



IEEE COMSOC TECHNICAL ACTIVITIES AND INDUSTRY OUTREACH

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Green ICT Initiative

► Objectives:

- Foster inter-Society collaboration to build a holistic approach to sustainability
- Diversify IEEE membership through outreach to non-traditional IEEE communities
- Grow IEEE's influence and visibility in international forums

► Desired Outcomes:

- Establish new publications to promote multidisciplinary approaches to Green ICT Metrics in IEEE fields
- Establish or enhance conferences and workshops to share knowledge about Greening of/by ICT
- Develop IEEE standards to formalize IEEE expertise and leadership in tangible ways
- Develop training and awareness material to improve IEEE member knowledge and engagement
- Engage broader Green ICT community through a rich content portal and Technical Community

Green ICT Initiative

► YTD Accomplishments:

- Three working groups defined to develop standards from 9 PARs; potential to productize “Green Label” certification based on compliance
- First Transactions issue published 3/17
- Strategic framework options identified for transition
- Greening through ICT Summit scheduled
- Community membership increased 10%

► Next Steps:

- Open Summit registration
- Finalize and operationalize transition plan

IoT Initiative

► Objective and Desired Outcome:

- To serve as the gathering place for the global technical community working on the Internet of Things; to provide the platform where professionals learn, share knowledge, and collaborate on this sweeping convergence of technologies, markets, applications, and the Internet, and together change the world.

► YTD Accomplishments:

- Transitioned from FDC into a community of 21 societies/councils/OUTs within TAB, with ComSoc as lead sponsor
- Technical community has grown 7% YTD
- Membership in Internet Talent Consortium for stronger industry interaction
- Initial participation in target conferences (curriculum workshop at ICAASP2017, panel participation at OFC2017, three-part track programming at CQR2017)
- More than 20 additional events in pipeline for 2017-18, including Vertical and Topical Summit for Agriculture May 2017; WF-IoT February 2018

IoT Initiative

► Next Steps:

- Complete and populate volunteer structure
- Recruit members for IoT Advisory Council and prepare for first meeting.
- Execute on remaining pipeline events, including those with longer lead times (WF-IoT 2019 and 2020)
- Seek additional funding, including long-term patrons

5G Initiative

► Objective and Desired Outcome:

- To aggregate information about the various endeavors occurring worldwide in order to provide a community of professionals in industry, academia, and government working to solve the challenges associated with 5G.

► YTD Accomplishments:

- Kicked off a roadmapping effort aimed at establishing a dominant reference for future wireless designs independent of specific standards-defining organizations
- Whitepaper as first embodiment of this roadmap expected to be completed in June
- Kicked off series of in-depth, on-site tutorials

ComSoc-Driven Summits & Community Events

Location	Date	Participants		Industry Sponsors/ Exhibits	Speakers
		Onsite	Streaming		
Patna, India	March 29, 2016	180	N/A	11	18
Aalborg, Europe	July 1, 2016	150	N/A	4	29
Austin, USA	August 3, 2016	250	900	N/A	18
Dresden, Germany	September 29, 2016	400	N/A	21	29
Tianjin, China	October 29, 2016	160	N/A	2	10
Berlin, Germany	November 2, 2016	150	N/A	3	23
Seattle, USA	November 5, 2016	110	290	8	16
New Delhi, India	December 2, 2016	99	N/A	N/A	19
Lisbon, Portugal	January 19, 2017	208	500	19	25
Kolkata, India	March 17, 2017	200	700	TBD	29

Industry Speakers/Panelists

- › Airbus Group
- › Alcatel Lucent
- › Altera
- › Altice
- › Amdocs
- › AT&T
- › Bell Canada
- › Cadence
- › China Mobile
- › Ciena
- › Cisco
- › Deutsche Telekom
- › Ericsson
- › Facebook
- › Google
- › Huawei
- › IBM
- › Integrated Device Technology
- › Intel
- › Keysight Technologies
- › National Instruments
- › NEC
- › Nokia
- › NTT DOCOMO
- › Qualcomm
- › Rohde & Schwarz
- › Samsung
- › Sprint
- › Telecom Italia
- › Telefonica
- › Telus
- › T-Mobile
- › Toshiba
- › Toyota
- › Vodafone
- › Volkswagen
- › XILINX

Certification and Professional Education

▶ Customers remain highly satisfied

- Overall customer satisfaction is 88% in top two ratings

▶ Exploring ways to maintain leadership position

- Position relevant WebEx courses around conferences, magazine special issues
- Bundle training with like products (sponsored tutorials, webinars) covering subjects of interest
- Explore new ways to deliver training (on demand via new platforms and/or by adding on to existing platform)
- Offer live training in different time zones
- Explore partnerships (third parties and within IEEE)
- Concerted effort to refresh catalog
- Review of certification program