

Call for Papers



1st International Workshop on Energy-Efficient Data Centres

Co-located with the Third International Conference on
Future Energy Systems:
Where Energy, Computing and Communication Meet
(e-Energy 2012)

May 8, 2012 -- Madrid, Spain

<http://events.networks.imdea.org/content/e-energy-2012/e2dc-workshop>

Important Dates

Paper submission (full papers):

~~10.1.2012~~ 27.1.2012 23:59 EST

Notification of acceptance:

25.3.2012

Submission of camera-ready
papers:

13.4.2012

Workshop Chairs

Jyrki Huusko, VTT Technical
Research Centre of Finland,
Finland

Hermann de Meer, University of
Passau, Germany

Publication Chairs

Sonja Klingert, University of
Mannheim, Germany

Andrey Somov, CREATE-NET, Italy

Technical Program Committee

Colin Atkinson (University of
Mannheim, Germany)

Robert Basmadjian (University of
Passau, Germany)

Ivona Brandic (Vienna University
of Technology, Austria)

Christian Bunse (University of
Stralsund, Germany)

George Da Costa (Université Paul
Sabatier, Toulouse, France)

Erol Gelenbe (Imperial College
London, Great Britain)

Giovanni Giuliani (HP, Italy)

Xavier Hesselbach-Serra
(Universitat Politècnica de
Catalunya, Spain)

Jussi Kangasharju (University of
Helsinki, Finland)

Bastian Koller (High Performance
Computing Centre Stuttgart,
Germany)

Gregor von Lazewski (Indiana
University, USA)

Barbara Pernici (Politecnico di
Milano, Italy)

Tuan Anh Trinh (Budapest
University of Technology and
Economics, Hungary)

Athanasios V. Vasilakos (National
Technical University of Athens,
Greece)

The energy consumption of data centres offering all kinds of services such as cloud services, high performance computing, and traditional storage and data management in global organizations is increasing exponentially. For the sustainable development of ICT technology, new solutions for energy-efficient computing are needed in various technology fields. Especially the data centres play a big role in targeting energy-efficient and low-carbon economic development.

The E²DC aims to increase the international awareness of energy-aware data centre technologies and to allow the exchange of ideas and interaction among the different researchers in the topic. The scope of the workshop reaches from research on green data centre technologies varying from the information and communication technologies to business models and Green SLA solutions.

The workshop invites original papers that were not previously published and are not currently under review for publication elsewhere. Topics include, but are not limited to:

- Energy-aware communication and network solutions for data centres
- Energy-aware cloud and high performance computing solutions
- Energy-aware data storages and reservoirs
- Scalability of federated data centres
- Large scale simulations
- Energy-aware data centre infrastructures and architectures
- Novel business models of green ICT and data centres
- Energy optimization algorithms and models
- Green SLAs
- Green computation and services
- Standardization

Submission and publication of the work

The workshop is arranged in conjunction with e-Energy 2012 conference and will be held in Madrid on May 8th, 2012.

The post-proceedings will be published by Springer in their [Lecture Notes in Computer Science \(LNCS\)](#) series. The Springer "LNCS Proceedings" style should be used for submission. Templates for LaTeX and Word are available at [LNCS webpage](#). At least one of the authors of each accepted paper must attend E²DC to present the paper. Two of the accepted papers are also expected to be presented at the e-Energy 2012 conference and included in the ACM digital library.

Submissions should be full-length papers up to 12 pages using the LNCS style (including figures, references, and a short abstract). Full papers should describe original research results. All the E²DC papers are to be submitted via EDAS: <http://www.edas.info/N12083>