



**IRENEC 2011**  
**INTERNATIONAL 100% RENEWABLE ENERGY CONFERENCE**  
**AND EXHIBITION**  
**Türkan Saylan Culture Center**  
**6-8 October 2011, Maltepe - ISTANBUL**

The dream for an energy supply based on 100% renewable energies is coming true.

The evolutionary developments in technology as well as in legal frameworks together with an increasing public awareness make it possible for the rational use of secure, sustainable and competitively priced renewable energy sources.

Organized by EUROSOLAR Turkey, The Turkish Division of European Association for Renewable Energies annually to pursue the improvements in the energy end use efficiency and renewable energies, IRENEC, International 100% Renewable Energy Conferences and Exhibitions aim to promote this monumental transformation from fossil fuels to renewable energy sources and to contribute to the 100 percent goal to be reached without nuclear energy or carbon-capture technology.

IRENEC 2011, the International 100% Renewable Energy Conference and Exhibition to be held on 6-8 October 2011 in Istanbul will be the first step of the series of IRENEC conferences and trainings designed to take place consecutively with in the scope of a total program,

IRENEC 2011. will cover the most significant topics to lead a way to discussions and shifts in thinking in a world so overwhelmingly dependent on fossil fuels.

## THE CONFERENCE

IRENEC 2011, will gather the most notable international audience in Türkan Saylan Culture Center Maltepe - Istanbul, Turkey on 6-8 October 2011 to share this inspiring but achievable vision and to seize the opportunities and deal with the challenges.

### The Conference Topics

- Planning the Future Energy Mix with the Technologies of the Future
- Energy-Economy-Environment Integrated Decision Support Tools
- End-use Energy Efficiency in Industry
- End-use Energy Efficiency in Transportation
- Storage Technologies of Renewable Energies
- Solidarity of Energy End Use Efficiency with Renewable Energy Technologies
- Internalization of External Costs
- Wind Turbine Technologies
- Process Heat Production from Solar Energy
- Electricity from Sun
- Biomass Energy and Related Technologies
- Geothermal Energy Implementation
- Zero Energy Buildings
- Education and Research for 100 % Renewable Energy
- Training of Renewable Energy Technicians, Engineers, Teachers, Decision Makers and

### Business People

- Relations and Interaction of Nature and Human Activities
- Harmful Subsidies
- Smart grids for renewable energy integration
- Climate Change; GHG Mitigation and Adaptation
- Zero Carbon Cities, Energy End Use Efficiency and Renewable Energies in

### Municipalities

- Financing Renewable Energies

## **SPEAKERS** □

Prof. Dr.

Bin-Juine Huang

National Taiwan University, Mechanical Engineering, Taipei

Taiwan

Mr.

Mohamed Bara

Alfateh University, Tripoli

Libya

Dr.

Mitja Koir

Faculty of Civil and Geodetic Engineering, University of Ljubljana

Slovenia

Dr.

Mateja Dovjak

Faculty of Civil and Geodetic Engineering, University of Ljubljana

Slovenia

Dr.

Heiner Menzel

CDM Consult GmbH Dept. of Deep Geothermal Energy

Germany

Dr.

Wietze Lise

Ecorys Energy & Environment, Rotterdam

Netherlands

Dr.

Heinz-Theo Mengelkamp

Anemos GmbH, Adendorf

Germany

Prof.Dr.

Jean-Louis Chaumel

Univ. of Quebec, Rimouski

CANADA

Mr.

Gustav R. Grob

VP & CEO, GEOCOGEN AG

Switzerland

Ph.D

Martha Katafygiotou

Cyprus University of Technology /Department of Environmental Management, Limassol

Cyprus

Dr.

Andrea Bodenhagen

Global Marketing Director, United Solar Ovonic Europe GmbH, Mainz

Germany

Dr.

Kleber Facchini (MS)

AMSC Business Development, New Berlin

United States

Dr.

İbrahim KALYON

Yıldız Technical University, Naval Architecture and Marine Engineering Department

Turkey

Ph.D

Ahmet Yasin Demirhan

Yıldız Technical University, Mechanical Engineering Department, İstanbul

Turkey

Prof.

Akgün Kalkan

INORES, Engineering, istanbul

Turkey

Ms.

Manolya AKDEMİR

İzmir Institute of Technology

Turkey

Prof. Dr.



M. Norbert Fisch

IGS, TU Braunschweig

Germany

Dr.

Onur Ünlü

ESCON Energy Systems and Devices

Turkey

Mr.

Jan Vornberger

OFFIS –FuE Bereich Energie | R&D Division Energy  
Escherweg 2 - 26121 Oldenburg

Germany

Dr.

Irfan Yousuf

Alternative Energy Development Board, Islamabad

Pakistan

Dr.

Levent Çolak

Başkent University, Ankara

Turkey

Mr.

Stefan Schurig

World Future Council, Hamburg

Germany

Dr.

Rabi Karaali

Kocaeli University, KOCAELI

Turkey

Ms.

Selma Şekercioğlu

Marmara University European Union Institute, İstanbul

Turkey

Ph.D

Anis Radzi

University of Liechtenstein, Vaduz

Liechtenstein

Dr.

Takanobu Kosugi

Ritsumeikan University, Kyoto

Japan

Assoc. Prof.

Fatma KARACA

Marmara University, Department of Chemistry, Göztepe-Kadıköy, Istanbul

Turkey

Dr.

Giulia Fiorese

Politecnico di Milano, Milano

Italy

Prof.

Ali Hamzeh

Damascus University, Damascus

Syria

Mr.

Kamil B. VARINCA

Yıldız Technical University, İstanbul

Turkey

Mr.

Gıyasettin Güneş

İSKİ, Department of Wastewater Treatment

Turkey

Mr.

Ali Kindap

Zorlu Energy Group, Istanbul

Turkey

Mr.

Cheri Hart

Marketing Communications Manager American Superconductor Corp. (NASDAQ:AMSC)

USA

Mr.

Bobat Alaeddin

Kocaeli University, Arslanbey Campus, Kocaeli

Turkey

Dr.

Müjde Altın

Dokuz Eylül University, Faculty of Architecture, Buca, İzmir

Turkey

Dr.

Despina Serghides

Cyprus University, of Technology /Department of Environmental Management, Limassol

Cyprus

Mr.

Abdullah Onur Kısar

FICHTNER GmbH Center, Germany- İstanbul Department Wind Energy

Turkey

Mr.

Tihomir Denev

National Institute of Meteorology and Hydrology, Sofia

Bulgaria

Mr.



Seden Savaşkan

Project Legal Consultant, Gresoresent

Turkey

Ph.D

Marios Theophilou

Cyprus University of Technology /Department of Environmental Management, Limassol

Cyprus

Dr.

Yusuf Alper KAPLAN

Anadolu University, Electrical and Electronics Engineering, Eskişehir

Turkey

Mr.

Ömer Moltay

LEED AP, BREEAM Assessor, Mimta Ltd. Kucukkoy - Istanbul

Turkey

Prof.

Lamine KADI

Université Abdelhamid Ibn Badis Mostaganem

Algeria

Mr.

Abdolreza Rahmanifar

National Iranian Oil Company, Shoushtar,

Iran

Mr.

Mahmoud Abbasi Fakhr

Mohaghegh Ardabili University, Faculty of Agriculture, Department of Agricultural Machinery, Ardabil

Iran

Prof.

Salah Larbi

LGMD- Department of Mechanical Engineering. Polytechnic National School of Algiers

Algeria

Ms.

Banu ERTURAN

M.S.G.S.Ü, İSTANBUL,

Turkey

Mr.

Abdeen Mustafa Omer

ERI, 17 Juniper Court, Nottingham

UK

M.Sc

Leyli Ariyanfar

Science and Research Campus, Islamic Azad University, Tehran

Iran

Dr.

Yosef Jabareen

Faculty of Architecture and Town Planning Technion-High Institute of Technology, Haifa,

Israel

M.Sc

Yusuf Oktay

Marmara University, İstanbul,

Turkey

Ph.D

Evren Can ÖZCAN

EÜAŞ, Ankara,

Turkey

Ph.D

Enes YAŞA

İSTANBUL Culture University, İstanbul,

Turkey

Ph.D

Tanguy FITZGERALD HUBERT

French Environment and Energy Management Agency / Georgia Institute of Technology, Paris / Atlanta

France

Dr.

Emre Alpman

Marmara University, İstanbul

Turkey

Prof.

Salah Larbi

LGMD- Department of Mechanical Engineering. Polytechnic National School of Algiers

Algeria

Prof. Dr.

Erzat Erdil

Karabük University

Turkey

Mr.

M.Numan KAYA

Karamanoğlu Mehmetbey University, Karaman

Turkey

Prof.

Akbar Mamadrizokhonov

Khorog State University Republic of Tajikistan

Tajikistan

Dr.

Drishtysingh Ramdenee

WERL , Rimouski

Canada

Mr.



Jaber Mirzaei

Monenco Consulting Engineering Co., Tehran

Iran

Mr.

Majid Behboodi

Science and Research Campus, Islamic Azad University  
Department of Energy Engineering

Iran

Dr.

Ahmet Lokurlu

SOLITEM GmbH, Aachen

Germany

M.Sc

Bijan Molaie

Eslamshahr, Tehran

Iran

Ph.D

Deniz Yener

WWF-Türkiye (Doğal Hayatı Koruma Vakfı) Istanbul,

Turkey

Dr.

Arvydas Galinis

Lithuanian Energy Institute, Kaunas

Lithuania

Mr.

Ayhan Ufuk KINIK

Marmaray Coordination Commission

Turkey

Mr.

Mohamad Reza Azmi

Karmayeh System Consulting Engineers, Tehran

Iran

PhD.

Sonay Aykan

New Jersey Institute of Technology

Urban systems / Architecture

Astoria – UnitedStates

USA

Mr.

Vahid Khalajzadeh

Monenco Company,

Iran

Mr.

Benyamin Ghojoghi

Iran University of Science and Technology

Iran

PhD.

Banu ERTURAN

*Mimar Sinan*

*Fine Arts*

*University, İsta*

Turkey

Assoc. Prof.

Didarul Islam

Department of Mechanical Engineering, The Petroleum Institute,P.O. Abu Dhabi, UAE.

UAE

Ms.

Sedef Budak

Secret Power Energy

Turkey

Mr.

Erwin Marckx

EUROBAT, Brussels

Belgium

Dr.

Zeynep Durmuş Arsan

İzmir Institute of Technology, Faculty of Architecture, İzmir

Turkey

Dr.

Yoram Krozer

University Twente, Amsterdam

Netherlands

Prof.

Claudia Bettiol

Bettiol&partners, Roma

Italy

Prof.

Luca Sorbello

Bettiol&partners, Roma

Italy

Dr.

Akepati Sivarami Reddy

Thapar University, Patiala

India

Prof.

Kamal Amin

Petroleum Institute, ADNOC, Mechanical Engineering, Abu Dhabi

UAE

Mr.

Altan Kaya ALTAY

Research & Development MİTAŞ Companies, Ankara



Turkey

Dr.

Öykü Bilgin

Atatürk University, Oltu Faculty Of Earth Sciences, Mining Engineering , Erzurum

Turkey

Ms.

İlknur Kaplan

Türk Loydu Foundation, istanbul

Turkey

PhD

Tereza Zemlova

Tereza Zemlova, ICT Prague, Prague, Czech Republic ICT Prague, Prague,

Czech Republic

Prof.

Oğuz Uzol

METU, Ankara

Turkey

Dr.

Arne Gravdahl

WindSim AS, Fjordgaten 15, N-3125 Tonsberg

Norway

Mr.

Melih Kurt

Fraunhofer IWES, Kassel

Germany

Mr.

Jiri Hruby

Institute of Chemical Technology in Prague, Prague

Czech Republic

Dr.

Maxime Kinet

SAMTECH, Liege

Belgium

Mr.

Allan Provins

Environmental Economist and Technical Director for the Environment Consultancy Ltd (EFTEC).

UK

Mr.

Rohit Mistry

Senior Economist, Economics for the Environment Consultancy Ltd (EFTEC).

UK

Mr.

Ian Dickie

Senior consultant environmental economist and Director of Business Development at the Environment C

UK

Ms.

Lale Capalov

Managing Partner at the Environment Consultancy Ltd (EFTEC).

UK

Mr.

Koray ALTINKILIÇ

Nordex

Turkey

Dr.

Gül Kurt

*Kocaeli University*

-

*Electrical Engin*

Turkey

Dr.

David Owain Clubb

European Environment Agency, Copenhagen

Denmark

Dr.

Egemen Sulukan

Marmara Üniversitesi, İstanbul

Turkey

Dr.

Nuri Ersoy

*Mechanical Engineering*

,

*Boğaziçi Unive*

Turkey

Ms.

Ebru ARICI

ARI-ES ENERJİ, İzmir

Turkey

M.Sc.

Duygu Aral

Izmir Institute of Technology Faculty of Architecture Department of Architecture, Izmir

Turkey

Mr.

Mahmut F. Akşit

Mechatronics Engineering Faculty of Engineering and Natural Sciences, Sabanci University Orhanli Tuzla

Turkey

Mr.

Murat Makaracı

Mechanical Engineering Department, Faculty of Engineering, Kocaeli University

İzmit, Kocaeli

Turkey

Mr.

CihangirGençoğlu



Senior Researcher, TÜBİTAK UZAY, Power Systems Department, Ankara

Turkey

Mr.

Preben Maegaard

Senior vice president, EUROSOLAR

Denmark

Mr.

Aytuğ Elmalı

ERDEMİR Engineering Management and Consultancy Services, Zonguldak

Turkey

## **PARTICIPATING INSTITUTIONS**

Alfateh University, Tripoli Libya

Alternative Energy Development Board, Islamabad Pakistan

American Superconductor Corp. USA

Anadolu University, Electrical and Electronics Engineering, Eskişehir Turkey

Anemos GmbH, Adendorf Germany

ARI-ES ENERJİ, İzmir Turkey

Atatürk University, Oltu Faculty Of Earth Sciences, Mining Engineering , Erzurum Turkey

Azad University, Science and Research Campus, Islamic Tehran Iran

Başkent University, Ankara Turkey

Bettiol&partners, Roma Italy

Bogazici University – Institute of Environmental Sciences, Istanbul, Turkey

Boğaziçi University, Istanbul Mechanical Engineering, Turkey

CDM Consult GmbH Dept. of Deep Geothermal Energy Germany

Cyprus University of Technology /Department of Environmental Management, Limassol Cyprus

Damascus University, Damascus Syria

The Petroleum Institute, Department of Mechanical Engineering, Abu Dhabi, UAE.

Dokuz Eylül University, Faculty of Architecture, Buca, İzmir Turkey

Ecorys Energy & Environment, Rotterdam Netherlands

Environment Consultancy Ltd (EFTEC). UK

ERI, 17 Juniper Court, Nottingham UK

ESCON Energy Systems and Devices Turkey

Eslamshahr, Tehran Iran

EUROBAT, Brussels Belgium

European Environment Agency, Copenhagen Denmark

EUROSOLAR Denmark

EÜAŞ, Ankara, Turkey

Faculty of Civil and Geodetic Engineering, University of Ljubljana Slovenia

FICHTNER GmbH Center, Germany- İstanbul Department Wind Energy Turkey

Fraunhofer IWES, Kassel Germany

French Environment and Energy Management Agency / Georgia Institute of Technology, Paris, France

Atlanta, United States USA

GEOCOGEN AG Switzerland

Gresoresent Turkey

ICT Prague, Prague, Czech Republic

IGS, TU Braunschweig Germany

INORES, Engineering, istanbul Turkey

Iran University of Science and Technology Iran

Islamic Azad University Science and Research Campus, Department of Energy Engineering  
Iran

Izmir Institute of Technology Faculty of Architecture Department of Architecture, Izmir Turkey

İSKİ, Department of Wastewater Treatment Turkey

İstanbul Culture University, İstanbul, Turkey

İzmir Institute of Technology, Faculty of Architecture, İzmir Turkey

Karabük University Turkey

Karamanoğlu Mehmetbey University, Karaman Turkey

Karmayeh System Consulting Engineers, Tehran, Iran

Khorog State University Republic of Tajikistan Tajikistan

Kocaeli University, KOCAELI Turkey

Kocaeli University-Electrical Engineering Turkey

Kocaeli University Mechanical Engineering Department, Turkey

LEED AP, BREEAM Assessor, Mimta Ltd. Kucukkoy - Istanbul Turkey

Lithuanian Energy Institute, Kaunas, Lithuania

Marmara University European Union Institute, İstanbul Turkey

Marmara University, Department of Chemistry, Göztepe-Kadıköy, Istanbul Turkey

Marmara University, İstanbul, Turkey

Marmaray Coordination Commission Turkey

ETU, Ankara Turkey

Mimar Sinan Fine Arts University, İstanbul Turkey

Mimar Sinan G.S.Ü, İstanbul, Turkey

Mohaghegh Ardabili University, Faculty of Agriculture, Department of Agricultural Machinery,  
Ardabil Iran

Monenco Consulting Engineering Co., Tehran, Iran

National Institute of Meteorology and Hydrology, Sofia Bulgaria

National Iranian Oil Company, Shoushtar, Iran

National Taiwan University, Taiwan

New Jersey Institute of Technology Astoria – USA

Nordex Turkey

OFFIS –FuE Bereich Energie | R&D Division Energy Oldenburg Germany

Petroleum Institute, ADNOC, Mechanical Engineering, Abu Dhabi UAE

Politecnico di Milano, Milano Italy

Polytechnic National School of Algiers LGMD- Department of Mechanical Engineering. Algeria

MITAŞ Companies, Ankara Turkey

Ritsumeikan University, Kyoto Japan

Sabancı University Tuzla İstanbul

SAMTECH, Liege Belgium

Secret Power Energy Turkey

SOLITEM GmbH, Aachen Germany

Technion-High Institute of Technology, Faculty of Architecture and Town Planning Haifa, Israel

Thapar University, Patiala India

TÜBİTAK UZAY, Power Systems Department, Ankara Turkey

Türk Loydu Foundation, istanbul Turkey

United Solar Ovonic Europe GmbH, Mainz Germany



Univ. of Quebec, Rimouski CANADA

Université Abdelhamid Ibn Badis Mostaganem Algeria

University of Liechtenstein, Vaduz Liechtenstein

University Twente, Amsterdam Netherlands

WERL , Rimouski Canada

WindSim AS, Tonsberg Norway

World Future Council, Hamburg Germany

WWF-Türkiye,İstanbul Turkey

Yıldız Technical University, Mechanical Engineering Department, İstanbul Turkey

Yıldız Technical University, Naval Architecture and Marine Engineering Department Turkey

Zorlu Energy Group, Istanbul Turkey