

**IEA TECHNOLOGY ROADMAPS: SOLAR ELECTRICITY**  
**2014 Updates - 1<sup>st</sup> Workshop**  
**3-4 February 2014 - IEA Headquarters – Room 2**  
 9, rue de la Fédération 75015 Paris

**Agenda**

<b>Day 1: Solar Thermal</b>	
<b>9:45</b>	<p><b>Welcome and workshop introduction</b>            Didier Houssin, Director Sustainable Energy Technology Policy, IEA</p> <p><b>The IEA technology roadmaps</b>            Cecilia Tam, ETP, IEA</p>
<b>10:15</b>	<p><b>Session 1: STE/CSP Market Status</b></p> <p><i><b>Presentation: Overview of current market trends for CSP plants</b></i>            Speaker: Luis Crespo, ESTELA</p> <p><b>Focus: Outlook for STE/CSP deployment to 2018</b>            Speaker: Michael Waldron, RED, IEA</p> <p><b>Focus: LCOE of STE</b>            Speaker: Jenny Chase, BNEF</p>
<b>11:30</b>	<b>Coffee break</b>
<b>11:45</b>	<p><b>Session 2: Vision</b></p> <p><i><b>Presentation: STE deployment in the 2DS and hiRen scenario</b></i>            Speaker: Cédric Philibert, RED, IEA</p> <p><b>Focus: linear vs. central receiver systems</b>            Speaker: Elisa Prieto Casaña, Abengoa Solar</p>
<b>13:00</b>	<b>Lunch</b>
<b>14:15</b>	<p><b>Session 3: Solar thermal technologies -linear systems</b></p> <p><i><b>Presentation: Overview of parabolic troughs and linear Fresnel receivers</b></i>            Speaker: Frank Lenzen, SchottSolar</p> <p><i><b>Presentation: Large Scale CLFR</b></i>            Speaker: Rémy Flandin, Areva</p> <p><b>Focus: Unconventional non-imaging optics</b>            Speaker: Manuel Collares Pereira, Universidade de Évora</p>

	<p><b>Focus: Solar Boosters in fossil-fuel plants</b> Speaker: Frédéric Siros, EDF</p>
<b>15:30</b>	<b>Coffee/tea break</b>
<b>15:45</b>	<p><b>Session 4: Solar thermal technologies – point-focus systems</b></p> <p><i>Presentation: Overview of central receiver and dish systems</i> Speaker: Christoph Richter, SolarPACES</p> <p><b>Focus: DSG solar towers</b> Yoel Gilon, BrightSource</p> <p><b>Focus: DSG molten-salt towers</b> Speaker: Bill Gould, SolarReserve</p> <p><b>Focus: Air solar towers with gas turbines</b> Speaker: Gilles Flamant, CNRS</p>
<b>17:00</b>	<b>Wrap-up</b>
<b>18:00</b>	<b>End of Day 1</b>
<b>Day 2: Solar Photovoltaics</b>	
<b>9:00</b>	<p><b>Welcome and introduction to day 2</b> <b>Keisuke Sadamori, Director Energy Markets and Security</b></p> <p><b>Brief summary of Day 1</b> Paolo Frankl, Head of RED, IEA</p>
<b>9:30</b>	<p><b>Session 1: Market Status</b></p> <p><i>Presentation: Overview of current market trends for PV systems</i> Speaker: Gaëtan Masson, EPIA</p> <p><b>Focus: Outlook for PV deployment to 2018</b> Speaker: Michael Waldron, RED, IEA</p> <p><b>Focus: LCOE of PV</b> Speaker: Jenny Chase, BNEF</p>
<b>10:45</b>	<b>Coffee break</b>
<b>11:00</b>	<p><b>Session 2: Vision</b></p> <p><i>Presentation: PV deployment in the 2DS and hiRen scenario</i> Speaker: Uwe Remme, ETP, IEA</p> <p><b>Focus: Vision on the LCOE of PV until 2030</b> Speaker: Johannes Mayer, Fraunhofer-ISE</p>

	<p><b>Focus: PV vs. STE in an emerging economy</b> Speaker: Paul Gauché, Stellenbosch University</p>
12:15	<b>Lunch</b>
13:30	<p><b>Session 3: PV Technologies - modules</b></p> <p><i>Presentation: Overview of PV modules</i> Speaker: Philippe Malbranche, CEA-INES</p> <p><b>Focus: Thin films</b> Speaker: Daniel Lincot, IPVF-IRDEP</p> <p><b>Focus: Cost-effective high-efficiency 1-sun modules</b> Speaker: Wim Sinke, ECN</p> <p><b>Focus: Industrial perspective for back-junction c-Si module</b> Speaker: Veronique Jolivet, Total New Energy</p>
14:45	<b>Coffee/tea break</b>
15:00	<p><b>Session 4: PV Technologies - systems</b></p> <p><i>Presentation: Overview of PV systems</i> Speaker: Stefan Nowak, PVPS</p> <p><b>Focus: High-Concentration PV</b> Speaker: Frédéric Bouvier, Soitec</p> <p><b>Focus: Soft costs</b> Speaker: Thierry Lepercq, Solairedirect</p> <p><b>Focus: Combining Solar PV and wind farms</b> Speaker: Fabrizio Bizzarri, Enel</p>
16:15	<b>Wrap-up</b>
17:15	<b>End of workshop</b>