	2nd Inverter and PV System Technology Forum 2012
	Technology, R&D, Production, Markets & Finance
	23 and 24 January 2012, Berlin, Germany
	Monday 23 January 2012
8:00	**Registration and get together with snacks and drinks**
	Opening Session **PV in Germany today, 2015 and 2050 - How to achieve 200 GW?**
	What is technically possible today, what will be the challenges as PV takes an increasing share of the energy supply? What are the benefits of PV and how can these be highlighted and improved? What proportion of solar-power is feasible by when and what will be the implications for networks and consumers? How will the total energy mix look in 2015, and in 2050? What would happen if we actually had 50-60 or even 200 GW of PV power in the grid? What roles do policy, the utilities and the solar industry play here?
	Chair: Michael Fuhs, Chief editor photovoltaik
10:00	**Welcome and opening words**
	Karl-Heinz Remmers, Solarpraxis AG
10:10	**State of Play: The role of photovoltaics in the energy transition, full integration, alternatives to the Renewable Energy Law (EEG): What are the solutions from a political perspective, how long will the current regulations last? And what comes next?**
	Ursula Heinen-Esser, Staatssekretärin, BMU*
10:30	**Role of photovoltaics in the future energy mix: What comes after the current regulations? How much photovoltaic power is realistic, what is feasible, and at what level of remuneration/price?**
	Prof. Dr. Volker Quaschning, HTW Berlin - University of Applied Sciences
10:50	**Aktuelle und zukünftige Herausforderungen der Netzintegration aus Sicht der Solarwirtschaft**
	Prof. Dr. Bernd Engel, BSW-Solar, Chairman Working Group Power Grid
11.10	**What is possible for the energy utilities; how much PV can the grid stand?**
11.30	**What must be changed in the infrastructure to increase the amount of photovoltaic power?**
	Dr. Martin Braun, Fraunhofer Institut für Windenergie und Energiesystemtechnik (IWES)
11:45	**Coffee break**
	A Photovoltaic Future: The Solution - Energy Storage?
	Is energy storage the future basis for the development of large scale renewable energies? If so, how it will look in practice? Decentralized storage in private homes or large-scale centralized storage by the energy utilities? What's the break-even point for storage? What do energy walls, with large energy storage areas cost? How do the different scenarios appear? And what role will the policies, utilities, solar industry, technology and consumers play in establishing solutions for energy storage?
	Chair: Michael Fuhs: Chief Editor, photovoltaik
12:15	**Keynote speech:** **Energy Storage in the distribution grid - the solution for the future energy supply?**
	Jochen Link, Fraunhofer ISE
12:30	**Discussion with policy makers, photovoltaic specialists, stakeholders from the energy industry**
13:30	**Lunch**
	Grid Integration and Stabilization
	Role of photovoltaics in grid stabilization, challenges for utilities and grid operators in the grid-integration of distributed energy feeds, supply networks of the future, safety, standardization, output limiting of PV systems, proportion of PV electricity in total energy mix and implications for networks and consumers, certification and its role for grid integration
	Chair:
14:30	**How does peak PV power fit into a communal grid network?**
	Holger Ruf, Institut für Energie- und Antriebstechnik, Hochschule Ulm*
14:50	**Optimized solar harvesting with improved grid compatibility by local energy management**
	tba, SMA Solar Technology AG*
15:10	**The Certification of PV Inverters and Systems, in particular UL and IEC compliance**
	Heike Thomas, UL International Germany GmbH
15:30	**Certification of large PV systems: state of play**
	Holger Becker, M.O.E. Moeller Operating Engineering GmbH*
15:50	**Advanced PV plant control systems for global, utility-scale PV applications**
	Mahesh Morjaria, First Solar Electric, LLC
16:30	**Coffee break**