

San Diego, CA to Host IEEE GLOBECOM 2015

Leading Global Communications Conference to Showcase Next Generation Technologies & Innovations from December 6 – 10 in “America’s Finest City”

New York, New York (September 23, 2015) -- IEEE GLOBECOM 2015 (<http://globecom2015.ieee-globecom.org/>) will hold its 58th annual international communications conference from December 6 – 10 at the Hilton San Diego Bayfront Hotel in San Diego, California. Known as “America’s Finest City” due to its economic, cultural and scenic diversity, San Diego’s thriving information technology marketplace also makes it the ideal setting for this year’s premier event showcasing the entire communications spectrum ranging from mobile cloud computing and green ICT to 5G cellular and Internet of Things (IoT) networking services and applications.

“San Diego’s heritage in wireless communications is almost 110 years old. Over the past 50 years, San Diego has become one of the world’s premier centers of advanced communications technology” says Ed Tiedemann, IEEE GLOBECOM 2015 General Chair and Senior Vice President of Engineering at Qualcomm Technologies, Inc. “The City’s life sciences, communications and IT communities are booming with new opportunities. It also boasts a robust cross-section of diversity among the major technology sectors. This includes merging telecommunications with the latest innovations in biomedical equipment, computers and electronics to create endless possibilities for advancing business and the global quality of life.

Themed “*Connecting All Through Communications,*” IEEE GLOBECOM 2015 represents the essence of San Diego’s technology growth. We are dedicated to fostering advancements and stimulating interests that drive breakthroughs not only in research, but in practical, real-world solutions that make lives better. Thousands of researchers, professionals and academics are expected to join us in this quest, while attending hundreds of sessions presented by the world’s leading scientific authorities.”

IEEE GLOBECOM 2015 will begin Sunday, December 6 with the first of two full days of workshops and tutorials exploring topics such as “Fog Network and Internet of Things (IoT) in Wireless 5G Environments,” “Designing Next Generation Energy Efficient Wireless Networks,” “Towards 5G Internet of Things,” “5G & Beyond – Enabling Technologies and Applications,” “SmartGrid Resilience” and “Wireless Networking, Control & Positioning for Unmanned Autonomous Vehicles.”

On the following day, Monday, December 7, the conference will initiate three-days of executive forums, industrial panel discussions and technical symposia highlighting the entire spectrum of broadband, wireless, multimedia, data, image and voice communications. The conference’s keynote agenda will begin on Monday morning with Mark Dankberg, Co-Founder, CEO and Chairman of the Board of ViaSat, a San Diego technology firm selected to the Inc. 500 list of fastest growing private companies on three separate occasions. He will be followed by Eric Starkloff, Executive Vice President of Global Sales and Marketing of National Instruments, who will speak on “Transforming Traditional Design Paradigms in 5G Wireless Communications” and overcoming complex system challenges with software defined radio and new graphical approaches. Other leading speakers will include:

- Matt Grob, Executive Vice President, Qualcomm Technologies, Inc. and Chief Technology Officer, who will talk about “From 4G to 5G: The Evolution of Mobile Communication” and the arrival of LTE in unlicensed spectrum, expanded connectivity needs and new connectivity paradigms
- Ron Nersesian, President and CEO, Keysight, who will address “The Future of Test and Measurement for Commercial Communications” including the drive to further simulation,

measurement, and validation dimensions with an unprecedented emphasis on software and applications relating to network performance

- Seizo Onoe, CTO, EVP, Member of Board of Directors, and Managing Director of R&D Innovation Division of NTT DOCOMO, INC., who will cover “Evolution toward 5G and beyond” as well as the current status of LTE, LTE-Advanced and the latest technology trends
- Kenneth Stewart, Intel Fellow and Chief Wireless Technologist at Intel, who will talk about the “Future of Wireless Technologies – From 5G to IoT/MTC” and the development of new radio access technologies (RAT(s) focused on flexible and efficient physical layer frameworks: low power, low overhead and highly scalable multiple-access designs supporting massive IoT access; and efficient and flexible time and frequency domain multiplexing providing the optimal tradeoff between reliability, latency and efficiency
- Sachin Katti, Assistant Professor of Electrical Engineering and Computer Science at Stanford University, who will speak on “Full Duplex Radios: From Impossibility to Practice,” including issues related to self-interference cancellation and the cross-disciplinary nature of the research enabling the design and build of world LTE phones, spectrum slicing, WiFi channel aggregation, mesh networks and novel backscatter RF imaging applications

Monday through Wednesday, IEEE GLOBECOM 2015 will host a comprehensive technical symposia program offering oral and poster presentations with 1,000+ scientific papers, grouped into 12 thematic symposia, and more than 15 parallel sessions. For example, specific presentations will target next generation research in device-to-device communications, self-organizing networks, green communications and computing, millimeter wave communications, content centric network design, vehicular networks, Internet security, video streaming, data storage, game theory, routing and reliability, and big data networking, among hundreds of other topics.

Other highlights include the conference’s Industry Forum & Exposition (IF&E) composed of moderated business panels, demonstrations and poster presentations designed to promote new ideas, trends and product innovations, while facilitating peer networking opportunities. For instance, Wednesday afternoon’s Lightning Talks session moderated by Leonard Reder of JPL offers a lively, informal format for 20 separate presenters to address timely and pressing technical industry topics in brief, five-minute talks. Another prominent feature is the interactive demonstrations of leading communications corporations and researchers exploring areas such as 10Gbps E-band Radio Links, Dense Cooperative Wireless Cloud Networking, Intelligent Electric Vehicle Charging Systems (IEVCS) and Radio-as-a-Service 4G LTE Networks.

IEEE GLOBECOM 2015 will then conclude on Thursday, December 10 with another full day of tutorials and workshops targeting subjects like “Tactile Internet: Application, Challenges and First Solutions,” “On the ‘Cloudification’ of Mobile Core Networks,” “Smart Cities and the Vehicular Cloud: Next Generation Vehicular Networking as a Primary Building Block,” “LTE to Unlicensed Bands,” and “Green Standardization and Industry Issues for ICT and Relevant Technologies.”

For more information about IEEE GLOBECOM 2015 including program updates and registration information, please visit <http://globecom2015.ieee-globecom.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.

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