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IMPORTANT DATES

Submission Deadline: September 30, 2016

Author Notification: October 31, 2016

Final Manuscript Due: November 15, 2016

Registration Due: November 15, 2016

Symposium Day: December 15-18, 2016

SUBMISSION and PUBLICATION

Papers need to be prepared according to the IEEE
format, and submitted in PDF format via the
GreenCom_2016 submission site:

<http://umc.uestc.edu.cn/conference/cybermatics2016/GreenCom2016/paper-submission.php>

Accepted and presented papers will be included into
the IEEE Conference Proceedings published by IEEE CS
Press (indexed by EI). Authors of accepted papers, or
at least one of them, are requested to register and
present their work at the conference, otherwise their
papers will be removed from the digital libraries of
IEEE CS and EI after the conference. Please visit the
GreenCom 2016 website

<http://umc.uestc.edu.cn/conference/cybermatics2016/GreenCom2016/special-issue.php> for the complete
listing of all the journals.

Computer networks, communication systems, and other IT infrastructures have caused severe environmental problems by consuming significant amounts of power, increasing greenhouse gas emissions, and lead to pollution during the production and disposal. To reduce such environmental problems and create a sustainable environment, new energy models, algorithms, methodologies, platforms, tools and systems are pressing. Thus, green computing and communications solutions should be designed with more renewable energy, higher energy efficiency, lower greenhouse gas emission, and less harmful materials.

The 2016 IEEE International Conference on Green Computing and Communications (GreenCom 2016) will be an exciting international forum for scientists, engineers, and researchers to exchange their novel works regarding advancements in the state-of-art of green computing and communications, as well as to identify the emerging research topics and open issues for further researches.

GreenCom 2016 will be held on 15-28 december 2016 in Chengdu, Sichuan,China, co-located with iThings 2016, Smart Data 2016 and CPSCOM 2016. It aims to bring together computer scientists, industrial engineers, and researchers to discuss and exchange experimental and theoretical results, novel designs, work-in-progress, experience, case studies, and trend-setting ideas in the areas of dependability, security, trust and/or autonomic computing systems. Topics of particular interests include the following tracks, but are not limited to:

Track 1. Green Computing and Communication Technologies

- Green infrastructure sustainable design and technologies
- Energy- and power-constrained devices and gateways
- Ultra-low power systems architectures
- Low-power, distributed data processing on sensors
- Energy-efficient M2M wired and wireless communications and networking
- Optimization and/or analysis in green computing and communications (including core network optimization)
- Green big data architecture
- Green cloud computing
- Energy efficient networking, communication and protocols
- Energy efficiency in networking, wireless networks and vehicular networks
- Energy efficiency in data centers and large-scale data processing
- Measurement and modeling of energy consumption
- Standardization and benchmark

Track 2. Smart Energy and Smart Grid

- Smart metering infrastructure and technologies
- Large-scale monitoring, control and demand response
- Advanced data fusion, mining and modeling in smart grid
- Management and control of distributed energy generation, storage and consumption
- Advanced smart grid applications: grid-to-vehicle and vehicle-to-grid, Micro-grid
- Renewable energy generation and new energy sources
- Standardization and benchmark

Track 3. Green Society Applications

- Smart sensing systems
- Smart city
- Green vehicle, green home, green buildings and green anything
- Green industrial automation and control
- Intelligent Transport Systems and control