

3rd Polymer Apps in PV

11-12 July 2012, Shanghai
DoubleTree by Hilton Shanghai - Pudong



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into our 29th year

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Day 1 - 11th July 2012, Wednesday

08:00 Registration & Coffee

09:00 Chairman's Welcome & Introduction

09:10 **Solar Market Outlook in Asia**
Minnan Wang, Analyst, Solar Insight
Bloomberg New Energy Finance

09:40 **Maintaining Competitiveness in the Solar Industry**
• Improved sourcing of materials
• Increasing operational performance

10:10 **How to Optimize Modules Efficiency in PV System?**
Leo Ye, Technical Support Supervisor
Jinko Solar

10:40 Discussion followed by
Refreshment Break

11:10 **Building Integrated Photovoltaics: Moving Beyond Showcase Projects**
• Technological & commercial status
• Cost and standardization challenges
• Will BIPV ever become a major market?
Dr. Zhun Ma, Solar Analyst
Lux Research

11:40 **Global EVA Market Outlook for 2012**
• Trends in global encapsulant sheet production
• Competing materials
• Pricing trends
Stephen Moore, Associate
Townsend Solutions

12:10 **Development of Printable Light Harvesting Polymers for Organic Solar Cells**
Dr. Chen Zhikuan, Senior Scientist
*Institute of Materials Research & Engineering (IMRE), A*Star*

12:40 Discussion followed by
Networking Lunch

14:00 Chairman's Remarks

14:05 **Influence of Encapsulate and Backsheet Properties on PID-Resistance of Solar Modules**
Dr. Stefan Schulze
Team Leader Polymer Materials
Fraunhofer CSP

14:35 **Engineering Cost-effective Backsheets and Encapsulants: Possibilities of Coextruded Flexible PolyPropylene**
Ir. Francois Rummens, Quality Research & Technical Support Manager
Renolit Belgium

15:05 **Functional and Performance Requirements for Polymeric Backsheets in PV Modules**
Dr. Oakland Fu
Technical Service Specialist
DuPont (China) R&D Center

15:35 Discussion followed by
Refreshment Break

16:05 **Combination of Polymer and Fluoropolymer Films for Back Sheet**
Karlheinz Brust
Technical Director (Solar Materials)
Krempel GmbH

16:35 **Assessments of Key Barrier Materials Used in PV Backsheets**
Neo Huang, Specialty Film Group Leader
Honeywell Integrated Technology

17:05 **Non-fluoropolymer Backsheets: Future Trends for Maximum Sustainability and Cost Efficiency**
Giorgio Longoni, Business Manager China
COVEME SpA

17:35 Discussion followed by End of Day 1

Day 2 - 12th July 2012, Thursday

09:00 Chairman's Remark

09:10 **Innovative Polymer Materials Offer Opportunities in PV Cell Packaging and Module Framing**
Florian Haacke, Partner
Apricum GmbH

09:40 **Traceability of Polymeric Components in PV Modules**
• Counterfeiting of materials in PV modules
• Traceability of products and materials
• Fingerprints, analytical methods
Christian Dreier, Vice General Manager of PV Module/Fuelcell Technologies
TUV Rheinland (Shanghai) Co. Ltd.

10:10 **Printable Solar Cells**
• Development of conjugated polymeric materials for solar cells
• Printing of solar cells
Dr. Ming Chen, Research Group Leader (Advanced Functional Molecules)
CSIRO Materials Science & Engineering

10:40 Discussion followed by
Refreshment Break

11:10 **Smart Coatings Technology for Increased Module Reliability**
Yu Ming
Business Development Manager
DSM

11:40 **Improving Dye-sensitized Solar Cells using Next Generation Materials (Polymers)**

12:10 Final Discussion followed by
Closing Lunch

13:30 End of Conference

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