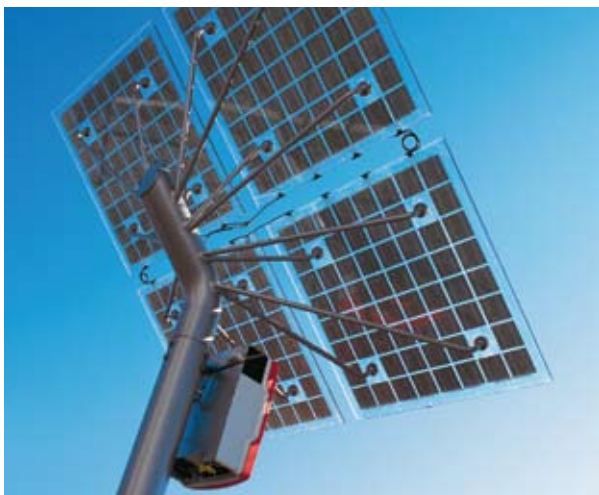




SOLARPRAXIS

engineering | conferences | publishing



Conference Program

27–28 February 2012

Hyatt Regency

San Francisco Airport

Inverter and PV System Technology Forum – USA 2012

Inaugural US Conference

*to discuss the interaction of electrical
PV system components*

www.solarpraxis.com

Inverter and PV System Technology – USA 2012

Welcome

Dear Ladies and Gentlemen,

I would like to welcome you to the global series of Inverter and PV System Technology Forums of which this is the first of these events to be hosted in the U.S.

Today's program includes 40 presentations from experts from the U.S. and around the world who will provide you with the perfect opportunity to share and discuss relevant experiences therein contributing to a more sustainable future.

In order to make this event even more valuable for you, we will make available the presentations, audio recordings of the sessions, a final attendee list and extensive film material within one week after the conference. You will be notified via email as soon as all of the information is available.

On behalf of the conference's sponsors and partners, I would like to wish you an exciting and enlightening event.

Sincerely,
David Gaden, Project Manager, Solarpraxis AG

The organizer

Solarpraxis AG is one of the leading knowledge service providers in the renewable energy sector. The company provides clients with expertise and professional services in the fields of engineering, conference organization and publishing.

Its B2B magazines include pv magazine and photovoltaik. International conferences organized by Solarpraxis provide a meeting point for decision makers from all fields of solar energy and are renowned for their quality program.

Conference management

Solarpraxis AG: David Gaden
Phone: +49 30 726 296 373
Email: davidgaden@solarpraxis.de

US Contact: Dahlia Stein
Phone.: +1 415 302 8675
Email: ds@decaconnect.com

Monday, February 27

08.00 Registration

09.00 Welcome address

David Gaden, Solarpraxis

09.10 Keynote speeches

*Carla Peterman, Commissioner,
California Energy Commission*

09.20 *Nancy Ryan, Deputy Executive Director and former
Commissioner, California Public Utility Commission*

Session 1

09.30 PV System Design and Performance Optimization

Moderator: *Paula Mints, Director (Energy),
Navigant Consulting*

Speakers:

- *Martin Mesmer, Engineering Manager PV Power Plants,
Siemens Energy*

Trends in System Design - Cause and Impact

- *Rusty Sage, Country Manager USA, Gestamp*
Performance Ratio: Evaluation & Implementation

- *Levent Gun, CEO, Ampt*

Can Module Electronics Increase ROI and Lower
Investment Risk at the Same Time?

- *Paul Grana, Sr. Manager, Tigo Energy*

Module-level Electronics: Beyond Energy Harvest

- *John R. Balfour, President & CTO, High Performance PV*

The Path to Performance Optimization,

“PV System Design and Application Theory (PV SDAT)”

10.45 Panel discussion/Q&A

11.15 Coffee Break

Session 2

11.45 PV Grid Integration and Infrastructure

Moderator: *Craig Lewis, Executive Director,
Clean Coalition*

Speakers:

- *Jon Eric Thalman, Director Regulatory Strategy &
Support, PG&E*

PV Integration Challenges and Opportunities at PG&E

- *Mj Shiao, Solar Analyst, GTM Research*

Increasing PV Demand through Grid-Integrated Smart
Inverters

- *Chris Chappell, Director California Business Operations,
Petra Solar*

- *Jeff Byron, VP Integrated Solutions, NRG Energy (former Commissioner of the California Energy Commission)*
Energy Policy Made Easy: How Lower Costs and Widespread Acceptance Are Working in California

13.00 Panel discussion/Q&A

13.30 Lunch

Session 3

14.30 Next Generation Inverters – Microinverters, Stand-Alone, and 1000V Inverters

Moderator: *Elmar Niewerth, CEO, Session Solar*

Speakers:

- *Bates Marshall, Director, Strategy and Business Development, Medium Power Solutions, SMA America*
Emerging Trends in Inverter Applications
- *Alvaro Zanon, Applications Engineer at REFUsoL Electronic*
Centralized vs. Decentralized Power Generation in PV Plants
- *Raghu Belur, VP of Products, Enphase Energy*
Microinverter Fundamentals: Experiences from the Field
- *Chris Davidson, Senior Product Manager, Siemens Industry*
PV Influence on Grid Stability
- *Patrick Chapman, CTO, SolarBridge Technologies*
Cost and Reliability Advantages of AC Modules

15.45 Panel discussion/Q&A

16.15 Coffee Break

Session 4

16.45 Certification Requirements and Permitting

Moderator: *Mignon Marks, Executive Director, CALSEIA*

Speakers:

- *George Langton, Lead Engineering Associate, UL*
Changes in US PV Inverter Requirements and Installation Codes
- *Jenya Meydbray, CEO, PV Evolution Labs*
Beyond Certification: Solar Panel Supplier Qualification Strategies
- *Colleen O'Brien, Senior Engineer, BEW Engineering*
Independent Engineer Perspective
- *John Berdner, General Manager North America, SolarEdge*
PV System Safety: Regulations and challenges

18.00 Panel discussion/Q&A

18.30 Networking Reception

Sponsored by **SIEMENS**

please see "complementary program" on page 7

Tuesday, February 28 · Session 5

09.00 Energy Storage & Smart Grid

Moderator: *Charles Thurston, U.S. Correspondent of pv magazine*

Speakers:

- *Dirk Morbitzer, Managing Director, Renewable Analytics*
Residential Storage Market Comparison – Germany and California
- *Christiane Serger, Director Business Unit Stationary Batteries, Systems Sunlight S.A.*
The most economical lead acid battery as energy storage solution for photovoltaic application.
- *Peter Asmus, Senior Analyst, Pike Research*
Microgrids, VPPs & Demand Response
Smart Grid Renewables Integration: How Advanced Inverters Are Changing the World
- *Andrew Riegler, Senior Product Manager, Schneider Electric*
PV System in a Box

10.15 Panel discussion/Q&A

10.45 Coffee Break

Session 6

11.15 Monitoring Systems, Performance Optimizers & Smart Combiner Boxes

Moderator: *HD Boesch, CTO, Mangan Renewables*

Speakers:

- *Thierry Arnaud, General Manager (Electronic Systems for Energy Management), Mersen*
Accurate PV monitoring system: a way toward PV performance guarantee and safer PV installations
- *Anton Kaeslin, President, Solar Data Systems*
Maximizing Return with System Monitoring
- *Ray Burgess, CEO, Solar Power Technologies*
How to maximize energy production and ROI over an array's 25+ year useful life?
- *David Seiler, Sales Manager, Power-One*
String Monitoring: Why use it and how to plan for it
- *Gene Krzywinski, CTO, Business Development, eIQ Energy*
PV Monitoring and Optimization for Lower Risk and Greater Rewards

12.30 Panel discussion/Q&A

13.00 Lunch

Session 7

14.30 System Cost Development

Moderator: *Daniela Schreiber, Executive Vice President, EuPD Research*

Speakers:

- *Stefan Müller, COO, Enerparc*
Cost Analysis and Value Engineering of a 80 MW power plant in Europe
- *Martin Hermann, CEO, 8minuteenergy*
A Developer's Perspective: Trends and Issues in Inverter and PV Systems Technologies
- *Elliott Gansner, General Manager (North America), pvXchange*
Driving profit through strategic purchasing
- *Deep Chakraborty, President and CEO, Centrosolar America*
Third-party leasing: Standardized PV Kits and their impact on overall cost and performance

15.45 Panel discussion/Q&A

16.30 End of conference

Program advisor



Boris von Bormann is founder and CEO of accessio (www.accessio.com), an independent consulting company that focuses on the cross-cultural business aspects. accessio specializes in working with foreign companies to facilitate the market entry to

the North American markets and US companies that are looking to enter the German market place.

4th PV Power Plants USA Conference

Phoenix, Arizona

November 28–29 2012



The fourth annual PV Power Plants Conference will once again be hosted in Phoenix, Arizona. This conference and expo will take place over a 2-3 day period beginning on November 28, 2012.

Be sure to join this event essential for project developers, EPCs, manufacturers, investors, political representatives and the press. The Call for Papers will be open through September 3rd and abstracts can be submitted via the website. If you are interested in speaking, sponsoring or exhibiting, please be sure to contact us.

Complementary program



Tour dasHaus

Join us in San Francisco (Fort Mason Center, 38 Fort Mason, San Francisco) for a complimentary tour of dasHAUS on Sunday, February 26th, 2012 from 11am-12pm. Come to learn about the solar technologies used to make dasHAUS energy efficient. Stay to enjoy views of the Golden Gate Bridge, stroll the Fort Mason Farmer's Market and explore nearby Fishermen's Wharf.

Networking reception

Sponsored by **SIEMENS**

Please join us in the Regency Foyer for a networking reception on Monday February 27 at 6:30 p.m. courtesy of our sponsor Siemens Industry, Inc. Stop by for a drink and chat with the many industry experts exhibiting at the conference, and make sure to stick around till 7:00 p.m. You may find yourself in for a special surprise!

Solar Meet-Up

organized by **DECA**

Tuesday, Feb. 28 beginning at 6:30pm
Information & RSVP: www.decaconnect.com

About Solar Meet-Up: Solar Meet-Up is an international platform bringing together solar industry professionals to discuss the industry's newest trends, leading companies, and market development. The events take place on a monthly basis in locations where the solar industry is rapidly developing and growing.

The Solar Meet-Up taking place on Feb. 28 will be organized by DECA Connect and sponsored by SMUD.

SFO PV System Tour

The San Francisco Public Utilities Commission (SFPUC) is responsible for the installation and O&M of 11 municipal solar installations. One of these installations is located on San Francisco's Airport (SFO) -Terminal 3 and generates 456 kW. This large single-roof PV system has a unique set-up in that the circular roof required a creative design which led to the installation of a dynamic mounting system allowing a full 90-degree "tilt up" which eases future inspections and cleaning.

SFO will be hosting a tour of the system on February 29 at 9am. Participation is limited so we encourage you to RSVP a.s.a.p. through Dahlia Stein (ds@decaconnect.com).

Sponsors and partners

Platinum sponsor

SIEMENS

Gold sponsors



REFU**sol**

Silver sponsor



With the support of



Platinum media partner

pv magazine

PHOTOVOLTAIC MARKETS & TECHNOLOGY

Media partners

energetica

greentechmedia:

LowCarbonEconomy.com™

Let's make it happen!



Micronews



PVTECH

RECHARGE

RENEWABLES INTERNATIONAL

RENI

Renewables Insight - Energy Industry Guides

RENEWABLE ENERGY WORLD NETWORK



SolarServer

Online Portal to Solar Energy

SUN & WIND ENERGY

Top 50 Solar