

Workshop on Green Information and Communications Technologies

Monday Sept. 3rd, 2012, Québec
An IEEE VTC'2012 Fall Workshop



Call for papers

Green Information and Communications Technologies (Green ICT) offer not only a potential energy efficiency market of 800G\$ per year but also the capability to eliminate up to 15% of the world's greenhouse gas emissions which represents another economic opportunity in the emerging 21st century, carbon economy. Realizing this potential will require significant technology advances in the realm of greening ICT infrastructures (including mobile and wireless communications networks) as well as in greening, through ICT, various sectors of human activity such as through intelligent transport systems (ITS).

The goal of the IEEE VTC 2012 Fall Workshop on Green ICT is to disseminate the most recent original research results and industrial advancements in Green ICT areas of particular interest to the VTS such as green wireless communications networks and intelligent transport systems. Submissions from academia, industry and government agencies sectors are expected.

Areas of interest include, but are not limited to:

- Energy-efficient radio transmission technologies;
- Energy efficiency vs. carbon-emission vs. QoS trade-offs;
- Virtualization of wireless access;
- Dynamic reconfiguration of virtualized cellular networks;
- Performance metrics;
- Energy models for cellular networks;
- Collaborative power and transmission rate control in wireless networks;
- Carbon-aware and energy-aware network planning;
- Green heterogeneous wireless networks;
- Carbon emission evaluation models and methodologies for wireless networks;
- Vehicular ad-hoc and sensor networks;
- Heterogeneous vehicular networks;
- Wireless fleet management and tracking systems;
- ITS applications with positive environmental impacts.

Important dates

Submission deadline:

12 April 2012

Acceptance notification:

14 May 2012

Final paper due:

11 June 2012

Submission information

Prospective authors are invited to submit a 5-page full paper through the Workshop on Green Information and Communications Technologies website:

vtc12f-workshops.trackchair.com/track/1037.

This workshop is part of VTC'2012 Fall, and peer-reviewed contributions will be published in the proceedings and in IEEE Xplore.

Organizers

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