

# CONFERENCE PROGRAMS

## Monday, July 13, 2009

09:00am – 10:45am	<b>Emerging Solar Energy Markets in Africa, Latin America and Caribbean</b>	<b>Smart Grid: Maximizing the Value of Solar Power Generation – Grid Taxonomy and Outlook</b>	<b>Challenges in Crystalline Silicon Manufacturing</b>	<b>SolarTech Performance Symposium</b> Module Performance & Certification
10:45am – 11:15am	Break			
11:15am – 01:00pm	<b>Emerging Solar Energy Markets in Africa, Latin America and Caribbean</b>	<b>Smart Grid: Maximizing the Value of Solar Power Generation – Building an Integrated Electricity Grid</b>	<b>Challenges in Crystalline Silicon Manufacturing</b>	<b>SolarTech Performance Symposium</b> Module Performance & Certification
01:00pm – 02:00pm	Lunch			
02:00pm – 03:45pm	<b>The Role of Public Policy in U.S. PV Market Development</b>	<b>Smart Grid: Maximizing the Value of Solar Power Generation – Storage, Enabling Baseload Performance</b>	<b>Challenges in Crystalline Silicon Manufacturing</b>	<b>SolarTech Performance Symposium</b> Design Engineering, Monitoring, Financing
03:45pm – 04:15pm	Break			
04:15pm – 06:00pm	<b>The Role of Public Policy in U.S. PV Market Development</b>	<b>Smart Grid: Maximizing the Value of Solar Power Generation – Smart Grid-Services</b>	<b>Challenges in Crystalline Silicon Manufacturing</b>	<b>SolarTech Performance Symposium</b> Shifting the conversation from \$/W to \$/kWh

Registration for events and a detailed conference program schedule is available on [www.intersolar.us](http://www.intersolar.us)

## Tuesday, July 14, 2009

09:00am – 10:45am			<b>Growth Opportunities in the New PV-Market:</b> Projects, Finance and Policy	<b>PV Beginner Basics Workshop:</b> Fundamentals, Technical and Legal Aspects of PV Systems	<b>ST Beginner Basics Workshop:</b> Fundamentals, Components, Systems and Installation	
10:45am – 11:15am						
11:15am – 01:00pm	<b>Opening Session</b>		<b>Growth Opportunities in the New PV-Market:</b> Projects, Finance and Policy	<b>PV Beginner Basics Workshop:</b> Fundamentals, Technical and Legal Aspects of PV Systems	<b>ST Beginner Basics Workshop:</b> Fundamentals, Components, Systems and Installation	
01:00pm – 02:00pm	Lunch					
02:00pm – 03:45pm	<b>Photovoltaic Technology (1)</b> Innovative Concepts for Cells & Modules: Crystalline Silicon	<b>Solar Thermal Technology (1)</b> Solar Thermal Markets: Current State and Future Trends	<b>Building Integrated Solutions:</b> Building Integrated Solutions for Photovoltaic and Solar Thermal	<b>Growth Opportunities in the New PV-Market:</b> Projects, Finance and Policy	<b>PV Beginner Basics Workshop:</b> Fundamentals, Technical and Legal Aspects of PV Systems	<b>ST Beginner Basics Workshop:</b> Fundamentals, Components, Systems and Installation
03:45pm – 04:15pm	Break					
04:15pm – 06:00pm	<b>Photovoltaic Technology (1)</b> Innovative Concepts for Cells & Modules: Thin Film	<b>Solar Thermal Technology (1)</b> Solar Thermal Power Plants	<b>Building Integrated Solutions:</b> Building Integrated Solutions for Photovoltaic and Solar Thermal	<b>Growth Opportunities in the New PV-Market:</b> Projects, Finance and Policy	<b>PV Beginner Basics Workshop:</b> Fundamentals, Technical and Legal Aspects of PV Systems	<b>ST Beginner Basics Workshop:</b> Fundamentals, Components, Systems and Installation

The Conference Committee Chairman is Professor Dr. Eicke R. Weber, Director of the Fraunhofer Institute for Solar Energy Systems (ISE). In addition to Professor Weber, the Conference Committee consists of 15 industry experts and professionals from around the world. Please visit our conference program webpage for the complete list of committee members.

## Wednesday, July 15, 2009

09:00am – 10:45am	<b>Photovoltaic Technology (2)</b> Market & Technology Outlook: The Future of PV	<b>Solar Thermal Technology (2)</b> Innovative Concepts for Collectors and Absorbers	<b>Solar Gigawatts Symposium</b> Learning from European Success and American Ambition		<b>PV Planner/Installer Workshop 1</b> PV-Systems < 30 kWp-Design, Installation and Commissioning	<b>ST Planner Basics Workshop:</b> Planning, Design and Building Integration	
10:45am – 11:15am	Break						
11:15am – 01:00pm	<b>Photovoltaic Technology (2)</b> Market & Technology Outlook: The Future of PV	<b>Solar Thermal Technology (2)</b> Solar Air-conditioning	<b>Solar Gigawatts Symposium</b> Learning from European Success and American Ambition		<b>PV Planner/Installer Workshop 1</b> PV-Systems < 30 kWp-Design, Installation and Commissioning	<b>ST Planner Basics Workshop:</b> Planning, Design and Building Integration	
01:00pm – 02:00pm	Lunch						
02:00pm – 03:45pm	<b>Photovoltaic Technology (3)</b> System Technology, Inverters & Off-grid Systems	<b>Solar Thermal Technology (3)</b> Innovative System Technologies	<b>PV Equipment and Materials Manufacturing</b> Market Outlook	<b>Solar Gigawatts Symposium</b> Learning from European Success and American Ambition	<b>Local Renewables</b> Urban Policy and Planning for Sustainable City Development	<b>PV Planner/Installer Workshop 1</b> PV-Systems < 30 kWp-Design, Installation and Commissioning	<b>ST Planner Basics Workshop:</b> Planning, Design and Building Integration
03:45pm – 04:15pm	Break						
04:15pm – 06:00pm	<b>Photovoltaic Technology (3)</b> Large Scale PV Power Plants / Concentrating PV	<b>Solar Thermal Technology (3)</b> Technology Outlook: Future Perspectives	<b>PV Equipment and Materials Manufacturing</b> Market Outlook	<b>Solar Gigawatts Symposium</b> Learning from European Success and American Ambition	<b>Local Renewables</b> Urban Policy and Planning for Sustainable City Development	<b>PV Planner/Installer Workshop 1</b> PV-Systems < 30 kWp-Design, Installation and Commissioning	<b>ST Planner Basics Workshop:</b> Planning, Design and Building Integration

## Thursday, July 16, 2009

09:00am – 01:00pm	<b>Solar Start-ups Forum</b>	<b>Challenges in PV Thin Film Manufacturing</b>	<b>PV Planner/Installer Workshop 2</b> PV-Systems < 30 kWp-Design, Installation and Commissioning	<b>ST Installer Basics Workshop:</b> Modern Mounting and Installation, Materials, Faultfinding&Optimizing
01:00pm – 02:00pm	Lunch			
02:00pm – 06:00pm		<b>Environmental, Health &amp; Safety Symposium for PV Manufacturing</b>	<b>PV Planner/Installer Workshop 2</b> PV-Systems < 30 kWp-Design, Installation and Commissioning	<b>ST Installer Basics Workshop:</b> Modern Mounting and Installation, Materials, Faultfinding&Optimizing

- Policy and Markets
- Photovoltaic Technology
- PV-Equipment and Manufacturing
- Solar Thermal Technology
- Performance, Standardization and Installation

# CONFERENCE PROGRAMS

## Photovoltaic Technology Tracks

The PV technology series will shed light on industry-wide trends for high efficiency cells as well as improvements in thin film and system technologies. New market potential and low cost approaches will be discussed by researchers and product specialists. Those invited include, all industry decision-makers, producers and distributors of solar cells or components, project developers, integrators, utilities representatives, investors, financiers and analysts who are interested in future PV trends.

- Concepts for Cells & Modules ● Crystalline Silicon
- Thin Film ● Future Technology Trends ● Growth Markets
- Project Planning & Financing ● System Technologies
- Inverter Technologies ● On-grid Systems
- Off-grid Systems ● Large Scale PV Power Plants
- Concentrating PV

## Solar Thermal Technology Tracks

With the adoption of the "Stimulus Package" and the removal of the tax relief cap, many barriers have been removed to help spur the development of the solar thermal industry. This year, the solar thermal tracks are expanded to cover the various hot topics of the US solar thermal industry. Audiences will include industry decision-makers, producers and distributors of solar thermal products, engineers, project developers, installers, utilities representatives, investors, financiers and analysts and those who are interested in the future of solar thermal.

- Current State and Future Trends ● Solar Thermal Markets
- Collectors Technologies and Mirrors ● Heat Storage Tanks
- Absorbers Technologies ● Concentrating Technologies
- Solar Thermal Power Plants ● Solar Air-conditioning
- Large (Utility) Scale Installations ● Project Development

## PV Equipment and Materials Manufacturing Technology Tracks

These sessions provide insight into the trends, processes and challenges of the PV manufacturing supply chain (materials, equipment and production).

- Challenges in PV Thin Film Manufacturing
- Challenges in Crystalline Silicon Manufacturing
- PV Equipment and Materials Manufacturing
- Market Outlook ● Environmental, Health & Safety (EHS)

## Policy Analysis and Workshops

Governments regularly make decisions that affect the way companies do business. It is critical to understand the impact that legislation and regulations can have on your business. Our political topics will be of interest to all business executives, government affairs and public policy personnel, project developers, investors and consultants. There will be emphasis placed on the latest developments on the local and federal levels in the U.S. as well as market and industry developments in the leading European solar markets to identify lessons applicable to the US market.

- The Role of Public Policy in U.S. PV Market Development
- Growth Opportunities in New PV Markets ● Emerging Solar Energy Markets in Africa, Latin America and the Caribbean
- Local Renewables – Urban Policy & Planning for Sustainable City Development

## Performance, Standardization and Installation

The SolarTech symposium offers a unique opportunity to join in a conversation with peers and be part of the solution for complex performance-related challenges. Attendees will gain insight into the downstream, end-market challenges to provide customers with predictable systems and to generate a dialogue on the evolution and standardization of performance metrics across the solar industry.

Various practical workshops will provide the latest knowledge about planning, design, materials, mounting and installation issues for PV and solar thermal systems. System planning engineers, planning contractors, technicians and installers with basic knowledge and experience as well as plumbing and heating contractors and installers are welcome to educate on important milestones and methods.

- Performance-related Challenges ● Testing ● Best Practices and Methodologies in Certification Processes ● Standardization
- Installation of PV Systems ● Installation of Solar Thermal Systems

## CONFERENCE PARTNERS



Photo and cover photo (right) courtesy of Loren Geller