

IEEE GLOBECOM 2013 to Feature Industry Forum & Exhibition Dedicated to Latest NFV & Communications Technology Advancements

IEEE

New York -- [IEEE GLOBECOM 2013](#) [1], the international conference dedicated to global communications, will host its 56th annual event in historic Atlanta, Georgia.

Held from December 9 – 13, 2013 at the Downtown Atlanta Hilton and Towers in Atlanta, Georgia, the comprehensive schedule for IEEE GLOBECOM 2013 will include more than 1,500 presentations offered under the Power of Global Communications theme. Throughout the five-day international conference, hundreds of leading technical and business communications authorities will provide their insights and share their global expertise in key research areas ranging from next generation broadband, wireless, multimedia, image, and voice advancements to e-Health, Internet of Things (IoT), game theory, power-line, satellite, space, green, and social networking communications.

After a full day of tutorials and workshops on Monday, December 9, IEEE GLOBECOM 2013 will then officially commence on Tuesday, December 10 with the first of three days filled with emerging technology technical symposia, panel sessions, demonstrations, works-in-progress and industrial fora. Already included within this comprehensive agenda are the keynotes of:

- Jessica Rosenworcel, Commissioner, Federal Communications Commission (FCC), who will speak on “Wireless Communications: A Regulatory Perspective” and how the government can encourage innovation and network topology breakthroughs.
- Lew Tucker, Vice President and Chief Technology Officer of Cloud Computing at Cisco, who will discuss “Cloud Computing and the Promise of Networking-as-a-Service,” the emergence of cloud computing platforms, and the development of network-centric platforms enhancing the delivery of elastic, software-based network services.
- Branko Bjelajac, who will speak on “Information and Communication Technology – A Key Enabler of Smart Grid Innovation” and its role in transforming and modernizing the sustainability, production, distribution, and consumption of electricity on a global scale.

Another significant event scheduled for the conference’s opening day will be the “Dialogue with Industry Leaders” to be held Tuesday evening and moderated by Technology Association of Georgia President, Tino Mantella. Featuring the CTOs of several corporations headquartered in Atlanta like AT&T, Coca-Cola, and Home Depot, this panel will feature the perspectives of these senior executives on current and future communications technology needs as well as a special Q&A with area

High School students.

Other milestones will include the Industry Forum & Exhibition (IF&E) Program, which was specifically designed to explore the latest scientific research in the field of communications and the related business, personal, and societal implications. In addition to nearly 30 different sessions, the IF&E program will showcase three days of Network Functions Virtualization (NFV) research demonstrations highlighting the latest novel approaches for overcoming the inflexibility, high power consumption, operational complexity, and hardware obsolescence issues found in today's network infrastructures.

Held in conjunction with the NFV demonstration program will also be three full days of IF&E sessions dedicated to topics such as:

- Smart Grid Standardization, the applications of communications technology and the role of standards to energy infrastructure
- What is TV White Space and how can it be used? and the discussion of TV white space issues faced worldwide and the market opportunities impacting their commercialization
- Smart Metering: Enabling Communications and Associated Security and Privacy Challenges including AMI challenges, different candidate solutions, the privacy of appliance load data and utility efficiencies
- Current Challenges with Cyber Security in Software Defined Networks and a review of key industry questions like: What are the new classes of threats and risks?; What is the need for a new class of solution?; and How are carriers, enterprise organizations, security companies and researchers keeping pace with the challenge?
- Hands-on Education and Training with Software-Defined Radio including first-hand accounts designed to help university educators and industry trainers to use software-defined radio (SDR) as an instructional tool in undergraduate courses, graduate courses, and capstone design projects
- Engineering the Multi-service Architecture Evolution including a roadmap for flexible, responsive networks that capably handle the demands of millions of new and diverse devices
- Millimeter Wave Wireless Communications: The Ultrawideband Frontier and the use of millimeter wave spectrum bands for the delivery of fixed and mobile data in both cellular and indoor/personal area networks of the future
- Communications Policy in 2014 and Beyond: How will Federal Policy Impact the US Telecom Sector's Place as a Technology Leader with a discussion of how recent policy initiatives have shaped the nation's role as a technology leader as well as its impact on future innovation
- Patents, Patent Trolls and Trade Secrets and the methods for helping scientists and business people to protect their inventions and corporate assets
- Next Generation 4G/5G Cellular Networking, which will explore the key technological developments defining the current practices and near-term future of wireless technologies
- Mobile Communication Beyond 2020: What Is 5G? which will explore 5G

system challenges such as energy efficiency, diverse network topologies, multi-node communication, ubiquitous computing, and integrated Internet and mobile communication services

- IPv6 goes Mobile with experts discussing global IPv6 issues, the latest deployment models and the benefits to end-users and service operators
- The Internet of Humans and Machines, which will examine the rapidly increasing number of machines connected to the internet and their ability for advanced sensing and processing environmental information
- Programmable Cloud Networking including the various application and service requirements confronting present and future Cloud Computing environments as well as related reliability, architecture, standardization and economic challenges
- Internet Governance – Why should the technical community care and where do they fit in?

Furthermore, the Industry Forum & Exhibition (IF&E) will also highlight the latest technological introductions and innovations of world-class corporations. This year's patrons and exhibitors include communications industry leaders like Samsung, AT&T, Ciena, Cisco, BEEcube, Landis+Gyr, National Instruments, the Georgia Tech Research Institute, Toshiba, NTT DOCOMO, Ranplan, IEEE Cloud Computing, the Technology Association of Georgia (TAG), Cambridge University Press, and the Broadband Forum.

IEEE GLOBECOM 2013 will then close its technology, industry and business presentations on Friday, December 13 with another day of workshops and tutorials highlighting subjects like online learning, energy harvesting, network gaming, and mobile communications.

For more information on IEEE GLOBECOM 2013, including registration details and conference updates, please visit www.ieee-globecom.org/2013 [1]

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Links:

[1] <http://www.ieee-globecom.org/2013>