

Smart Solutions Forum

**Smart Integration of Photovoltaic & other Renewable
Energy Systems into the Network for a Sustainable
Growth**

Programme

Congress Center Frankfurt, Conference rooms 4+5

**Organized Jointly by WIP/EU PVSEC and
EU Photovoltaic Technology Platform**

25th September 2012



Summary

The forum *Smart Solutions* is a parallel event organized in the framework of the 27th EU PVSEC in Frankfurt, Germany on 25.09.2012. The forum will consist of three sessions related to Smart Buildings by using Information and Communication Technologies (ICT), Storage and Smart Integration Solutions. All three sessions will cover an overview on market and economic issues and their benefits. The target group are industrial representatives from the ICT sector, storage, transmission and distribution grid operators, consultancies, RTD research and those who are interested for integrating Photovoltaic in a smart way in the building sector and into the electrical grid.

Programme

Chair: Wim Sinke, Chairman European Photovoltaic Technology Platform & Programme Development Manager ECN Solar Energy

10.00	10.10	Welcome to the event	Wim Sinke, ECN
10:10	10:20	Introduction	Ingrid Weiss, WIP
		<i>Session I: Smart Buildings</i>	
		Co-Chair: Wim Sinke, Chairman European Photovoltaic Technology Platform & Programme Development Manager ECN Solar Energy	
10.20	10.45	Overview of the Smart Build Project, Integration of Information and Communication Technologies (ICT) for reducing energy demand in public buildings with photovoltaic system	Silvia Caneva, WIP
10.45	11.15	ICT design concepts for public buildings	Francesco Besana, Tosoni Group
11.15	11.45	Solar Energy and Architecture: Case studies and experience of IEA Task 41	Laura Maturi, EURAC
11.45	12.00	<i>Discussion</i>	All
12.00	13.00	<i>Lunch break</i>	
		<i>Session II: Storage</i>	
		Co-Chair: Patrick Clerens, Secretary General, EU Association for Storage Energy (tbc)	
13.00	13.30	Storage in Micro-Grids	Raquel Garde, CENER
13.30	14.00	Vanadium Redox Flow batteries	Hugh Sharman, Prudent Energy
14.00	14.30	What is the best storage for RES or PV?	Paul Raats, Kema
14.30	15.00	<i>Discussion</i>	All
15.00	15.30	<i>Coffee Break</i>	
		<i>Session III: Smart Integration Solutions</i>	
		Co-Chair: Pavla Mandatova, eurelectric	
15.30	16.00	How much PV can be integrated?	Martin Braun, Fraunhofer- IWES

16.00	16.30	Smart Grid Solutions	Martin Rapos, IBM
16.30	17.00	Vision of Energy Layers of Smart Integration of RES for Europe	Anett Schülke, NEC Laboratories Europe
17.00	17.30	Technical, Economic and Social benefits for Smart System Integration	Hans Auer, TUW-EEG
17:30	18:00	The approach of the Italian Distribution System Operator (DSO): Enel Distribuzione	Riccardo Lama, Enel Distribuzione
18.00	18.15	<i>Discussion</i>	All
18.15	18.30	<i>Concluding remarks of all three Sessions</i>	Wim Sinke, ECN