

# IP Performance Final Forum

## *Setting the Standards for the PV industry*

### *"From PV module testing to system performance"*



Hotel Montemalaga  
Malaga, Spain,  
3 December 2009



## Programme

<b>9:30</b>	<b>Registration</b>	
<b>10:00</b>	<b>Welcome &amp; introduction</b>	Günther Ebert, Fraunhofer ISE Daniel Fraile, EPIA
<i>10:10</i>	Keynote	Heinz Ossenbrink, EC DG JRC
<b>10:30</b>	<b>Session 1: Rating power and energy in the PV industry</b>	
<i>10:30</i>	Progress in measurement practices for PV module calibration Recommendations for power measurement in PV industry	Werner Hermann, TÜV
<b>11:30</b>	<b>Coffee break</b>	
<i>12:00</i>	Optimised procedures for characterisation of module energy yield	Hans-Dieter Moring, ZWS
<i>12:20</i>	Energy yield prediction (and energy rating)	Gabi Friesen, SUPSI
<i>12:40</i>	Energy rating for the entire lifetime	Ralph Gottschalg, CREST
<b>13:00</b>	<b>Lunch Break</b>	
<b>14:00</b>	<b>Session 2: Lifetime of PV modules</b>	
<i>14:00</i>	How do we assess the lifetime of materials and PV modules?	Michael Köhl, Fraunhofer ISE
<i>14:20</i>	Degradation of PV modules for different technologies	Tony Sample, EC DG JRC
<i>14:40</i>	Qualification of new components for modules	Kenneth Möller, SP
<i>15:00</i>	Life cycle assessment (LCA) and Life cycle cost	Frank Lenzmann, ECN
<b>15:30</b>	<b>Coffee Break</b>	

<b>16:00</b>	<b>Session 3: Maximising System output</b>	
16:00	Guidelines for optimal system monitoring	Nicola Pearsall, Northumbria university
16:30	Building Integrated PV: Status, Application and Test methods	Berrie van Kampen, TNO
17:00	PV standards overview	Ewan Dunlop, EC DG JRC
17:45	Conclusions and future activities	Ewan Dunlop, EC DG JRC Günther Ebert, Fraunhofer ISE
<b>18:00</b>	<b>End of the conference</b>	

**Event organized by**

