



# The Second IFIP Conference on Sustainable Internet and ICT for Sustainability

sponsored by the IFIP TC6 WG 6.3: "Performance of Communication Systems"



Technically Co-Sponsored by



Technical Committee on Computer Communications (TCCC)

In cooperation with Technical Subcommittee on

Green Communications and Computing of IEEE Communications Society (TSCGCC)

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October 4 – 5, 2012 - Pisa, Italy



## 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 usage of 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 conference 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 ICT solutions for eco-sustainability are solicited.

Topics of interest include, but are not limited to:

- Green Internet
- Power-aware Internet applications
- Green wireless networking
- Energy-efficient network technologies
- Cross-layer optimization for green networking
- Standards and metrics for green communications
- Energy-efficient management of network resources
- Energy efficiency in data centers
- Energy efficiency, Quality of Service, and reliability
- Algorithms for reduced power, energy and heat
- ICT for energy efficiency in buildings
- ICT for sustainable smart cities
- ICT for sustainable transports and logistics
- ICT for green mobility
- ICT for energy efficiency in industrial environments
- ICT for smart grids
- Sustainability achievements due to ICT-based optimization
- Energy consumption measurements, models, and monitoring tools
- Measurement and evaluation of the Internet sustainability
- Test-bed and prototype implementations.

### Editorial Follow-up

The best paper presented at the conference will receive the Best Paper Award. Papers of particular merit will be considered for a SPECIAL SECTION/ISSUE in the Elsevier Journal of COMPUTER COMMUNICATIONS.

### Paper Submission

All submissions must describe original research, not published or currently under review for another workshop, conference, or journal. Papers must be submitted electronically through EDAS. Submission implies the willingness of, at least, one author to register and attend the conference to present the paper. The organizers reserve the right to exclude a paper from distribution after the conference if the paper is not presented at the conference.

## Important dates

### Registration Deadline:

**EXTENDED TO May 3, 2012**

### Submission Deadline:

**EXTENDED TO May 3, 2012**

### Acceptance Notification:

**EXTENDED TO July 15, 2012**

For more information: <http://cnd.cnr.iit.it/sustainit2012>



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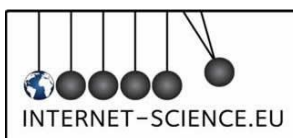
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Energy Efficiency in Large-scale  
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