



First International Workshop on Sustainable Internet and Internet for Sustainability

June 20, 2011
LUCCA (Tuscany), ITALY

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CALL FOR PAPERS

In the last years, the increasing social awareness about the need for containing energy consumption within sustainable rates has caught the interest of both the industrial and academic communities. In this scenario Internet, and more generally ICT, may play a twofold role, being both a significant energy consumer and a potential actor in steering a more clever overall usage of the energy resources.

Both aspects of the problem raise interesting scientific challenges and require a comprehensive effort and inter-disciplinary research at all levels of abstraction. The goal of this workshop is to bring together people from different research areas, and provide a forum to exchange ideas, discuss solutions, and share experiences among researchers, professionals, and application developers both from industry and academia.

Original papers addressing both theoretical and practical aspects of energy-awareness for Internet-based systems, and the design of distributed systems for eco-sustainability are solicited.

Topics of interest include but are not limited to:

- Power-aware Internet applications
- Energy-efficient network architecture and protocols
- Power-aware middleware and software
- Resource management for power optimization
- Energy efficiency and Quality of Service
- Energy efficiency and reliability
- Power management and energy-efficient design
- Algorithms for reduced power, energy and heat
- Pervasive computing for energy efficiency
- Energy efficiency in large-scale distributed systems
- Energy-efficient data centers
- Energy-efficient buildings
- Energy efficiency in industrial environments
- Advances in energy savings thanks to ICT
- Sustainability achievements due to ICT-based optimization
- Monitoring tools for power and performance
- Modeling and performance evaluation of green computing systems
- Measurements

EDITORIAL FOLLOW-UP

Papers of particular merit will be considered for a possible fast-track publication in the Elsevier Journal of **Computer Communications** ([COMCOM](http://www.comcom.org)).

SUBMISSION GUIDELINES

All submissions will be handled electronically. Papers must be written in English and should not exceed 6 pages in IEEE proceedings style. Authors should prepare a PDF file strictly following the instructions available on the workshop web site. Accepted papers will be published as part of the conference proceedings. At least one author of each accepted paper must register and attend the conference to present the paper.

Important Dates

Paper submission: **Extended!**

January 31- February 14, 2011

Notification of acceptance:

March 28, 2011

Camera ready due:

April 20, 2011

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