

International Workshop:

European Actions towards Eco-friendly Data Centers 2013

co-located with the Third International Conference on Cloud and Green Computing (CGC 2013)

30 September 2013 - Karlsruhe, Germany

Workshop Chairs

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Important Dates

Paper submission
16 June 2013

Notification of acceptance
19 July 2013

Camera-ready papers
12 August 2013

The workshop is organized by the consortium members of three EC FP7 projects focused on energy-efficient data centers:



About EuroEcoDC

The carbon footprint of data centers has dramatically increased over the past few years, making data centers one of the major contributors to energy consumption and climate change. For this reason, it is necessary to come up with efficient solutions – from both the hardware and software perspective – to tackle this issue, which is a real challenge for all experts working in the field of Green IT. Several European projects dealing with different aspects of this problem are currently active, and it is time to create synergies in order to make them yet more successful.

The main goal of this workshop is to present and discuss European initiatives concerning energy-efficiency in data centers, including both infrastructure- and software-oriented solutions. Research papers in this area are welcome. The workshop will feature two prestigious keynote speakers, as well as several academic and industry papers related to the three organizing projects (All4Green, CoolEmAll and Eco2Clouds).

Submissions

All full-paper submissions, which should not exceed 8 pages, must represent original and unpublished work. Accepted and presented papers will be included in the IEEE Conference Proceedings published by IEEE CS Press (indexed by EI).

More information about the paper submission process can be found on the workshop website: www.all4green-project.eu/EuroEcoDC

Topics of interest

- » Energy-efficiency of data center operations optimization
- » Novel data center energy-efficiency metrics
- » Tools to support data centers design and planning
- » Zero-consumption power supplies, including cooling
- » Energy- and cost-effectiveness of decision support systems
- » Simulation and visualisation of data centres, including cooling and heat re-use
- » Energy-efficient resource management methods in data centers
- » Energy re-use for space heating and cooling
- » High-efficiency power distribution DC architectures
- » Reliable incorporation of renewable energy sources into data center infrastructures
- » Green SLAs and end user engagement
- » UPS energy efficiency