

Table of Contents

Thank You Note	
Organisational Guidelines	
Chairmen's Message	
Programme Outline – Timetable	
Conference Programme	
Opening Session	
Chair: Eicke Weber , Conference Chairman, Fraunhofer ISE, Freiburg, Germany	
09.45	German High Tech Champions (GHTC) Gilbert Kalb, Headquarters of the Fraunhofer-Gesellschaft, Sankt Augustin, 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
Modules	
Chair: Nolan Browne , Fraunhofer Center for Sustainable Energy Systems, Cambridge, MA, USA Harry Wirth , Fraunhofer ISE, Freiburg, Germany	
12.00	Evaluation of PV Performance Models and Their Impact on Project Risk Christopher P. Cameron, Sandia National Laboratories, Albuquerque, USA
12.15	PV Module efficiency analysis and optimization Ingrid Hädrich, Fraunhofer ISE, Freiburg, Germany

Table of Contents

12.30	Implications of the Environmental Durability of PV Modules David Dumbleton, Atlas Material Testing Technology LLC, Chicago, USA
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
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
	PV Power Development at National Grid Ed White, National Grid, Waltham, USA
17.15	Utility-Scale Systems Integration Experiences with Brownfield PV Installations Tom Hunton, American Capital Energy, North Chelmsford, USA
17.30	Things you should know – Development of PV Arrays on Brownfields George D. Naslas, Weston & Sampson, Peabody, USA
17.45	Generic Models of PV Systems for Transmission Planning Studies Michael R. Behnke, BEW Engineering, San Ramon, USA

Table of Contents

18.30	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	
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
09.30	Creating the Financial Structure for American PV Investments Laurance H. Friedman, Regeneration Finance, LLC., New York, USA
PV Power Plants	
Chair: Travis Bradford , President Prometheus Institute, Chicago, USA	
10.40	Module and BOS Cost Elements for Utility-Scale PV Juris Kalejs, Conference Co-Chairman, American Capital Energy, North Chelmsford, USA
11.00	Evolution of PV Plants Interconnection Requirements 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

Table of Contents

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
Portrait of Sponsors	
Schletter Inc.	
American Capital Energy	
List of Sponsors	
List of Authors	
For your notes	
