

## Facts

- ▶ **Issues:** Technology, R&D, Production, Markets & Finance
- ▶ **Date:** January 2011
- ▶ **Venue:** Berlin, Germany

## Topics

- ▶ Market situation and perspectives
- ▶ The PV system and the role of the electrical components
- ▶ Photovoltaic modules - state of the art, technical developments, current problems and "to dos" for the manufacturers
- ▶ Inverters and their impact on the PV system
- ▶ Grid integration
- ▶ Reliability and life cycle of inverters
- ▶ Financing and bankability
- ▶ Monitoring
- ▶ Operating control and maintenance
- ▶ The PV Generator – its role in the PV system and how its efficiency can be improved
- ▶ Components such as inverters and other electrical elements, including their production, delivery and cost structures
- ▶ Semiconductor producers: which are their hot topics

## Target Groups

- ▶ Component manufacturers (modules, inverters, junction boxes, transfer stations, monitoring systems, etc.)
- ▶ Energy providers and grid-net-work operators
- ▶ Project developers and planners
- ▶ Finance providers
- ▶ Representatives from policy making bodies, the press and professional associations
- ▶ The entire semiconductor industry and component manufacturers in the field of power electronics
- ▶ Buyers, major distributors and installers of modules, inverters and BOS components
- ▶ Suppliers for the PV industry

## Solarpraxis

### Organiser

Solarpraxis AG is your one-stop provider of knowledge, technical expertise and services in the fields of engineering, publishing and conferences. Founded in 1989, the company has developed into a leading provider of consulting and services for the renewable energies sector.

### Conferences

Solarpraxis has been one of the leading organizers of conferences in the renewable energies sector since 1998. Its conferences are valued industry platforms which offer decision makers in the renewable energies industry opportunities for targeted networking and information exchange. They are well-established, close to the market and customer-oriented. Using a combination of specialist presentations and topical panel discussions, they examine the technology, development, financing and policies of the market, always focusing on practical benefits. Industry representatives are given the opportunity to share ideas, to follow and discuss the latest developments, and to meet representatives from politics, the press and the financial world.

### Conference management

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**Announcement and Sponsorship**

*January 2011,  
Berlin, Germany*

# **1<sup>st</sup> Inverter and PV System Technology Forum**

Technology, R&D, Production,  
Markets & Finance

# 1<sup>st</sup> Inverter and PV System Technology Forum

## Introduction

In the on-going discussions in the PV industry about cost reductions and technical optimisation, usually the focus lies just on the modules. However, it is important to optimise the entire system as a matched unit, not just the individual components; in this way the efficiency of the whole PV system can be increased and the price reduced at the same time.

The single-component perspective, which has been the rule so far, can lead to interactions that can result in poor yields or even catastrophic damage to the system. For example, excessive voltages can destroy the inverters, and wrong grounding or poor inverter selection can reduce the efficiency of the modules or, in the worst case, damage them severely. At the same time it is imperative to lower the cost of all the components and improve their efficiency – the steeper the fall in prices, the greater is the pressure on costs and performance.

Added to this comes the need to improve the future stability of the connection between PV systems and the electricity grid, which has to be done in close cooperation with the grid operators. As far as the investors are concerned, the demands for reliability, availability and the associated operational security of the entire PV system are always increasing. New ways are needed to meet these ever more demanding expectations.

The "1<sup>st</sup> Inverter and PV System Technology Forum" will take a close look at the interaction between the electrical components of the system, in particular at the inverter and monitoring components which form the interface between the modules and the grid.

The conference will deal with both the upstream (production and supply chain) and the downstream (planning, distribution, installation and operation) aspects of the electrical system.

The aim of the event is to bring together all those involved in the manufacture, planning and construction of a PV system, with a specific focus on the electrical systems and their interfaces, and how these can be optimised.



## Participation fees

### Registration "early bird"

▶ Standard	795 Euro
▶ Members of our partner associations	695 Euro
▶ Day-pass	445 Euro

### Registration after 19 November 2010

▶ Standard	895 Euro
▶ Members of our partner associations	795 Euro
▶ Day-pass	545 Euro

### Registration "late bird"

▶ Standard	995 Euro
▶ Members of our partner associations	845 Euro
▶ Day-pass	595 Euro

All prices excluding VAT.

## Become a sponsor

### Be there with the pace-setters of PV System Technology!

Thanks to its unique combination of topics and target groups, this Forum will offer the ideal venue for establishing new business contacts and initiating co-operative ventures. Use this opportunity to publicise your organisation's brand in front of the main players of the market: become a sponsor of the 1<sup>st</sup> Inverter and PV System Technology Forum 2011!

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We can offer you the following benefits, according to the option you choose:

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Advert on memory stick	yes	yes	yes	no	yes
Exhibition space in metres	3×1	1.5×1	–	–	1.5×1
Price in Euro	15.000	5.000	3.000	2.000	10.000**

\* all documents, adverts, websites, memory stick

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