered Future” and the creation of intelligently-connected mobile ecosystems as well as Professor H. Vincent Poor of Princeton University, who spoke on “Smart Grid: The Role of the Information Sciences” and the integration of renewable energy sources.

During his speech, Dr. Jacobs highlighted his view for “transforming the edge of the Internet” with solutions that overcome the 1000x data challenge, create the connectivity fabric for everyone and bring cognitive technology to life. Dr. Poor then began his address by describing the Smart Grid as the “The Internet of Energy” filled with pervasive control, self-monitoring and healing features, two-way communication, automated maintenance and increased consumer choices.

In addition, Tuesday initiated the introduction of a wide array of forums, panels, symposia and demonstrations detailing the latest advances in communications and regulatory policy innovations. For the first time, IEEE ICC 2015 offered “Presentations on the Podium” as brief discussions exploring topics like Rapid 5G Systems Prototyping, Next Generation Centralised SON and Looking Ahead to 5G.

Other milestones included the conference's technical program that spanned Tuesday through Thursday and featured 1,285 peer-reviewed papers delivered across 69 oral and interactive sessions. Among the hundreds of symposia topics were Adaptive Video Streaming, Mobile Social Networks, CrowdSensing & Mobile IoT Solutions, e-Health and P2P Opportunistic Communications.

Another prominent feature unveiled on Tuesday was the demonstrations of Nokia, Huawei, Keysight, InterDigital, GenBand, Anritsu, Digile, P.I. Works, Nutaq and National Instruments on topics like the “Finnish Internet of Things,” “Sub 6 GHz MIMO,” “5G mmWave MIMO channel sounding,” “WiFi
Data Offloading” and “M2M Connected Vehicles.”

Wednesday started with the keynotes of Dr. Wen Tong, CTO, Huawei Wireless, who focused on “5G to Embrace the Vertical Industries” and Professor Alwyn Seeds of the University College London, who addressed “Wireless over Fibre Systems: from MHz to THz.” Dr. Tong confronted the “Dawn of the Automated Society,” which will be highlighted by 900 billion sensor connections and 5G air-interfaces offering “zero” latency across five million global macro sites. Dr. Seeds followed by citing how global IP data traffic will exceed 130 exabytes a month by 2018 and mobile data usage will grow 3X times faster than fixed IP traffic between 2013 and 2018. He then suggested satisfying these demands through MIMO at frequencies lower than 100GHz, free space optical communications and THz-over fiber systems.

Immediately following these keynotes, attendees were feted to the Chief Technology Officer Forum highlighted by the viewpoints of EE CTO Fotis Karonis; Telefónica UK CTO Brendan O'Reilly; Huawei wireless CTO Wen Tong; and Qualcomm wireless standards EVP Ed Tiedemann. Confronted with the title question - “How far can we evolve Mobile Networks - What is next?” - each of the participants urged far greater collaboration among the industry’s players to ensure 5G not only delivers higher quality service, but also overcomes significant data traffic among their mobile networks. They also lamented the need for consumers to pay more for more services, the rising cost of infrastructure and the failure of vendors to neither fully understand industry challenges or generate solutions.

The final day of the conference began Thursday with the addresses of Professor Xiaohu You of Southeast University, Professor Lajos Hanzo of the University of Southampton and Dr. Jürgen Schindler, Head of 5G Business Program at Nokia. Discussing “5G Mobile Communications in China” and the nation's strategies for creating massive cooperative cloud radio capabilities, Dr. You outlined the Chinese National High-Tech R&D Program encompassing 863 open platform and enabling technology projects. Highlighted was the presentation of a 5G wireless technology roadmap consisting of new air interfaces (AI) and 5G evolution AI exploiting low-frequency bands below 6GHz and high-frequency bands within the 6 - 100GHz range by 2019.

Professor Hanzo followed by detailing “A Stroll with Shannon to Next-Generation Plaza: Large-Scale MIMOs, Single versus Multiple RF Chains and All That...” During his talk, Dr. Hanzo “strolled” with Shannon to review numerous present-day scenarios exploring questions like “would the field of wireless have developed equally bandwidth consciously?,” “what if governments had not imposed frequency-license fees?,” and “what about green radio and the tactile Internet?”

The program concluded with Dr. Jürgen Schindler, Head of 5G Business Program at Nokia, who spoke about "5G, Expanding The Human Possibilities of Technology.” As explained, a nation-wide spectrum globally harmonized to enable guaranteed QoS and global roaming will be key to create “5G any to any connectivity,” simultaneous and native HetNet multi-connectivity and session-on-demand resource efficiency for the sporadic data transmission of low-cost and low ARPU devices.

The final day of IEEE ICC 2015 featured another day of tutorials and workshops highlighted by subjects such as Android Security, Cognitive Radios & Networks for Spectrum Coexistence, Smart Grids &
Renewable Energies and Dependable Vehicular Communications (DVC).

For additional information on IEEE ICC 2015, please visit http://www.ieee-icc.org/2015. Visitors are also invited to network with colleagues and peers as well as share their professional experiences through the conference Facebook, LinkedIn and Twitter pages.
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