

PSE 2012 – Tutorial 2
Sunday, September 09, 2012, 9:00 – 18:00
Congress Center of Garmisch-Partenkirchen, Room Dreitorspitze

Thin films for conversion of solar energy

In this tutorial current challenges in the thin film technology for conversion of solar energy (photovoltaics and solarthermics) as well as examples for successful manufacturing of thin film solar cells and solar absorbers will be discussed.

The tutorial will be chaired by Günter Bräuer and Volker Sittinger, Fraunhofer-Institut für Schicht- und Oberflächentechnik, Braunschweig (GER).

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| 9:00-10:30 | Solar thermal collectors
Rolf Reineke-Koch, Institut für Solarenergieforschung
Hameln/Emmerthal gGmbH, Hameln/Emmerthal |
| 10:30-10:40 | Break |
| 10:40-12:10 | Concentrated Solar Power
N.N. |
| 12:10-13:00 | Lunch |
| 13:00-14:30 | Thin film photovoltaic aSi/μc-Si tandem, CIGS and CdTe solar cells
Part 1, market over view and basics
Günter Bräuer, Volker Sittinger, Fraunhofer-Institute for Surface
Engineering and Thin Films, Braunschweig,
Onno Gabriel, PVcomB - Competence Centre Thin-Film- and
Nanotechnology for Photovoltaics Berlin |
| 14:30-14:40 | Break |
| 14:40-16:10 | Thin film photovoltaic aSi/μc-Si tandem, CIGS and CdTe solar cells
Part 2, Deposition techniques for thin film silicon solar cells |
| 16:10-16:30 | Coffee Break |
| 16:30-18:00 | Thin film photovoltaic aSi/μc-Si tandem, CIGS and CdTe solar cells
Part 3, Deposition techniques for CIGS and CdTe solar cells |