SoftCOM 2011

19th International Conference on Software Telecomunications and Computer Networks

Split – Hvar - Dubrovnik, Croatia, September 15 – 17, 2011

Symposium on:

GREEN NETWORKING & COMPUTING

Symposium Co - Chairs:

Antonio Capone and Josip Lorincz

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Call for Papers

Symposium on "Green Networking and Computing" will be held in the frame of the 19th International Conference on Software, Telecommunications and Computer Networks (*SoftCOM 2011*) technically co-sponsored by the IEEE Communication Society (ComSoc), in attractive ambience of the Croatian side of Adriatic coast in September 2011.

The topic of "Green networking" attracts growing attention due to economical and environmental reasons. The amount of power consumed by ICT which is rapidly increasing, as well as the energy bill of service providers contributes to the economical reasons. According to a number of studies, ICT alone is responsible for a percentage which varies from 2% to 10% of the world power consumption, due to the ever increasing diffusion of electronic devices. Communication networks, including the Internet and wireless networks, represent a non negligible part of the energy consumption of ICT. In addition, the carbon footprint of ICT devices due to energy consumption and the activities related to their entire lifecycle contributes to global warming.

In the very last years, energy saving techniques are being considered for communication networks with new generation devices and network management approaches exploiting algorithms and protocols for adapting the network to the varying traffic load. The Symposium on "Green Networking and Computing" aims to serve as a platform for researchers and visionaries from academia, research labs, and industry from all over the world. Sharing ideas, views, results, and experiences in the field of green wired and wireless networking is what "Green Networking and Computing" Symposium intend to be about. Anything from theoretical and experimental achievements, to innovative design and management approaches, prototyping efforts, and case studies is of interest.

Topics of interest include, but are not limited to the following:

- Power consumption models of networking infrastructure
- Power measurements and data from empirical studies of communication networks
- Techniques for reducing power consumption in data centers
- Hardware and architectural support for reducing power consumption
- Energy efficient network management
- Green network design
- Applications of green networking technologies and principles
- Cross-layer optimizations for reducing energy consumption
- Optimization of energy consumption in optical networks
- Energy-efficient protocols and protocol extensions
- Energy-efficient transmission technologies
- Energy-efficient peer-to-peer networking and overlays
- Energy-efficient cloud computing
- Green wireless access networks
- Green wired access network
- Green future Internet
- Energy cost models for network operators

International Symposium Committee

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IMPORTANT DATES

Complete manuscript due	July 7, 2011
Notification of acceptance	July 15, 2011
Camera-ready manuscript	Sept. 1, 2011

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More information about the Conference including details on the submission process and authors kit is available on the website:

http://www.fesb.hr/SoftCOM

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