



IEEE COMSOC TECHNICAL ACTIVITIES AND INDUSTRY OUTREACH

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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.

▶ Recent Accomplishments:

- Successful workshop in partnership with RWW conference
- IEEE 4th World Forum on Internet of Things (WF-IoT) in Singapore saw record number of attendees, sponsors, and exhibitors
 - 5th WF-IoT scheduled for April 2019 in Limerick, Ireland
- IoT Vertical and Topical Summit for Agriculture, May 8-9, Tuscany
- Magazine Phase 1/2 proposal approved
- Community membership up 19% from 2016-2017

▶ Next Steps:

- Finalize slate of second-half activities
- Launch first issue of magazine in September

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

▶ Recent Accomplishments:

- Greening through ICT Summit held in Paris 10/17
 - Output is whitepaper on challenges and solutions for developing sustainable ICT products and infrastructure
- Three working groups defined to develop standards from 9 PARs; potential to productize “Green Label” certification based on compliance
- Community membership up 12% from 2016-2017; ~3,900 ComSoc membership prospects
- Training and awareness material includes “Designing the Green Internet” (ComSoc course); “Greening Cloud & Virtualised Communication Networks” (GLOBECOM 2017 tutorial)
- First Transactions issue published 3/17; ComSoc BoG approved Phase 1 proposal for Sustainable ICT Magazine

▶ Next Steps:

- Finalize and operationalize ComSoc integration (IES is also an investor)
- Secure whitepaper sponsorship and publish
- Finalize date(s) for next Summit
- Complete rebranding from “Green ICT” to “Sustainable ICT”

SDN, Big Data Initiatives

- ▶ Graduated initiatives are being integrated this year
- ▶ Together, these communities have >10,000 members who are not ComSoc members
 - 2016-17 membership increased 29% for Big Data, 20% for SDN
- ▶ These communities also provide incremental revenue opportunities and new-volunteer pools
 - SDN Learning modules
 - Big Data training in progress
 - NetSoft conference
 - Data analytics competitions
 - Podcasts, whitepapers

5G / Communications Futures

- ▶ These account for the lion's share of ComSoc summits
 - Communications Futures format introduced in January summit in Honolulu; 5G and beyond, IoT, optical, and cybersecurity were key themes
 - Connected and Automated Vehicle Summit with emphasis on 5G held in February in Santa Clara in partnership with VTS
 - 5G Summit at IMS scheduled for June 12
- ▶ Design of new summit format in progress via ComSoc Industry Outreach Board
 - Focus on membership
 - Chapter partnership will be sought to expand industry engagement

Certification and Professional Education

- ▶ January-April 2018 training revenue and attendance up versus like 2017 period
- ▶ ComSoc honored with IEEE EAB Society/Council Professional Development Award
- ▶ Exploring ways to maintain leadership position
 - Positioning relevant WebEx courses around like-themed products (conferences, magazine special issues)
 - Partnerships (third parties and within IEEE)
 - Concerted effort to refresh catalog, including courses going beyond core wireless focus and covering “soft skills”
 - Reviewing/refreshing WCET exam

Questions?