



## 5th International Conference on Energy Efficiency in Domestic Appliances and Lighting (EEDAL'09).

June 16 – 18, 2009 in Berlin, Germany.  
First Announcement and Call for Abstracts.

## Introduction.

Private households are responsible for a large share of global energy and electricity consumption and the related CO<sub>2</sub>-emissions into the atmosphere. Residential energy demand is also rapidly increasing, due to larger homes, new services and additional appliances, putting a strain on the economies and energy infrastructures of both developed and developing countries.

Energy efficiency improvements in residential appliances, heating and cooling equipment, ICT equipment and lighting can play a key role in assuring a sustainable energy future and socio-economic development, and at the same time mitigate climate change. Energy efficiency measures related to residential appliances, heating equipment and lighting are in most cases cost-effective CO<sub>2</sub>-emissions reduction actions, and offer good opportunity to increase the security and reliability of energy supply. In developing countries efficient residential appliances and lighting are vital to improve living conditions and reduce local pollution.

These themes are echoed in a growing number of policy commitments and in strategies calling for action at local, regional and global levels. The challenge, now, is to encourage all stakeholders to increase the supply of and demand for energy efficient residential equipment.

Stakeholders as governments, consumers, manufacturers, retailers, international organisations and agencies, academia and experts have already gathered four times at the International Conference on Energy Efficiency in Domestic Appliances and Lighting (EEDAL) to discuss the progress achieved in technologies and policies, and the strategies to be implemented to further this progress.

The previous EEDAL conferences have been very successful in attracting an international audience, representing a wide variety of stakeholders. The EEDAL conference has established itself as a recognised international event where participants can discuss and build international networks.

## EEDAL'09.

Following the success of the previous EEDAL conferences, the Deutsche Energie-Agentur GmbH (dena) – the German Energy Agency – and the European Commission Joint Research Centre supported by the Federal Ministry for Economics and Technology in Germany, in collaboration with the United Nations, the International Energy Agency, and the Collaborative Labeling and Appliance Standards Program (CLASP), are pleased to announce:

the 5th International Conference on  
Energy Efficiency in Domestic Appliances and Lighting –  
EEDAL'09, June 16–18, 2009 in Berlin, Germany

### Discussing tomorrow's Strategy.

EEDAL'09 will provide a unique forum to discuss and debate the latest developments in energy efficiency of residential appliances and lighting, heating and cooling equipment and ICT equipment. The policies and programmes adopted and planned, as well as the technical and commercial advances in the dissemination and penetration of energy efficiency in the fields will be presented.

The three-day conference will include plenary sessions where key representatives of governments and international organizations, manufacturers and academia will present their views and programmes. Parallel sessions on specific themes and topics will allow in-depth discussions among participants.

### Call for Abstracts.

To contribute to the success of the conference and to facilitate the development of new policies and strategies to increase energy efficiency, to mitigate climate change and to foster sustainable development, we invite you to participate in the conference and the debates and to submit abstracts on issues related to the theme of the conference. Abstracts falling in the topics described below are particularly welcome, but other may be accepted if they contribute to the advancement of the conference goals. Papers can focus on a broad range of aspects related to the conference theme, including policies, programmes, including evaluation and international collaboration, new technology developments and user behaviour. All papers shall address new and original developments, in particular on the session on technologies only papers focusing on new advanced solutions will be considered, in addition, papers shall not be of commercial nature.

## Topics related to specific Technologies:

**1. Residential Appliances/White Goods** (refrigeration, washing, cooking): components' efficiency, R&D, technologies, test methods, usage patterns, programmes, market trends, consumer behaviour.

**2. Residential Lighting Luminaires and Lamps:** LEDs, CFLs, R&D, technologies, test methods, consumer behaviour, programmes, market trends, lighting usage distribution and perception in the residential sector.

**3. Consumer Electronics** (televisions, set top boxes, PVRs, DVDs, audio, digital TV services, power supplies, telephony), office equipment, and low power modes: R&D, technologies, test methods, consumer behaviour, programmes, market trends, stand-by losses, active and low power mode, technology transfer from non-domestic market.

**4. Residential HVAC** (central heating boilers, heat pumps, room air conditioners, fans), water heaters (gas, electric and solar), and water circulation pumps: R&D, technologies, test methods, consumer behaviour, programmes, market trends, links to non-domestic markets.

**5. HVAC and Passive House:** specific HVAC equipment for passive buildings (very low energy houses), integration of equipment and appliances with whole building design, passive techniques, high efficiency ventilation.

**6. Motor Technologies for Appliances** (motors for air conditioners, fans, washing machines, refrigerators, circulation pumps, etc.) and motor control technologies (VSDs, power electronics): R&D, technologies, test methods, programmes, market trends.

**7. Home Automation and Metering:** domestic networks (security, automation, etc.) and their impact on energy consumption, Internet connected appliances, intelligent and advanced meters, technologies for real time pricing.

**8. On-site (Residential) Power Generation:** micro-generation, integration of renewable energy sources, electricity distribution issues for the residential sector.





## Topics related to Policies and Programmes:

### 1. Strategies for increasing Energy

**Efficiency:** consensus building, voluntary vs. mandatory approaches, policy analysis and evaluation, stimulating innovation (nationally and internationally), new programmes and barrier analysis, strategy development, priority setting, monitoring and review.

### 2. Innovate Policies and Programmes:

new, innovative policies or programmes, case studies for programmes or policies that have successfully reduced energy consumption in EEDAL, best practices, public-private partnerships, planned new initiatives.

### 3. Opportunities for international

**Cooperation:** focusing on where international cooperation is helpful or necessary to drive innovation and competition, on proposed or new initiatives, policy measures and programmes and on specific issues such as harmonization, test methods convergence, implementation and compliance, and benchmarking.

### 4. Measurement Methods and in-

**ternational Harmonization:** role of international standardization bodies, harmonization of test methods as a means of removing trade barriers, convergence of test methods, new generation of test methods for intelligent appliances and equipment.

### 5. Focus on developing Countries and

**Economies in Transition:** different approaches and strategies, policy framework, institutional aspects, capacity building needs, establishment of testing labs, new international partnerships.

### 6. Standards and Labels (Mandatory,

Voluntary, endorsing Label and Quality Marks): design of and evaluation of programmes, impact of programmes, engineering and statistical analysis, the importance of compliance and enforcement, searchable databases, implementation of the EU Eco-Design Directive for Energy-using Products and EU Labelling Directives, new EU Labelling Scheme, including new studies, international harmonization initiatives.

### 7. Public Leadership Programmes and

**Green Procurement:** policy design and evaluation, instruments, implementation, results.

### 8. Implementation and Enforcement of

**Policies:** market surveillance and control, testing regime, products database to help enforcement, international collaboration.

### 9. End-use Metering and Home Automa-

**tion:** programme design, methodologies, campaign results, advanced meters, informative billing, role of home automation is saving energy.

### 10. Programme Monitoring & Evaluation:

methods for the monitoring and evaluation of programmes and policies, indicators, benchmarking, top-down and bottom-up methodologies, evaluation of costs and energy savings potentials, ex-post evaluations of energy and CO<sub>2</sub>-savings and cost-effectiveness of programmes and policies.

### 11. Market Transformation Programmes:

programme design and implementation, promotion campaigns, advertising campaigns, tools for information and advice for multipliers and end users, other tools to promote the market transformation.

### 12. Lifestyles, Markets and Technologies:

looking ahead at how demand for new products and services is developing exploring the scope for bringing forward new technology or for technology transfer

which will be necessary to keep the lid on consumption or which offers breakthrough to more efficient solution, consumer behaviour.

### 13. Demand Response:

electricity tariff and real time pricing for the residential sector, programme design, programme evaluation, successful examples.

### 14. Energy Services, Energy Efficiency

**Funds, Demand Side Management and ESCOs:** provisions of energy services, white certificates, DSM programmes, ESCOs role and potential in the residential sector, dedicated energy efficiency funds.

### 15. Climate Change:

impact of appliances, lighting and residential programmes, potential of Clean Development Mechanism (CDM), Joint Implementation (JI), Green Investment Scheme (GIS), carbon credits as a new funding mechanism.

### 16. Non-energy Issues and indirect Costs:

ancillary and co-benefits, transaction costs, wider sustainability, including water and resources consumption, life cycle analysis and eco-design, waste implications during and at end of product life, impacts on job creation, fuel poverty and innovation poverty, comfort and innovation, indirect or transaction costs related to the implementation of efficient alternatives and programmes, inclusion of such non-direct aspects and costs into planning and CBA.

# Steering and Programme Committee EEDAL 2009.

- 1. Paolo Bertoldi,**  
European Commission DG JRC
- 2. Annegret-Cl. Agricola,**  
dena, Germany
- 3. Norbert Leffler,**  
Federal Ministry of Economics and Technology, Germany
- 4. Wolfgang Stinglwagner,**  
Federal Ministry of Economics and Technology, Germany
- 5. Davide Minotti,**  
DEFRA, UK
- 6. Benoit Lebot,**  
UNDP
- 7. Stephan Kolb,**  
European Commission DG TREN
- 8. Paul Waide,**  
IEA
- 9. Hans Paul Siderius,**  
SenterNovem, The Netherlands
- 10. Andrew Yager, *invited***  
UN
- 11. Jeffrey Harris,**  
ACEEE, USA
- 12. James McMahon,**  
LBNL, USA
- 13. Alan Meier,**  
LNBL, LBL
- 14. Li Tienan,**  
CECP, China
- 15. Marc Hofmann, *invited***  
CEE, USA
- 16. Christine Egan,**  
CLASP
- 17. Hideotoshi Nakagami, *invited***  
Jyukankyo Research Institute, Japan
- 18. Lloyd Harrington,**  
Australia
- 19. Nico Beute,**  
Cape Peninsula University of Technology, South Africa
- 20. Howard Porter,**  
Beama, UK
- 21. Rainer Stammiger,**  
University of Bonn, Germany
- 22. Jerome Adnot,**  
Ecole des Mines, Paris, France
- 23. Diana Urge-Vorsatz,**  
ECU, Hungary
- 24. Shane Holt,**  
AGO, Australia
- 25. Debra Brunk,**  
AHAM, USA
- 26. Richard Schalburg,**  
Dansk Energy, Denmark
- 27. Sandrine Marinhas,**  
Eurovent, France
- 28. Felix Van Eyken, *invited***  
EHI, Belgium
- 29. Tomas Dahlman, *invited***  
Electrolux, Belgium
- 30. Gilberto Jannuzzi,**  
State University of Campinas, Brazil
- 31. Branko Bjelajac,**  
Landis + Gyr, Switzerland
- 32. Eric Bush,**  
SAFE, Switzerland
- 33. Robert Harrison,**  
MTP, UK
- 34. Liu Mei,**  
CNIS, China
- 35. Nils Borg,**  
ECEEE and IAEEEL
- 36. Karim Amrane,**  
Air Conditioning, Heating and Refrigeration Institute, USA
- 37. Daniel Valery, *invited***  
EDF, France
- 38. Luigi Meli,**  
CECED, Belgium
- 39. Gerald Strickland,**  
The European Lamp Companies Federation
- 40. Wilfried Oppermann,**  
Panasonic Europe Ltd.
- 41. Reinhard Weitzel,**  
OSRAM, Germany
- 42. Jan Witt,**  
HEA e.V., Germany
- 43. Gunnar Pautzke,**  
Bosch und Siemens Hausgeräte GmbH, Germany
- 44. Christoph Wendker,**  
Miele & Cie. KG, Germany
- 45. Jürgen Waldorf,**  
ZVEI, Zentralverband Elektrotechnik- und Elektronikindustrie e.V., Germany
- 46. Nina Klemola, *invited***  
ANEC, Belgium
- 47. Sylvia Maurer, *invited***  
BEUC (Bureau Europeen des Unions de Consommateurs), Belgium
- 48. Tadeusz Skoczkowski, *invited***  
KAPE, Poland
- 49. Yungrae Kim,**  
Kemco, South Korea
- 50. Aye Mathur, *invited***  
Bureau of Energy Efficiency, India
- 51. Ina Rüdener,**  
Öko-Institut, Germany
- 52. John R. Mollet,**  
International Copper Association, USA
- 53. Doug Johnson,**  
Consumer Electronics Association, USA





## Authors, please pay Attention to these Instructions.

Authors interested in submitting papers for the parallel session are requested to send an abstract not exceeding 400 words in length and of not less than 200 words. The abstract must be in English, typed, and shall contain the following information:

- Main author name and affiliation, authors for correspondence with full postal address, telephone and fax numbers, and e-mail, and co-authors names and affiliation
- The relevant topic selected from the list above
- Up to five keywords
- Abstract

**Abstracts are due by October 10th, 2008.**

**Abstracts can be e-mailed to:**

paolo.bertoldi@ec.europa.eu

**Or faxed to:** +39 0332 78 9992

**Or mailed to:**

European Commission DG JRC  
EEDAL Conference Secretariat  
TP 450  
I-21020 Ispra (VA), Italy

## Conference Deadlines.

**October 10, 2008:**

abstracts are due to conference secretariat

**November 15, 2008:**

notification of abstracts acceptance

**January 15, 2009:**

draft papers are due to the conference secretariat

**February 25, 2009:**

reviewers' comments will be sent to authors

**March 31, 2009:**

final papers due to the conference secretariat

**June 16–18, 2009:**

conference takes place in Berlin

## Conference Information.

**For further Information please contact:**

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The official registration and information website will be launched at the end of October 2008: [www.EEDAL.eu](http://www.EEDAL.eu)

The conference is organised by the Deutsche Energie-Agentur GmbH (dena) - the German Energy Agency with the technical and scientific support of the European Commission DG JRC.



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