



PV Rollout

European American Solar Deployment Conference

Boston, USA
February 10th/11th, 2011

www.pvrollout.us

Thursday, February 10th, 2011

08.00 **Registration and Continental Breakfast**

Opening Session

Chair: Eicke Weber, Conference Chairman, Fraunhofer ISE, Freiburg, Germany

09.00 **Opening Address**

Eckardt Günther, OTTI, Regensburg, Germany

Eicke Weber, Conference Chairman, Fraunhofer ISE, Freiburg, Germany

Juris Kalejs, Conference Co-Chairman, American Capital Energy, North Chelmsford, USA

09.25	Welcome Speeches John Lushetsky , Department of Energy Washington, USA Benno Bunse , President & CEO, German American Chamber of Commerce, Inc., New York, USA Ian Bowles , Secretary of Energy Massachusetts, USA (tbc.)
09.45	Presentation of the Sponsor Schletter American Capial Energy German High Tech Champions (GHTC) Gilbert Kalb, Headquarters of the Fraunhofer-Gesellschaft, Munich, Germany
PV Markets	
Chair: John Lushetsky , Department of Energy Washington, USA Bettina Weiss , Executive Director, PV Group, SEMI PV Group, San Jose, USA	
10.00	Global Solar Market Overview and Future Competitiveness Paula Mints, Navigant Consulting, Palo Alto, USA
10.15	Insights into the US Downstream Market Markus A.W. Hoehner, EuPD Research, Bonn, Germany
10.30	The U.S. PV Market: What Does the Future Hold? Shayle Kann, GTM Research/Greentech Media, Cambridge, USA
10.45	Discussion
11.10	Coffee Break
Modules	
Chair: Nolan Browne , Fraunhofer Center for Sustainable Energy Systems, Cambridge, MA, USA Harry Wirth , Fraunhofer ISE, Freiburg, Germany	
11.55	PV Module Technology - Between 25 Years Warranty and Innovation Christian Höpfner, Fraunhofer Center for Sustainable Energy Systems, Cambridge, USA
12.10	Evaluation of PV Performance Models and Their Impact on Project Risk Christopher P. Cameron, Sandia National Laboratories, Albuquerque, USA
12.25	PV Module efficiency analysis and optimization Ingrid Hädrich, Fraunhofer ISE, Freiburg, Germany
12.40	Implications of the Environmental Durability of PV Modules David Dumbleton, Atlas Material Testing Technology LLC, Chicago, USA
12.55	Discussion
13.15	Lunch

Inverters	
Chair: Charles Hanley , Manager, Photovoltaics and Grid Integration, Sandia National Laboratories, Albuquerque, USA	
14.30	Inverter Challenges and Trends in the New Paradigm of High Penetration PV Tucker Ruberti, Advanced Energy/PV Powered, Fort Collins, USA
14.45	Challenges and Opportunities for Companies Bringing European Technology to North America Jurgen Krehnke, SMA America, Rocklin, USA
15.00	Module Power Optimizers – Latest Developments in Distributed Power Harvesting Technology John Berdner, SolarEdge, Grass Valley, USA
15.15	PV Systems Reliability: Developing Integrated Tools Through Industry Partnerships Michael Quintana, Sandia National Laboratories, Albuquerque, USA
15.30	Inverter Development for Utility-Scale PV Michael Zuercher-Martinson, Solectria Renewables, Lawrence, USA
15.45	Discussion
16.10	Coffee Break
Grid Integration	
Chair: Juris Kalejs , Conference Co-Chairman, American Capital Energy, North Chelmsford, USA Roland Schindler , Fraunhofer Center for Sustainable Energy Systems, Cambridge, USA	
16.45	Micro Grids and Smart Grid Tie In Rolf Bienert, TUV Rheinland of North America, Tempe, USA
17.00	PV Power Development at National Grid Ed White, National Grid, Waltham, USA
17.15	
17.30	Utility-Scale Systems Integration Experiences with Brownfield PV Installations Tom Hunton, American Capital Energy, North Chelmsford, USA
17.45	Generic Models of PV Systems for Transmission Planning Studies Michael R. Behnke, BEW Engineering, San Ramon, USA
18.00	Discussion
18.30	End of the first Conference Day

18.30	Welcome Reception and Conference Dinner Dinner Speech Vertical Integration in Manufacturing through Engineering Networks - Tools for Open Innovation Ditmar Ihlenburg, FESTO AG, Esslingen, Germany
Friday, February 11th, 2011	
Financing and Risk Management	
Chair: Craig Cornelius , Managing Director, Hudson Clean Energy, Teaneck, NY, USA	
07.30	Continental Breakfast
08.30	US Solar Expansion: Finance and Development Jesse Grossman, Soltage, LLC, Jersey City, USA
08.45	Financing of PV Projects Stefan Schmitz, Reed Smith LLP, London, UK
09.00	Feed-In Tariff Design: Implications for Financing Wilson Rickerson, Meister Consultants Group, Boston, USA and Matthew Karcher, Deacon Harbor Financial, Irving, USA
09.15	Rafael Dobrzynski, Enfinity America Corporation, Atlanta, USA
09.30	Creating the Financial Structure for American PV Investments Laurance H. Friedman, Regeneration Finance, LLC., New York, USA
09.45	Discussion
10.15	Coffee Break
PV Power Plants	
Chair: Travis Bradford , President Prometheus Institute, Chicago, USA	
10.50	Module and BOS Cost Elements for Utility-Scale PV Juris Kalejs, Conference Co-Chairman, American Capital Energy, North Chelmsford, USA
11.00	Elie Nasr, SMA America, LLC., Rocklin, USA
11.15	Existing Building Codes and Optimization Potential of PV Mounting Systems Wolfgang Fritz, Schletter Inc., Tucson, USA
11.25	Complete Documentation of PV Mounting Systems with the Help of Building Standards Dirk Herfurth, Mounting Systems GmbH, Rangsdorf, Germany

11.40	Experience Building the Largest CPV Solar Power Plant in the US Clark Crawford, Concentrix Solar Inc., San Diego, USA
11.55	Advances in Concentrating Photovoltaic Technology: Achieving Grid Parity Now Vahan Garboushian, Amonix, Seal Beach, USA
12.10	Discussion
12.40	Information about the Technical Tour Fraunhofer CSE and National Grid
12.45	Closing Remarks Eicke Weber, Conference Chairman, Fraunhofer ISE, Freiburg, Germany Juris Kalejs, Conference Co-Chairman, American Capital Energy, North Chelmsford, USA
13.00	End of the Conference
13.00	Light Lunch
14.00	Technical Tour: Fraunhofer CSE and National Grid