



## **Leading Communications Experts to Address Global Wireless Technology & 5G Infrastructure Advancements at IEEE ICC 2014**

**Premier International Communications Conference to Host More Than 1,500 Business & Technology Presentations from June 10 – 14 in Sydney, Australia**

**New York, NY (February 19, 2013)** – Themed “Communications: The Centrepoint of the Digital Economy,” the next annual IEEE International Conference on Communications (ICC) will be highlighted by the presentations of leading communications experts addressing the latest worldwide advancements in voice, data, image & multimedia technologies.

Highlighting this year’s agenda, which will be held from June 10 – 14 in the dynamic cultural hub of Sydney, Australia, are the keynote presentations of industry authorities such as Rod Tucker, Emeritus Laureate Professor at the University of Melbourne and Dr. Chih-Lin I, Chief Scientist of Wireless Technologies at China Mobile. In addition, they will be joined by Prof. Bijan Jabbari of George Mason University, who will speak on “Wireless Evolution: From Connecting People to Connecting Machines”, and Prof. Rahim Tafazolli, Director of the Centre for Communications Systems Research (CCSR) and 5G Innovation Centre (5GIC) at The University of Surrey in the United Kingdom, who will address “5G New Infrastructure for Digital Economy and Connected Society.”

During his remarks on Wednesday morning, Dr. Jabbari will discuss the many advances in multimedia content delivery services, as well as the wireless technologies ranging from smart devices to the cloud, that have become staples of our daily lives. This includes the challenges posed by the next wave of innovative machine-to-machine applications and the resulting data traffic. Also reviewed will be the recent innovations in wireless technology and the main requirements that must be achieved to create a functional wireless ecosystem for our connected society and connected machines.

As part of his keynote, Dr. Tafazolli will speak about the need for a new approach to 5G, which is fundamentally different from previous generations of mobile cellular systems. Recommendations will be made about the strategic importance of next wave research innovations as well as the requirements and targets that must be set by standardization bodies and taken into consideration by national and international regulators.



Accompanying these addresses will also be nearly 1,500 presentations detailing the latest research and business policies surrounding the entire range of communications. This entails more than 2,000 industry professionals, scientists, academics and government officials attending five full days of original papers, tutorials, workshops, keynotes, business and industry forums and social events offered in one of the most beautiful cities in the world. Known as the Harbour City, Sydney is internationally renowned for its widespread amenities ranging from miles of ocean coastline and sandy surf beaches to its vibrant outdoor lifestyle and its world famous views of the Sydney Harbour Bridge and the Opera House.

“Sydney is an exceptional choice for our 2014 event,” says General Chair Farzad Safaei, Professor and Director, ICT Research Institute, University of Wollongong, Australia. “Each year, our organizers work tirelessly to ensure each new experience surpasses everything we’ve done in the past and provides attendees with an unrivalled educational and peer networking experience. Sydney, with all its natural beauty and culture, promises to furnish the backdrop for one of our finest and most technically-advanced conferences to date. We invite communications professionals from around the globe to join us at this wonderful locale and help forward the next wave of innovations that are sure to shape and continually reshape our lives for decades to come,” adds Prof. Safaei.

Officially opening on Tuesday, June 10, IEEE ICC 2014 will commence with a full day of workshops and tutorials dedicated to topics such as “Cooperative Near-Capacity Wireless System Design,” “Greening Core, Data Centre and Content Distribution Networks,” “M2M Communications and Next Generation Global IoT,” “Network Coding: From Theory to Practice,” “Small Cells: Capacity, Mobility and Energy Efficiency Perspectives,” “Wireless Physical Layer Security (WPLS),” “Massive Uncoordinated Access Protocols (MASSAP),” “Small Cell and 5G Networks (SmallNets),” “Communications in Underground and Confined Environments (Underground),” “Secure Networking and Forensic Computing (SNFC)” and “M2M Communications for Next Generation IoT (M2M).”

Throughout the course of the week, the conference will also host a wide range of technical and business presentations highlighting the entire range of global voice, data, image and multimedia technologies. For instance, last year’s event featured one dozen invited speakers as well as 10 industry & business panels discussing the latest developments in the “Quality of



End User Experience (QoE) for Network Services," "3D Multimedia for Entertainment," "Future Network Technologies," "Wireless Myths, Realities and Futures," "Cloud Computing & Communication," "The Internet of Things," "Inter-Vehicle Communication," "Collaborative Programs in Green Communications," "Horizon 2020: Europe's Major New Collaborative Research Programme" and "Wireless 100Gb/s and Beyond." Other areas to be explored during the venue's various sessions are:

- Selected Areas in Communications
- Wireless Communications
- Mobile & Wireless Networking
- Communication Theory
- Signal Processing for Communications
- Optical Networks & Systems
- Next-Generation Networking
- Communications, QoS, Reliability & Modeling
- Ad hoc & Sensor Networking
- Communications Software, Services & Multimedia Applications
- Communication & Information Systems Security
- Cognitive Radio Networks

At its conclusion, IEEE ICC 2014 will then host another full day of tutorial and workshops covering areas like "Wireless Powered Communication: Opportunities and Challenges," "Visible Light Communication in the Intelligent Transportation Systems," "Game-theoretic Methods for Device-to-Device Communications," "Distributed Mobility Management for Future Internet," "Designing Intelligent Energy Harvesting Communication Networks," "Fiber-Wireless Integrated Technologies, Systems and Networks (FWITSN)," "Advances in Network Localization and Navigation (ANLN)," "Advances in Public Safety and Emergency Communications (APSEC)," "Cooperative and Cognitive Mobile Networks (CoCoNet 4)" and "Energy Efficiency in Wireless Networks & Wireless Networks for Energy Efficiency (E2Nets)."

For ongoing updates on IEEE ICC 2014, please visit <http://www.ieee-icc.org/2014> or contact Heather Ann Sweeney of IEEE ComSoc at [h.sweeney@comsoc.org](mailto:h.sweeney@comsoc.org). All website visitors are also invited



to network with colleagues and peers, share their professional experiences through the conference's Facebook, LinkedIn and Twitter pages.

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.

# # # #