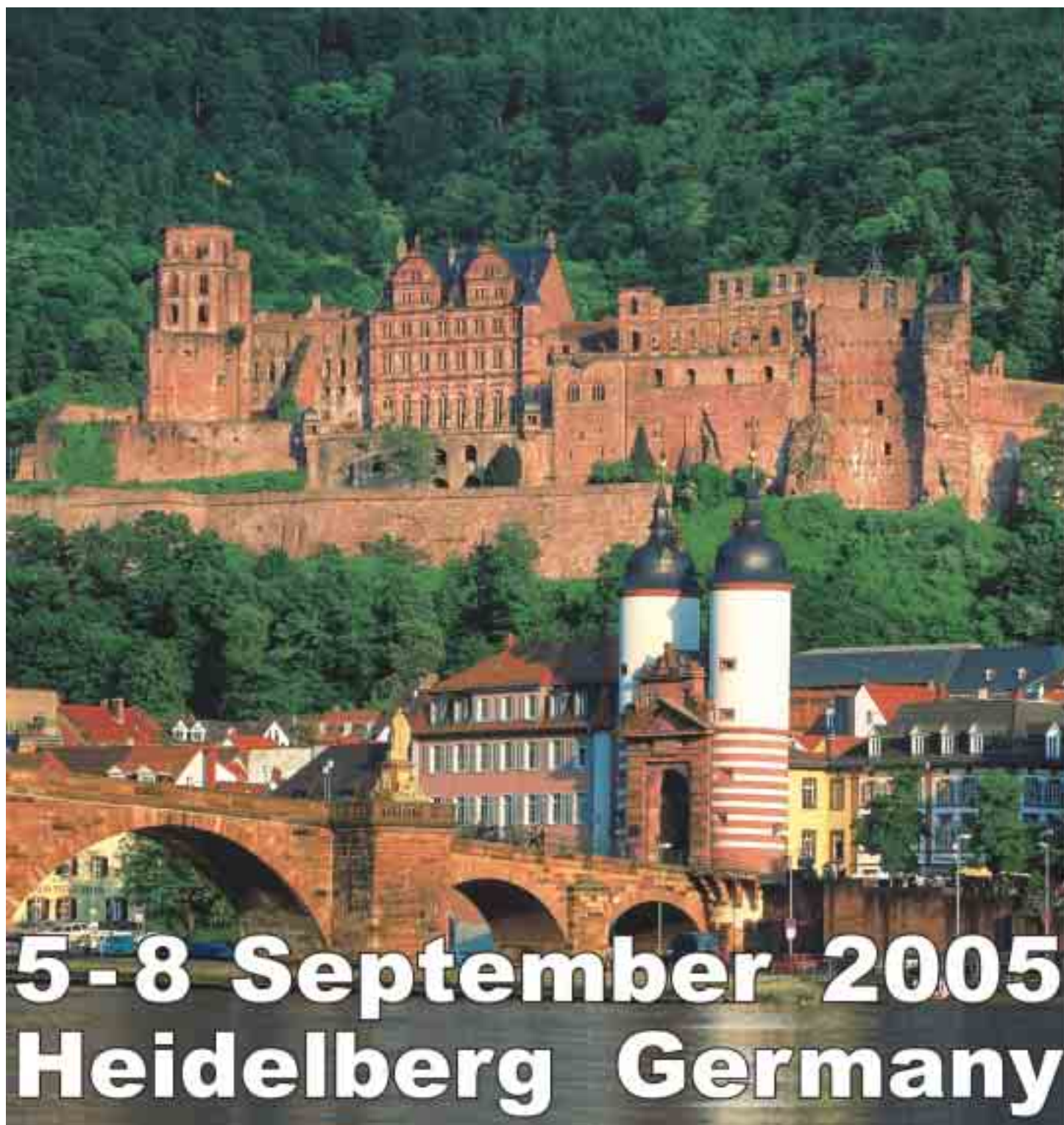


Call for Papers



EEMODS 2005

Energy Efficiency in Motor Driven Systems



Organised by:



About EEMODS '05

Following the success of the first three meetings in Lisbon (1996), London (1999), and Treviso (2002), the European Commission and the Fraunhofer Institute for Systems and Innovation Research are organising the 4th International Conference on Energy Efficiency in Motor Driven Systems to be held in Heidelberg, Germany September 5th to 8th, 2005.

The previous EEMODS events have been very successful in attracting an international and distinguished audience, representing a wide variety of stakeholders in the development, manufacturing and promotion of energy-efficient motor systems.

EEMODS '05 will provide a forum to discuss and debate the latest developments in the impacts of electrical motor systems on energy and the environment, the policies and programmes adopted and planned, and the technical and commercial advances made in the dissemination and penetration of energy-efficient motor systems.

The conference's technical focus is on industrial motors and motor systems, where the replication and savings potentials are the greatest.



City Hall

Topics

1. Electric Motors

Test methods and measurements (including losses calculation methods), induction motors (technology and design), alternative options to induction motors (technology and design: permanent magnet motors, DC brushless motors, switched reluctance motors), motor promotion campaigns, transmission equipment, motor repair.

2. Power Electronics and Drives

New solutions in drives in relation to energy efficiency, successful application of drives, advanced integrated motor and drives, application-oriented optimisation of drives (motion control tasks), power quality issues, VSD promotion campaigns.

3. Pumps and Pumping Systems

Life cycle costing, energy efficiency improvements in pumps, maintenance of pumps, on-site assessment of pump efficiency, efficiency test methods, energy-saving tools, market assessments, system design optimisation, pumps energy-saving programmes.

4. Compressed Air Systems

Maintenance of compressed air systems and compressors, energy efficiency improvements in air compressors and controls, life cycle costing, compressor energy-saving programmes, energy-saving tools, market assessments, system design and optimisation, air compressor efficiency test methods.

5. Fans and Fan Systems

Life cycle costing, energy efficiency improvements in fans, maintenance of fans, efficiency test standards, energy-saving tools, market assessments, system design optimisation, drive belts, energy saving programmes.

6. Refrigeration Systems

Maintenance, life cycle costing, new refrigerants, system optimisation, load management, VSD, efficiency testing, energy-saving potentials, industrial applications, compressor design, heat recovery, cycle optimisation, software tools.

7. Motors in Household Appliances

Improved motors, optimised designs, motor control, system optimisation, labelling, databases, energy consumption, reliability.

8. Other Motor Systems

Mixers, lifts, escalators, trains, window lifters, electric cars, and other systems using electric motors which are not covered by the other topics.

9. Management Issues

Third party financing, energy management, contract energy management, winning company approval for energy efficiency projects, staff training.

10. Motor System Audit and Programmes

Motor challenge programme, DSM programmes for motor systems, audit schemes, advances in energy measurement techniques, software tools for auditors, monitoring and verification, audit case studies, national audit programmes.

11. Policies and International Issues

Labelling and classification schemes, minimum efficiency standards, voluntary agreements, market transformation, life cycle costing guidelines, procurement programmes, harmonisation of test methods, promotion campaign, climate change, regional programmes, global and regional motor consumption characterisation and assessment, procurement, ESCO's.

Submitting an Abstract

Authors interested in submitting papers for presentation at the conference are kindly requested to send a one-page abstract in English which should not exceed 300 words, with name, mailing address, e-mail and the relevant topic number (1-11 in the list of topics). The abstract should summarize the contents of the paper, indicating its objective, starting point and original contribution. Abstracts should be submitted electronically as an MS Word file to the following address:

eemods@isi.fraunhofer.de

Confirmation of paper reception will be mailed back. Abstracts should be submitted in a format that can be downloaded at:

www.eemods.de/abstract/.

Conference Calendar

December 15th, 2004 Abstracts are due to be sent to eemods@isi.fraunhofer.de

January 31st, 2005 Authors will be notified as to whether their papers have been accepted or rejected. Instructions for the preparation of final papers will be sent with the notice of acceptance.

July 1st, 2005 Final papers have to be ready and mailed to the conference organizer.

Abstracts will be selected by the scientific committee based on the following criteria:

- Clarity of thought and presentation
- Relevance to the focus of the conference
- Presentation of new material
- Likelihood of stimulating a debate.

EEDMODS '05 Conference Secretariat

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Further Information

Information on the conference will be regularly updated at www.eemods.de.

The easiest way to keep up-to-date is to subscribe to the free **electronic newsletter** of the conference at www.eemods.de/newsletter/newsletter.php.



Hotel Ritter

Conference Sponsors

Contributions to the conference may be made through direct funding. Sponsorship gives your organisation several opportunities to be recognised professionally; conference sponsors receive much attention both before, during, and after the conference. Opportunities will depend on the sponsorship category chosen. For details, see the website or contact the conference secretariat. Additional benefits to sponsors may also include paid conference fee and the opportunity to use an exhibition space for posters, brochures, etc. in a room close to the plenary session room. In addition, sponsors will have the opportunity to participate in the partner programme.

So far, the following companies and institutions have signed sponsorship agreements for the conference. If your organisation would also like to become a sponsor, please contact the Conference Secretariat.

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Venue

Heidelberg was first mentioned as a city in the 12th century and was the residence of the Counts of the Palatinate for many centuries. The oldest German university was founded here by them in 1386 and had acquired great academic importance as early as the 15th and 16th centuries. It experienced another boom after its re-establishment in 1803. The castle, dating from the early 13th century, is one of the best examples of German Renaissance architecture, especially the elements built in the 16th and early 17th centuries. In the 19th century, Heidelberg was the centre of German Romanticism. The town, the university, the castle and its surrounding countryside together constitute the unmistakable, romantic ensemble to which Heidelberg owes its fame.

Heidelberg is centrally located in Germany and Europe and easy to reach by train, car or plane. Heidelberg is part of the ICE- and IC/EC-network of the German Rail. Frankfurt's International Airport (FRA; 50 miles/80 km) is within one hour's journey. Airport transfer to and from Frankfurt Airport to the conference will be provided.



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