

CMT's 1st Asia Summit Polymer Apps in PV

16-17 June 2011 / SHANGHAI
InterContinental Shanghai Pudong

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DAY 1 - 16 June 2011, Thursday

- 08:00 Registration & Coffee
- 09:00 Chairman's Welcome & Introduction
- 09:10 **Rationalising Costs & Performance: Customizing for Application and Location Specific**
*Srinivasamohan Narayan
Vice President (Technology)
Hanwha Solarone*
- 09:45 **Photovoltaics Market – Present and Future Trends**
- 10:20 **Solar Market Outlook for China – What are the Implications for Polymer Material Suppliers?**
*Dylen Liu, Vice President
Pacific Epoch*
- 10:55 Discussion followed by Refreshment Break
- 11:30 **Role of Polymers in Organic Photovoltaic – Market & Material Challenges**
- 12:05 **Expediting Time to Market of PV Modules by Meeting International Standards**
 - Which international standards should be covered?
 - Start with the basic module
 - How to design the approbation road map?*Dr. Qiang Han, General Manager
VDE GS Shanghai*
- 12:40 Discussion followed by Networking Lunch

- 14:00 Chairman's Remarks
- 14:05 **Current Status of Requirements for Backsheet Material**
*Jacky Bai, General Manager
(Solar/Fuel Technologies & PV Components)
TUV Rheinland (Shanghai) Co., Ltd*
- 14:30 **Fluoropolymer or Non-Fluoropolymer: Study of the Relationship of Backsheet Performance and Material Properties**
 - Why fluoropolymer for Photovoltaic backsheet
 - Performance of fluoropolymer backsheet and relationship to material properties/film structure
 - Benchmark analysis of backsheets with various materials*Anthony Bonnet, Photovoltaic & Industrial Development Manager
Arkema*
- 15:00 **Market for Polyolefins Encapsulant Films**
- 15:30 Discussion followed by Refreshment Break
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- 16:00 **Advanced/Hydrolysis PET Films for Durability in PV Modules**
- 16:30 **Polyvinylbutyral (PVB) in Developing Building Integrated Photovoltaics (BIPV)**
*Dr. Bernd Koll, Technical Marketing Manager
Kuraray Europe GmbH*
- 17:00 Discussion followed by End of Day One

DAY 2 - 17 June 2011, Friday

- 09:00 Chairman's Remark
- 09:10 **EVA Outlook: Global & Regional Market Trends & Capacities**
David Anderson, Business Director (Global Polyolefin Solutions), Townsend Solutions
- 09:40 **EVA vs. PVB vs. TPU – Technology Advancements for Solar Encapsulants**
 - Comparison of solar encapsulant technologies
 - Technological advancements / trends
 - Cost reduction levers in action*Christopher L. Reed, Global Business Director
(Photovoltaics), Solutia*
- 10:10 **Processing Behaviour and Mechanical Properties of Encapsulates in PV Modules**
*Stefan Schulze, Team Leader Polymer Materials
Fraunhofer - Center for Silicon Photovoltaics CSP (Fraunhofer-Center für Silizium-Photovoltaik CSP)*
- 10:40 Discussion followed by Refreshment Break
- 11:10 **Potential of Bio-Based Polymer for PV Applications**
- 11:40 **Sealants and Adhesives for Photovoltaics – Markets Beyond 2012**
- 12:10 **Innovations in Polymeric Materials for Junction Box and Other Applications**
- 12:40 Final Discussion followed by Closing Lunch
- 14:00 End of Conference