

CALL
FOR PAPERS

19-20 MAY 2011

Hilton Hotel, Nicosia-Cyprus



Under the Auspices of The Minister of Commerce, Industry and Tourism



Co-organisers:

- Ministry of Commerce, Industry and Tourism, Energy Service
- Electricity Authority of Cyprus
- Cyprus Scientific and Technical Chamber
- Cyprus Energy Regulatory Authority
- University of Cyprus
- Cyprus University of Technology
- National Technical University of Athens
- Aristotle University of Thessaloniki
- Frederick University
- The Cyprus Institute
- Transmission System Operator, Cyprus

**3rd International Conference on
Renewable Energy Sources
& Energy
Efficiency**



www.mse.com.cy/energy

Organised by:



Cyprus
Chamber of
Commerce and
Industry

www.ccci.org.cy

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congress plus

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Communication
Sponsor:



Scope of the Conference:

The Conference aims at providing information to the Business and Scientific community of Cyprus, Mediterranean and European countries about the latest developments in Renewable Energy Sources and the possibilities in Energy Efficiency in the construction and industrial sector. By doing so, these actions will target the reduction of the use of fossil fuels for the next decades to come, minimising their environmental impact and reducing the dependence on fossil fuels for the energy requirements of the world.

Workshops:

Industry workshops will be organised and be available on request, depending on satisfactory number of applications received.

Social events:

Visit to Orites 82MW Wind Park; 21 May 2011

For the attention of the authors:

Invited Presentations:

The Organising Committee will select and invite experts to give state-of-the-art presentations and head special sessions on selected topics.

Submitted papers:

- ✓ The Organising Committee invites authors to submit papers for supplementary presentations in the topic areas listed.
- ✓ The selection of the papers will be based on the originality of the contribution and clarity of presentation. The Scientific Programme Committee is responsible for the selection.
- ✓ Prospective Authors are invited to submit a one page Abstract of the proposed paper, which will enable the Scientific Programme Committee to decide on the suitability of the proposed theme and presentation.
- ✓ Abstracts should be single spaced in 12 point Times New Roman font and should fit entirely within 150 mm x 250 mm space on a single page. Electronic submission in MS Word as an e-mail attachment is the required mode of submission.
- ✓ It is recommended that a brief professional biography or curriculum vitae (a maximum of half a page in length) be included with the abstract as a separate document.

- ✓ The final paper should be of minimal commercial content.

Submission of an abstract or full paper implies a commitment to present the paper if accepted.

Format of the Submitted Papers:

- ✓ **Full Papers** will be submitted in electronic form. MS Word as an e-mail attachment in accordance with the Conference requirements and within the deadlines indicated below.
- ✓ The papers will be written in English. Submitted papers must use a page setup for **A4 (210x197 mm)** paper size, white background, with 25 mm margin on all four sides.
- ✓ They should be typed in single space using **Times New Roman 12 font**.
- ✓ A typical manuscript is **limited to 10 pages**, including Abstract, Figures, Tables, illustrations, photographs, graphs and references.
- ✓ Detailed instructions on the layout of papers are available upon request.
- ✓ Full details for corresponding with the author(s) (including e-mail and telefax) should be provided.

Conference presentations:

The presentation of all the selected papers will be 15 minutes duration. Each session will be followed by a 10 minute discussion.

Conference proceedings:

All accepted papers and the papers of the invited speakers will be available to the registered participants in the Conference webpage www.mse.com.cy/energy

Official language:

The official language of the conference is English.

Important Dates:

- **November 26, 2010:** Submission of **one-page Abstract** of the proposed paper.
- **December 31, 2010:** **Notification of acceptance.**
- **Jan 28, 2011:** Submission of the **full paper.**
- **Feb 25, 2011:** **Notification of Acceptance** of the final paper.
- **May 19-20, 2011:** **Conference dates** – presentation of paper at the conference, Nicosia, Cyprus.

Conference Fees:

- Non members
 - Early registration (up to 1st April 2011) **€290** | - Registration after the 1st April 2011 **€350**
- Members of the Organisations KEBE, ETEK, IEE, IEEE, ΣEM, IMechE, University staff.
 - Early registration (up to 1st April 2011) **€200** | - Registration after the 1st April 2011 **€250**
- Students
 - Fees for students **€120**

Fees cover, the admission to all sessions, invitation to all coffee breaks, one lunch, conference material and VAT.

Registration:

Please complete the attached Registration Form and send it either by Fax or e-mail at:

Registration Fax: +357 22 767680, e-mail: mse@mse.com.cy

Information about the conference and registration forms can also be found at:

www.mse.com.cy/energy

All delegates will receive a password to access the conference presentations online and they will also receive the book of Abstracts.

Conference Secretariat:

MSE Congress Plus

3, Sina Street, 2nd floor, Office 204A, P.O. Box 24612

T.T. 1306 Nicosia, Cyprus

Phone: 00357 22 466400 | Fax: 00357 22 767680

e-mail: mse@mse.com.cy | www.mse.com.cy

Conference web page: www.mse.com.cy/energy

Executive Organising Committee:

Conference Coordinator: Marios Tsiakkis, Cyprus Chamber of Commerce and Industry

Chairman: Andreas Theophanous

Members: George Partasides, Ministry of Commerce, Industry and Tourism, Energy Service
Andreas Poullikas, Electricity Authority of Cyprus
Christos Maxoulis, Cyprus Scientific and Technical Chamber
Panayiotis Keliris, Cyprus Energy Regulatory Authority
George Georgiou, University of Cyprus
Ioannis Michaelides, Cyprus University of Technology
Evangelos Dialynas, National Technical University of Athens
Agis Papadopoulos, Aristotle University of Thessaloniki
George Demosthenous, Frederick University
Costas N. Papanicolas, Cyprus Institute
George Ashikalis, Transmission System Operator, Cyprus

Scientific Programme Committee:

Chairman: Ioannis Michaelides, Cyprus University of Technology

Members:

Ahmet Lokurlu, Germany	Istvan Farkas, Hungary
Andreas Athienitis, Canada	Kyriacos Tsiftes, Cyprus
Andreas Poullikkas, Cyprus	Manfred Lange, Cyprus
Chris Christodoulou, Cyprus	Manthos Santamouris, Greece
Costas Costa, Cyprus	Peter Allen, Canada
Derek Wilson, United Kingdom	Polyvios Eleftheriou, Cyprus
Despina Serghides, Cyprus	Stelios Choulis, Cyprus
Elias Kyriakides, Cyprus	Theocharis Tsoutsos, Greece
Emiel Hanekamp, Netherlands	Toula Onoufriou, Cyprus
George Georgiou, Cyprus	Vassilios Geros, Greece
Giorgos Tsilingirides, Greece	Venizelos Efthymiou, Cyprus

International Advisory Committee:

- Prof. Hans Muller Steinhagen, Rector of the University of Dresden.
- Prof. Costas N. Papanicolas, President, The Cyprus Institute, Cyprus.
- Prof. Agis Papadopoulos, Department of Mechanical Engineering, Aristotle University of Thessaloniki, Greece.
- Prof. Evangelos Dialynas, National Technical University of Athens, Greece.

Invited Keynote Speakers:

- Prof. Evangelos Dialynas, National Technical University of Athens, Greece.
 - Prof. Maria Loizidou, National Technical University of Athens, Greece.
 - Prof. Hubert Fechner, Renewable Energy Institute, Austria
 - Dr. Hans-Martin Henning, Deputy Director, Head of Department of Thermal Systems and Buildings Fraunhofer-Institut für Solare Energiesysteme ISE, Freiburg, Germany
 - Nikos Hatziargyriou, Deputy CEO of the Power Public Corporation of Greece
 - Prof. Andreas Wagner, Building Science Group, Karlsruhe Institute of Technology (KIT), University of Karlsruhe, Germany
 - Alexandros N. Tombazis, A. N. Tombazis and Associates Architects S.A., Greece
 - Prof. Agis Papadopoulos, Aristotle University of Thessaloniki, Greece
- Others pending confirmation

The Executive Organising Committee will secure the participation of internationally acknowledged keynote speakers to cover contemporary RES and Energy Efficiency areas beside the ones showing above.

Venue (information about Cyprus)

The Conference will be held at the HILTON CYPRUS Hotel in Nicosia, the capital of Cyprus.

Cyprus is an island Republic in the easternmost corner of the Mediterranean Sea.

Language

English is widely spoken throughout the country and an increasing number of people also speak French and German.

Currency-Credit cards

The monetary unit is Euro. Most major credit cards are accepted throughout the island, including American Express, Diners' Club, Euro card, Master card Access and Visa. Personal cheques are not accepted. Payment in foreign currency is accepted at the current exchange rate of the day of the payment.

Climate

Cyprus has one of the healthiest climates in the world. It is an ideal holiday island with more than 330 days of sunshine, mild winters, hot dry summers, clear skies and clean air. Average temperature in Nicosia in May is 25°C.

Flights to Cyprus

Direct flights to Cyprus are available from most European capitals to Larnaca International Airport and Paphos International Airport.

Conference topics:

Papers are invited reporting original research as well as Papers focusing on the results that have been achieved through areas of Renewable Energy Sources and Energy Efficiency. Indicative themes of the Conference are listed below:

RENEWABLE ENERGY SOURCES

Biomass

- Exploitation of agricultural residues
- Energy Crops
- Exploitation of landfill gas from municipal waste disposal
- Burning of solid fuels
- Biofuels

Wind Power

- Wind Turbine Technology Research
- Commercial wind turbines
- Meteorological aspects
- Condition monitoring and measurement/telecommunication and control
- Connection of wind parks to the Grid
 - Connection routes/ way leaves and government approvals
 - public opinion
- Wind Park operation
 - System Reliability/Stability
 - Safety and protection
 - Economic aspects
 - Metering

Photovoltaic Technologies

- Photovoltaic Technology Research
- Photovoltaic panel production processes
- Inverter Technologies
- System Quality of Supply/Harmonics
- Distributed Generation
- Connection of solar producers to the distribution system
- Distribution system safety

Hydro Power

- Mini Hydro Systems
- Pumped Storage

Solar Thermal Power

- Solar Thermal Power Generation: Design, Economics.

Integration of Renewable Energy Systems in Mediterranean Countries

- Wind's role of renewable in the area energy market
- Market developments and structures
- Integrating solar into electricity network
- Integrating wind into electricity network
- Electrical system design, integration and control

ENERGY EFFICIENCY

Energy Conversion and Management

- Energy Conservation
- Energy forecasting
- Fuels and Alternatives
- Combined heat and power technologies
- Energy and Environmental Issues
- Energy and Sustainable Development
- Energy Storage
- Energy and Transport
- Energy Policy and Planning
- Strategies for increasing Energy Efficiency
- Standards and Labels (EU Eco-Design Directive for Energy using Products and EU Labelling Directives, new EU Labelling Scheme)
- Energy system modelling, simulation and optimisation
- Energy security and risk assessment
- Environmental impacts of energy systems

Energy and Built Environment

- Low energy building technology
- Thermal Insulation, innovative materials
- Bioclimatic Design
- Building management systems
- Heating, Ventilating and Air conditioning Systems.
- Energy Efficiency in Domestic Appliances and Lighting
- Directive 2002/91/EC on the Energy Performance of Buildings
- Energy Certification of Buildings

Solar Thermal Applications in Buildings

- Solar thermal Technology Research
- Solar panel technology
 - Flat plate collectors
 - Selective absorbers
 - Evacuated tubes
 - Parabolic collectors
- Solar Air Conditioning
 - Systems technology research
 - Solar cooling applications
 - System design
 - Absorption refrigeration
- Solar Hot Water Systems

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• The Cyprus Institute



• Transmission System Operator, Cyprus

