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JUNE 2013 Hilton Hotel
Nicosia-Cyprus



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



New Challenges



4th International Conference on
Renewable Energy Sources
& Energy
Efficiency - New
Challenges



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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
- The Cyprus Institute
- Transmission System Operator, Cyprus
- Natural Gas Public Company of Cyprus
- Cyprus Energy Agency

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4th International Conference

on Renewable Energy Sources &
Energy Efficiency

Scope of the Conference:

This international conference is organized for the 4th time with great success and it is a very important venue of interchange of experiences, transfer of new knowledge and information. The Conference aims at bringing together all the key stakeholders interested in renewables, energy efficiency and conventional fuels: industrial experts, academic researchers, policy makers, regulators etc. The thematic areas of the Conference cover all topics of renewables, energy efficiency in all sectors and conventional fuels.

Who should attend?

- Decision makers, including managers and policy makers, interested in exchanging ideas and experiences
- Representatives of international organizations or other organisations willing to share relevant experience on renewable energy exploitation, energy efficiency techniques and developments and conventional technologies.
- Companies interested in investing on renewable energy and energy efficiency equipment.
- Individuals who wish to be informed on new developments, tools and techniques.
- Members of the research and academic communities aiming at exchanging results, sharing similar experiences or new applications.

Parallel Workshops:

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

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 areas listed.
- The selection of the papers will be based on a review process concerning the originality of the contribution and clarity of presentation.
- Prospective Authors are invited to submit a one page Abstract of the proposed paper.
- 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 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 23, 2012: Submission of one-page Abstract of the proposed paper.
- December 21, 2012 : Notification of acceptance.
- February 8, 2013: Submission of the full paper.
- March 8, 2013: Notification of Acceptance of the final paper.
- April 5, 2013: Deadline for parallel workshop requests.
- June 6-7, 2013: Conference dates - presentation of paper Nicosia, Cyprus.

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Conference Fee:

- **Non members**
 - Early Registration before 1st April 2013 € 290
 - Registration after 1st April 2013 € 350
- **Members of Organisations** KEBE, ETEK, IEE, IEEE, ΣEM, IMechE, EBHEK
 - Early Registration before 1st April 2013 € 200
 - Registration after 1st April 2013 € 250
- **University and Research staff** € 120
- **Students** € 90

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

Registration:

To register please visit www.mse.com.cy/energy

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, Website: www.mse.com.cy

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

Executive Organising Committee:

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Chairman: Dr Andreas Poullikkas

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Electricity Authority of Cyprus

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- Mr George Partasides
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Advisory Committee:

- Prof Toula Onoufriou Vice Rector (Academic Affairs), Cyprus University of Technology.
- Prof Costas N. Papanicolas Chairman, 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:

To be announced

4th International Conference

on Renewable Energy Sources &
Energy Efficiency

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 in Buildings. Indicative themes of the Conference are listed below:

Renewable Energy Sources

- Biofuels
- Biomass
- Combustion of solid fuels
- Concentrated solar power
- Connection of renewables to the distribution system
- Distributed generation
- Energy crops
- Energy storage
- Exploitation of agricultural residues
- Exploitation of landfill gas from municipal waste disposal
- Hydro Power
- Integration of renewable energy sources in Mediterranean countries
- Mini hydro systems
- Photovoltaic inverter technologies
- Photovoltaic technologies
- Power system harmonics
- Power system quality
- Power system safety
- Pump storage
- Solar air conditioning
- Solar space heating
- Solar hot water systems
- Tidal energy
- Wave energy
- Wind meteorological aspects
- Wind parks operation
- Wind turbine technologies

New Challenges

- Advanced seismic data acquisition, processing and interpretation techniques
- Advances in oil and gas separation
- Carbon capture and storage technologies and enhanced oil recovery for deepwater
- Conventional and non-conventional hydrocarbons energy development
- Deepwater drilling and completions technologies
- Deepwater structures and system integration

Energy Efficiency and Policy

- Bioclimatic design
- Building management systems
- Combined heat and power technologies
- Energy and sustainable development
- Energy and transport
- Energy certification of buildings
- Energy conservation
- Energy economics
- Energy efficiency in domestic appliances and lighting
- Energy forecasting
- Energy policy and planning
- Energy security and risk assessment
- Energy system modelling, simulation and optimisation
- Environmental impact of energy systems
- Heating, ventilating and air conditioning systems
- Low energy building technology
- Strategies for increasing energy efficiency
- Thermal insulation and innovative materials

- Exploration geohazards and sea bed service
- Global natural gas market outlook
- Hydrocarbons exploration strategies
- Natural gas liquefaction technologies
- Natural gas pipeline transportation technologies
- Natural gas policy issues
- Oil and gas reserves and economics by region
- Subsea completions and well testing and economics

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• Cyprus Energy Regulatory Authority



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• Cyprus University of Technology



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