IEEE International Workshop on Green Standardizations for ICT and Relevant Technologies (GSICT) in GLOBECOM 2015

I. TITLE OF THE WORKSHOP

IEEE International Workshop on Green Standardizations for ICT and Relevant Technologies (GSICT)

II. WEB SITE

http://www.ieee-gsict.org/2015/

III. FORMAT OF THE WORKSHOP:

We would like to have two or three keynote/plenary/invited talks and one technical panel.

The workshop is sponsored by the following sponsors:

- IEEE Communications Society
- IEEE Technical Committee on Green Communications and Computing
- IEEE Research Project on Vision for Green ICT Standardizations
- IEEE Tecnhical SubCommittee on Big Data

IV. CALL FOR PAPERS

IEEE International Workshop on Green Standardizations for ICT and Relevant Technologies (GSICT)

Organized in conjunction with **IEEE Global Communications Conference (GLOBECOM 2015)**

[Important Dates on US EDT]

- Paper submission deadline: July 1, 2015
- Paper Acceptance Notification: September 1, 2015
- Camera Ready papers due: October 1, 2015

This workshop is to collect results and visions of standards, regulations and public policies on global green revolutions relevant to information and communication technologies (ICT) and other relevant issues, including both the impact of ICT on the environments and the impact of environments on ICT. This workshop will exchange views on issues of strategic importance such as environmental protections, resource efficiency, climate changes, and energy efficiency, and how ICT can help boost the transition to an environmentally-friendly economy. Environmental sustainability for the ICT sector has impacted and will continue impacting the industry's reaction to the outcomes of the United Nations Conference on Sustainable Development (Rio+20). The current world would not survive without information and communication technologies, whose widespread use has changed people's lives dramatically and boosted economic growth. However, the very success of these technologies has made them a growing contributor to various environmental impacts. At the same time, they may offer ways of reducing negative environmental impacts in other industries such as water resource management, air pollution reduction, energy generation, building and transport. This workshop may also provide guidance on green ICT procurement, detailing green principles to be applied when procuring goods, products and services. Another issue considered in this workshop is greening ICT supply chains relating to conflict minerals, and the way the ICT industry is managing its supply chain in that context. This workshop may also investigate the overall sustainability of lifestyle choices, a number of companies may have responded by providing consumers with information on the eco-impact of the products they buy and use.

The IEEE International Workshop on Green Standardizations for ICT and relevant Technologies (GSICT) would be initiated as a forum for scientists, engineers, standardization professionals, policy makers, researchers, practitioners, and students to present their latest research results, visions, ideas, developments, surveys in green standardizations in ICT and relevant technologies that can support existing and future developments and efforts and promote global green revolutions. Researchers and professionals are encouraged to submit original relevant contributions in all major areas, which include, but not limited to:

- Green standardizations for systems, devices, interfaces, adapters
- Visions, ideas, roadmaps, and solutions on green standardizations for ICT and relevant technologies
- Test suites for assessment of green standardizations and solutions
- Green battery solutions
- Green standardizations for computing and information technologies
- Green standardizations for electronics
- Green standardizations for Internet of things
- Green standardizations for smart grids
- Green standardizations for communications and networking
- Procedure for recycling materials in information and communication technology goods
- Measurement methods to characterize rare metals in information and communication technology goods
- Best practices for green data centers and cloud computing
- Energy and resource efficiency metrics and measurement
- Standardizations for green offices and buildings
- Overview and general principles of methodologies for assessing the environmental impact of information and communication technologies
- Methodology for environmental life cycle assessment
- Methodology for energy consumption and greenhouse gas emissions impact assessment of information and communication technologies in organizations
- Framework for information and communication technologies and adaptation to the effects of climate change
- Life-cycle management of ICT goods
- Surveys on any topics of green standardizations

[Submission Procedure] Submitted papers must represent original material which is not currently under review in any other conference or journal and has not been previously published. Paper length should not exceed five-page standard IEEE

conference two-column format (including all text, figures, and references). Please see the Author Information page for submission guidelines in the IEEE GLOBECOM 2015 web site http://globecom2015.ieee-globecom.org/. All submitted papers will go through a peer review process. All accepted and presented papers will be included in the IEEE GLOBECOM 2015 proceedings and IEEE digital library. IEEE reserves the right to exclude an accepted and registered but not presented paper from the IEEE digital library.

[Organizing Committee]

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