



## UFTP & IEA-PVPS Workshop

### Advantages Of and Possible Issues Surrounding Grid-Connected PV Power Systems

February, 16<sup>th</sup> 2011

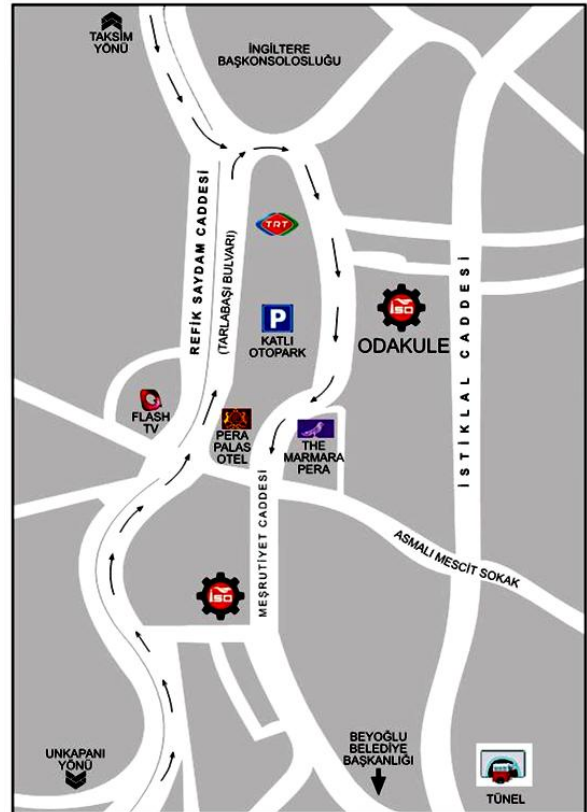
Venue: ODAKULE, İstiklâl Caddesi. No: 142 34430  
Beyoğlu-İstanbul

#### Introduction

Turkish PV Technology Platform (**UFTP**) covers public bodies, local authorities, universities, trade and professional chambers and industrial companies under the leadership of **Ege University Solar Energy Institute** and with financial support of **TÜBİTAK** (The Scientific & Technological Research Council of Turkey). The platform has been commissioned to execute **IEA-PVPS** (International Energy Agency-Photovoltaic Power Systems) activities on behalf of Turkish Government. **UFTP** creates contact points in decision making bodies of private, public and international research institutions and industry organizations and aims to define an accurate and effective **PV Technology Roadmap** for Turkey.

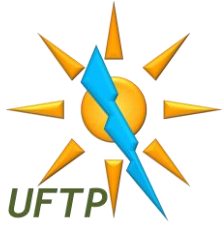
In collaboration with the IEA-PVPS, UFTP will host an exceptional workshop on **16<sup>th</sup> Feb., 2011** naming "**Advantages of and Possible Issues Surrounding Grid-Connected PV Power Systems**". Workshop will be held in the İstanbul Chamber of Industry's **Odakule Conference Hall** with the participation of 22 IEA-PVPS member countries' representatives, along with the **EPIA** (European Photovoltaic Industry Association) and **SEPA** (Solar Electric Power Association – USA) representatives.

In the heart of the İstanbul, workshop aims to investigate the issues involving grid integration of PV power systems on an international basis. Event will be joined by ministerial representatives, distribution companies and private companies and other directly relevant bodies.



Sponsors:





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## Program

**08:00-09:00 – Registration and Welcome**

**09:00-10.30 – Opening Ceremony**

- Prof. Dr. Sıddık İçli, Chairman of **UFTP** (Turkish PV Technology Platform)
- “Global co-operation towards sustainable deployment of photovoltaic power systems”, Mr. Stefan Nowak, Chairman of **IEA-PVPS**, Vice-chairman of **EUPVPLATFORM**
- “Large scale PV deployment in the Mediterranean region”, Mr. Roberto Vigotti, Coordinator of the **Renewable Energy Industry Advisory Board of IEA**.
- "Current Status of PV Market, Grid Parity Concepts and Potential until 2020 and 2050", Mr. Gaetan Masson, Senior Economist, **EPIA**
- Prof. Dr. Günnur Koçar, Director of **Ege University Solar Energy Institute**
- Mr. Tanil Küçük\*, Chairman of **İSO** (İstanbul Chamber of Industry)
- Mr. Taner Yıldız\*, **Minister of Energy and Natural Resources**

**10:30-11:00 – Coffee break**

**11:00-12:30 – Session 1 – The international dimension of grid-connected PV**

Chair: **Prof. Dr. Metin Çolak**, Executive Board Member of **UFTP**

- “Trends in grid-connected PV applications: observations from 15 years of IEA PVPS international surveys”, **Mr. Greg Watt**, Manager of **IEA-PVPS Task 1, Australia**
- “Effects of the Renewable Energy Source Act (EEG) on the Development of the Photovoltaic Market in Germany”, **Dr. Lothar Wissing**, Project Management Jülich - Division Renewable Energies, Forschungszentrum Jülich GmbH and **IEA-PVPS Task 1, Germany**
- “Current status and future prospects of Grid Connected PV systems in Japan”, **Ms. Izumi Kaizuka**, RTS Corporation and Japan member of **IEA-PVPS Task 1, Japan**
- “How PV Inverters Support Electrical Grid Stability”, **Mr. Hakkı Karacaoğlan**, Sales Manager, Central & Eastern Europe, **SMA Solar Technology AG, Germany**

**12:30-14:00 – Lunch**

**14:00-15:30 – Session 2 – National Market development and support schemes**

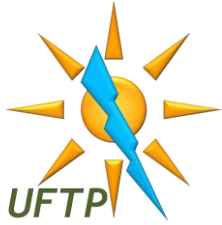
Chair: **Assoc. Prof. Dr. Engin Özdemir**, Kocaeli University and Manager of **UFTP-FVGS Group, Turkey**

- “Investment strategies for various national markets and global investment outlook”, **Mr. Pius Hüsser**, Nova Energie GmbH and **IEA-PVPS Task 1, Switzerland**
- “The United States: Approaching Grid-Connected PV One State at a Time”, **Ms. Carol Anna**, National Renewable Energy Laboratory (NREL) and **IEA-PVPS Task 1, USA**
- “The photovoltaic in Spain: stop-and-go”, **Dr. Vicente Salas**, Universidad Carlos III de Madrid and **IEA-PVPS Task 1, Spain**
- “An Unconventional and Innovative Solar Power Conversion Approach for Low FiT and Low Quality Grids”, **Fatih KAVASLAR**, Mavis A.S. and Member of **UFTP-FVGS Group, Turkey**

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**15:30-16:00 – Coffee Break**

**16:00-17:30 – Session 3 – Opportunities and Issues associated with grid-connected PV**

Chair: **Dr. Baha Kuban**, Advisory Board Member of **UFTP**

- “Utility Solar Business Models: Developing Value in Solar Markets”, **Mr. Tom Nicholas**, Regional Director Central U.S. - Solar Electric Power Association (SEPA) and **IEA-PVPS Task 1, USA**
- “PV inverters in a High PV Penetration scenario – Challenges and opportunities for smart technologies”, **Mr. Roland Bründlinger**, Austrian Institute of Technology and **IEA-PVPS Task 1, Austria**
- “The ECO-GRID Project and PV – a real life laboratory supported by the EU”, **Mr. Peter Ahm**, Director - PA Energy Ltd. and **IEA-PVPS Task 1, Denmark**
- “New forms of organisation for grid connected PV in the Netherlands”, **Mr. Otto Bernsen**, NL Agency Directorate of Energy & Climate Change and **IEA-PVPS Task 1, Netherlands**

**17:45-19:00 – PANEL - Evaluation of the workshop and recommendations for Turkey**

Moderator: **Prof. Dr. Şener Oktik**, Arıkanlı Holding and Executive Board Member of **UFTP**

- **Mr. Hubert Fechner**, University of Applied Sciences Technikum Wien- Director Renewable Urban Energy systems - Head of Renewable Energy Institute and General Secretary of **Austria PV Technology Platform**
- **Mr. Greg Watt**, Manager of **IEA-PVPS Task 1, Australia**
- **Mr. Gaetan Masson**, Senior Economist, **EPIA**
- **Assoc. Prof. Dr. Engin Özdemir**, Kocaeli University and Manager of **UFTP-FVGS Group, Turkey**
- **Dr. Baha Kuban**, Advisory Board Member of **UFTP**

\*: Awaits confirmation

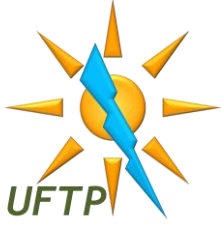
**19:15-21:00 – COCKTAIL**

**THE PEAK HOTEL**, Meşrutiyet cad. Oteller sk.No:1/3 34430 Tepebaşı/İSTANBUL

Location Map: <http://www.thepeakhotel.com.tr/en/location/>

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## SPONSORS



**Istanbul Chamber of Industry:** İstanbul Chamber of Industry (İSO), founded in 1952, aims to fulfill the existing and future needs of the Turkish industry through information, training and consulting services, to improve the international competitiveness of our industry and country and to contribute to the development of the country as a whole. İSO, incorporating a dynamism and development with this understanding, is a non-governmental organization endeavoring to renew and enhance its services every day.

Web: <http://www.iso.org.tr>



**SMA Solar Technology AG:** SMA Solar Technology AG develops, produces and sells solar inverters and monitoring systems for photovoltaic applications. SMA is the world's largest producer in this segment and is the only vendor that has a product range with the matching inverter type for any module type and any power class. This applies for grid tied applications as well as island and backup operation. SMA Solar Technology AG is headquartered in Niestetal, near Kassel, and is represented on four continents by 15 foreign subsidiaries. This group of companies employs more than 5,000 employees and has been distinguished several times in previous years with awards for its outstanding performance as an employer. Since June 27, 2008, the Company has been listed in the Prime Standard of the Frankfurt Stock Exchange (S92), and since September 22, 2008, the Company's shares have been listed in the TecDAX. In 2009, SMA generated an earnings before interest and taxes (EBIT) of more than € 228 million from a turnover of more than € 934 million. This corresponds to an EBIT margin of over 24 %. For 2010, the SMA Managing Board expects record sales at the upper end of the sales forecast of 1.7 to 1.9 billion Euros. Web: <http://www.sma.de>



**Solimpeks Solar Energy Corp.:** Solimpeks Solar Energy Corp., founded in Konya, is a high quality solar thermal, hybrid collector and boiler manufacturer. Holding 18 quality certificates and multiple awards for environment friendliness, Solimpeks became the biggest exporter of Turkey with its high quality solar panels, invested in technology by focusing in R&D Works and achieved to be one of the first hybrid collectors' producers in the world. Being listed in one of the world's top 10 companies, Solimpeks continues to contribute in renewable energy field by expanding its production techniques.

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