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Program

29–30 March 2012, Vienna, Austria

PV Power Plants – EU 2012

3rd Annual Conference

PV Power Plants EU – Program

Thursday, 29 March 2012

Registration

09.30 Registration and get-together with snacks and drinks

Plenary Session

Competitiveness of photovoltaics for the long term

Photovoltaics are increasingly gaining importance within the field of power generation. How can its competitiveness be raised further and how can long-term stability of PV installations be secured?

Session Chair: *Jonathan Gifford, pv magazine, Germany*

10.30 **Welcome and opening words by Solarpraxis AG**

Anika Sperling, Solarpraxis AG, Germany

10.35 **Short introduction on the topic**

Jonathan Gifford, pv magazine, Germany

10.45 **Current European Research – How to make photovoltaics more competitive**

Ana Rosa Lagunas, CENER/EUREC, Spain

11.05 **PV Electricity and its competitiveness in the RE Mix – Is direct sale of PV already possible?**

Paula Mints, Navigant Consulting, USA

11.25 **Grid integration of PV power – an update and visions for the future**

Bernhard Beck, BELECTRIC, Germany

11.45 **Gew German FiT regulations and their impact on projects**

Christian Steinberg, Solarpraxis AG, Germany

12.05 **Plenary discussion / Questions of the press**

12.30 **Lunch**

Forum 1

Markets for PV Power Plants I: Beyond FITs and subsidies

In this session, speakers will give up-to-date information on markets for PV power plants. This includes shedding some light on markets with and without FITs as well as explaining strategies to deal with the challenges of limited space for power plants.

Session Chair: *Christian Grundner, eclareon GmbH, Germany*

14.00 **PV-Utility scale: perspective of an independent power producer (IPP)**

Dr. Zoltan Bogнар, Capital Stage AG, Germany

14.20 **PV economics without FIT regimes – LCOE and further issues**

Ralf Ott, Rödl & Partner, Germany

14.40 **Utility Scale PV on Europe's roofs – Strategies and opportunities**

Josefin Berg, IHS Emerging Energy Research, Spain

15.00 **PV Power Plants – When space is limited**

Andrea Bodenhausen, Solar Integrated Technologies GmbH, Germany

15.20 **Against all odds - best practice in the US**

Rudy Vetter, Greater Phoenix Economic Council, U.S.

15.40 **Questions and discussion**

16.00 **Coffee break**



Forum 2

Standardization and Securing Quality

Cost pressures and demands on higher efficiency present a major challenge for PV manufacturers and plant engineers. The optimisation of production processes as well as standardization are therefore playing key roles. Speakers in this session will focus on practical information, lessons learned and quality issues with reference to regulations.

Session Chair: *Christian Steinberg, Solarpraxis AG, Germany*

14.00 **Optimizing PV plant designs – from yield to LCOE**

Dr. Martin Bischoff, Siemens E R PV, Germany

14.20 **Typical issues during construction and operation of PV plants – lessons learned**

Jörg Oldorf, TÜV SÜD, Germany

14.40 **Bringing Underwriter Laboratories-like quality standards to the solar industry**

Robin Kobren, Dunmore Corp., U.S.

15.00 **Quality assurance of PV materials and modules: System optimization through the application of innovative characterization methods**

Gabriele Eder, OFI Austrian Research Institute for Chemistry and Technology, Austria

15.20 **Testing PV modules before installation – does this pay off?**

Dr. Michael Fuß, MJB Solutions GmbH, Germany

15.40 **Questions and discussion**

16.00 **Coffee break**



Thursday, 29 March 2012

Forum 1

Markets for PV Power Plants II: European countries and their neighbours

Although still small today, it is expected that the Eastern European markets will be growing. The overview of their status quo as well as their perspectives will be in focus at this session. Besides that, the conditions in neighbouring countries like Italy and Turkey will be discussed.

Session Chair: *Nikolai Dobrott, Apricum GmbH, Germany*

16.30 The Turkish PV market

Prof. Dr. Sener Oktik, SISECAM, Turkey

16.50 PV markets in Southeast Europe – Slovenia and other ex-Yugoslavian states

Dag Kralj, BISOL Group, Slovenia

17.10 The Bulgarian PV market

Evelina Stoykova, Sofia Energy Centre, Bulgaria

17.30 Recent developments in the Italian market

Harald Endl, UniCredit Leasing S.p.A., Austria

17.50 Questions and discussion

18.30 Bus Transfer to “Heuriger“ *

19.15 Dinner at Heuriger’s

Forum 2

Operation and Recycling

With growing rates of PV power plants installation, the need for raw materials rises. Therefore, recycling becomes more and more crucial, also for economic reasons.

Session Chair: *Manfred Bächler, PerVorm GmbH, Germany*

16.30 Today’s safety of PV Power Plants

Martin Lütgens, els Spelsberg, Germany

16.50 Recycling during construction and after lifecycle of PV Power Plants

Siegfried Schimpf, Gehrlicher Solar AG, Germany

17.10 PV CYCLE System: Fulfilling the take-back and recycling obligation on PV power plants

Virginia Gómez, PV CYCLE aisbl, Belgium

17.30 Questions and discussion

18.30 Bus Transfer to “Heuriger“ *

19.15 Dinner at Heuriger’s

Friday, 30 March 2012

Forum 1

Technical requirements for a PV world beyond incentives

With decreasing incentives, the direct sale of solar electricity increasingly becomes the focal point of interest. In this session, experts will discuss the direct sale of solar electricity against the background of falling module prices and BOS costs. They will also deal with the upcoming hot topic of energy storage.

Session Chair: *Jens Altevogt, Renewables Academy AG (RENAC), Germany*

09.00 Falling module prices and their influence on direct sale of solar electricity

Kerstin Schmidt, REC Solar Germany GmbH, Germany

09.20 Measuring the competitive cost of energy

Ken Christensen, SMA Solar Technology AG, Germany

09.40 BOS-costs and after-sales-costs – Their influence on total cost of ownership

Manfred Bächler, PerVorm GmbH, Germany

10.00 Photovoltaic power output forecasting based on artificial neural network and sky image

Juan Miguel Andújar Morgado, Sun to market solutions, Spain

10.20 Temporary storage of PV electricity

Frédéric Ridou, Saft Batteries GmbH, Germany

10.40 Questions and Discussion, Panel Discussion

11.00 Coffee break with sweet and savoury snacks



Forum 2

Finance and Bankability

The financing of PV projects is becoming - especially in times of the financial crisis - an increasingly limiting factor. Crucial topics such as bankability and financing of PV projects in addition to technical information like due diligence will be discussed in this session.

Session Chair: *Paula Mints, Navigant Consulting, USA*

09.00 The myth of bankability

Sebastian Olbert, goetzpartners MANAGEMENT CONSULTANTS GmbH, Germany

09.20 Bankable performance assessment using satellite-based solar radiation data

Marcel Suri, GeoModel Solar s.r.o., Slovakia

09.40 Technical aspects of financing – the due diligence

Pablo Valera, Astrom Technical Advisors, Spain

10.00 Export-financing of PV-projects

Dr. Thomas Hillig, Innotech Solar AS, Germany

10.20 Risk awareness and risk mitigation to secure investment in PV projects

René Moerman, Solar Insurance and Finance, Netherlands

10.40 Questions and Discussion, Panel Discussion

11.00 Coffee break with sweet and savoury snacks



*Heuriger is a wine-tavern, where the recent year’s wine is served.

Friday, 30 March 2012

Forum 1

Power transmission and grid stability

The rapidly growing share of photovoltaic power has become a relevant factor in grid operation. PV must not challenge grid stability. In this session, experts will show possibilities to stabilize the grid as well as the opportunities PV power plants provide for grid stability.

Session Chair: *Martin Hellwig, EW Medien und Kongresse GmbH, Germany*

11.30 Advantages commercial PV power plants bring to the grid

Markus Kohler, Edisun Power, Germany

11.50 PV Power Plant control: Different approaches to enhanced grid stability

Monika Hennessen, Skytron energy GmbH, Germany

12.10 Monitoring PV power plants and their role in grid stability

Henrik te Heesen, meteocontrol, Germany

12.30 Questions and discussion, Panel Discussion

13.30 Closing remarks

13.45 End of conference

Registration fees

Registration from 19 March 2012

- ▶ *Standard* 1.045 €
- ▶ *Members of our partner associations* 895 €
- ▶ *Day-pass* 595 €

VAT not included. The price includes: Conference documentation, coffee breaks with snacks, lunch and dinner

Dinner at Heuriger's Thursday, 29 March

There will be a shuttle bus leaving the hotel at 18.30 h which will also return to the hotel after dinner.

Conference venue

NH Danube City


Wagramer Strasse 21
1220 Vienna
Austria
Phone +43 -1- 260-200

Conference management

Solarpraxis AG

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Industry Guide

In cooperation with  EPIA

“PV Power Plants 2012” 3rd Edition – June 2012

Print run: 15.000 copies.

Following the conference „PV Power Plants“ in Vienna, the industry guide will be first presented at Intersolar Europe in June 2012. This high-quality, English-language publication is the unique industry guide with a clear focus on large-scale PV plants. It will be distributed at trade events worldwide and to any other interested parties, free of charge.



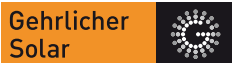
Download the 2nd edition at www.pv-power-plants.com • Contact: BingWang@Solarpraxis.de

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