



4TH EUROPEAN CONGRESS ECONOMICS AND MANAGEMENT OF ENERGY IN INDUSTRY

Hotel Ipanema Porto Porto Portugal 27-30 November 2007

2nd Announcement and Call for Papers

BACKGROUND OF THE CONFERENCE

This 4th European Congress on Economics and Management of Energy in Industry follows upon three very successful Congresses in the same subjects which were also held in Portugal in 1984, 1994 and 2004. These attracted Delegates from over 30 countries and more than 80 papers were presented in each one.

OBJECTIVES

The objective of the Congress is to promote a greater understanding of the Economics and Management of Energy in Industry through analysis, systems modelling, information exchange and the advancement of energy technology. The Congress Programme, which will reflect these objectives, will consist of the following major elements: KEYNOTE PAPERS which will be delivered by internationally recognised authorities; GENERAL PAPERS which will be presented in oral or poster sessions.

TOPICS

Whilst the detailed range of topics which will be covered will depend upon the papers which are accepted, contributions are invited in any fundamental and applied area of interest in Economics and Management of Energy in Industry, including:

ENERGY ECONOMICS

- COMBINED HEAT AND POWER
- COMPETITIVE MARKETS AND REGULATION/ DEREGULATION
- CROSS BORDER FLOWS OF ELECTRICITY AND GAS
- ELECTRICITY LABELLING (GREEN ELECTRICITY, CHP- CERTIFICATES)
- ELECTRICITY POWER EXCHANGES AND ENERGY TRADING
- EMISSION CERTIFICATES TRADING
- ENERGY EFFICIENCY
- ENERGY TAXATION VERSUS CO₂ TAXATION.
- EVOLUTION OF PRICES OF GAS AND ELECTRICITY/PRICE VOLATILITY.
- FUTURE DEMAND FOR ENERGY IN INDUSTRY
- IMPACT OF ENVIRONMENTAL REGULATION ON ENERGY PRODUCTION, AND CONSUMPTION.
- INDUSTRY AND CO₂ - EMISSIONS
- INDUSTRY AND ENERGY POLICY ISSUES.
- INVESTMENT IN POWER PRODUCTION: BASE LOAD AND PEAK LOAD
- KYOTO AND BEYOND
- LIBERALISATION OF ELECTRICITY / GAS MARKETS: REALISATIONS, PROBLEMS, AND PROSPECTS.
- RENEWABLES (WIND, BIOMASS, PHOTOVOLTAIC, ...) AND MARKET PRICES
- SECURITY OF SUPPLY (GENERATION CAPACITY) FOR GAS C.Q. ELECTRICITY AND INFRASTRUCTURE.
- TECHNOLOGICAL PROGRESS, ENERGY AND INDUSTRY
- TECHNOLOGY ISSUES IN ENERGY PRODUCTION AND CONSUMPTION.

ENERGY MANAGEMENT

- DECENTRALISED ENERGY CONVERSION AND POWER GENERATION
- ENERGY POLICY AND ENVIRONMENTAL ISSUES
- ENERGY STORAGE SYSTEMS
- FOSSIL FUELS AND NEW ENERGY VECTORS
 - FEASIBILITY OF HYDROGEN BASED ENERGY
- INDUSTRIAL ENERGY ANALYSIS
 - ENERGY AUDITING
 - PINCH POINT ANALYSIS
 - THERMODYNAMIC (ENERGY AND EXERGY) STUDIES
 - THERMOECONOMIC OPTIMISATION
- INDUSTRIAL ECOLOGY
 - CARBON AND ENVIRONMENTAL FOOTPRINT ANALYSIS
 - ENVIRONMENTAL IMPACT ASSESSMENT
 - LIFE CYCLE PERSPECTIVES AND TECHNIQUES
- INDUSTRIAL ENERGY MANAGEMENT
 - INDUSTRIAL ENERGY EFFICIENCY
 - HEAT TRANSFER ENHANCEMENT, HEAT EXCHANGERS AND HEAT PIPES
 - HEAT TRANSFER IN MANUFACTURING PROCESSES
 - LOW ENERGY BUILDING DESIGN
 - AIR CONDITIONING SYSTEMS
 - THERMAL INSULATION
- RENEWABLE ENERGY SYSTEMS

CALL FOR PAPERS

Authors wishing to present papers should submit extended abstracts of about 1500 words stating clearly and concisely the purpose of the paper, the method of approach, significant results and conclusions. The names, affiliations and emails of all Authors should be included. The extended abstract should be forwarded by **9 September 2007** to Prof. Albino Reis at the email address cenertec@cenertec.pt. It will be necessary to produce the final papers in English in camera-ready format and these will be published in the Congress Proceedings. English is the official language of the Congress and will be used for all printed materials, presentations and discussions.

(P.T.O)

IMPORTANT DATES

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|--------------------------|---|
| ➤ 09 September 07 | Submission of extended abstracts |
| ➤ 09 September 07 | Return Reply Form asking for further information |
| ➤ 30 September 07 | Authors notified of acceptance of extended abstracts |
| ➤ 30 October 07 | Final date for submission of camera-ready manuscripts |
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KEYNOTE LECTURES

PEAK OIL AND GLOBAL GDP GROWTH

PROF. KJELL ALEKLETT

Professor at Uppsala University (Sweden) and President of Asso-association for the Study of Peak Oil and Gas

EXERGEOECONOMIC OPTIMIZATION

PROF. GEORGE TSATSARONIS

Bewag Professor of Energy Engineering and Environmental Protection, Technische Universitaet Berlin (Germany)

ENERGY EFFICIENCY IN INDUSTRY

PROF. GUNTER SCHAUMANN

TSB - Transferinstitut Bingen GmbH (Germany)

CO₂-REDUCTION STRATEGIES FOR INDUSTRIES IN INDUSTRIALIZED AND EMERGING COUNTRIES

PROF. EBERHARD JOCHEM

Senior Executive at Fraunhofer Institute Systems and Innovation Research (Germany) and Director of Cepe-centre for Energy Policy and Economics (Switzerland)

PROCESS INTEGRATION AND MODERN ENERGY TECHNOLOGIES

PROF. CARL-JOHAN FOGELHOLM

Head of The Laboratory of Energy Engineering and Environmental Protection, Helsinki University of Technology (Finland)

ADVANCES IN SOLAR ENERGY TECHNOLOGIES

PROF. BRIAN NORTON

President of Dublin Institute of Technology (Ireland)

TECHNOLOGICAL, STRUCTURAL AND STRATEGIC DEVELOPMENTS ON THE PATH TOWARDS A SUSTAINABLE SOCIETY – AN INDUSTRIALIST'S PERSPECTIVE

MR. BIRGER FLYGARE

Former President of Linotype International, Inter Alia (Sweden)

LONG RUN TECHNOLOGY AND FUEL TRANSITIONS AND THEIR ENERGY AND ENVIRONMENTAL POLICY IMPLICATIONS

PROF. PETER PEARSON

Director of the Imperial College Centre for Energy Policy & Technology (United Kingdom)

SCIENTIFIC COMMITTEE

Adisa Azapagic (The University of Manchester, United Kingdom)

Aldo Steinfeld (ETH Zurich, Switzerland)

Bjorn Karlsson (Linköping Institute of Technology, Sweden)

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Christos Frangopoulos (National Technical University of Athens, Greece)

Denis Babusiaux (Institut Français du Pétrole, France)

Derek Bunn (London Business School, United Kingdom)

Doug Probert (Cranfield University, United Kingdom)

Einar Hope (Norwegian School of Economics, Norway)

Ennio Cardona (Università degli Studi di Palermo, Italy)

Enrico Sciubba (University of Roma 1 La Sapienza, Italy)

Ferdinand Banks (Consultant and Visiting Professor, Sweden)

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Isabel Soares (University of Porto, Portugal)

Iztok Golobic (University of Ljubljana, Slovenia)

Javier Rey (University of Valladolid, Spain)

John Ward (University of Glamorgan, United Kingdom)

José Pires Manso (University of Beira Interior, Portugal)

Leif Gustavsson (Mid Sweden University, Sweden)

Lester Hunt (Surrey Energy Economics Centre, United Kingdom)

Marcus Newborough (ITM Power, United Kingdom)

Martin Patel (Utrecht University, Netherlands)

Matthew Leach (University of Surrey, United Kingdom)

Namejs Zeltins (Institute of Physical Energetics, Latvia)

Ole Jess Olsen (Roskilde University, Denmark)

Peter Claes (IFIEC Europe, Belgium)

Peter Pearson (Imperial College London, United Kingdom)

Peter Reason (University of Bath, United Kingdom)

Reiner Kuemmel (University of Würzburg, Germany)

Savvas Tassou (Brunel University, United Kingdom)

Ulf Hansen (Rostock University, Germany)

Victor Mazur (State Academy of Refrigeration, Ukraine)

Wilhelm Kuckshinrichs (Research Centre Juelich, Germany)

Xavier Labandeira (University of Vigo, Spain)

ORGANIZING COMMITTEE

Albino Reis
Geoffrey Hammond
Robert W. Grubbström

Cenertec - Centro de Energia e Tecnologia, Portugal
University of Bath, England
Linköping Institute of Technology, Sweden

VENUE

The Congress will be held at Hotel Ipanema Porto, a four star Hotel in the centre of Porto. The City of Porto, situated on the banks of the Douro River, is one of the oldest cities in Europe. Sloping steeply down towards the river with its remarkable bridges it has been an inspiration to a variety of artists. Porto made its name over two centuries ago because of its connection with the Port Wine industry and has been visited over the years by many eminent people, making it one of the oldest tourism destinations of Europe. For further information about the City of Porto, please visit <http://www.portoturismo.pt>

CORRESPONDENCE

All correspondence concerning the Conference should be addressed to:

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Reply Form

Please complete and return this form at your earliest convenience.

☐

Enclosed you will find my abstract(s)

☐

I intend to submit an Abstract

☐

I will not submit an Abstract but I would like to know more about the Congress; please send further information (Programme, Accommodation, Tourist Information, etc., etc.).

☐

I will not be able to attend but may be interested in obtaining the Congress Proceedings.

☐

I may be interested in obtaining the Proceedings of the previous ECEMEI Congress; please send further information.

☐

My Company/Organisation might be interested in:

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Exhibiting technical and commercial literature

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Advertising in the Congress Web Site and CD-ROM Proceedings

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Please return this form to : **ECEMEI** (or on-line submission <http://www.cenertec.pt/ecemei/rform.php>)

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