



PV PRODUCTION FORUM 2011

TUESDAY, 06 SEPTEMBER
ORGANIZED BY EU PVSEC AND IPVEA

Best practices and case studies on how to increase
throughput, efficiency and save money in PV production



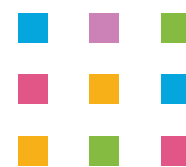
Exhibition Entrance Central, Level 3

→ Market Session: 08:30 - 11:45 Room Chicago

Exhibition Entrance Central, Level 2

→ Silicon Session: 13:30 - 18:00 Room Osaka

→ Thin Film Session: 13:30 - 18:00 Room St. Petersburg



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The Forum will feature presentations arranged around several focal topics including silicon and thin film production, which will be led by IPVEA members and other industry experts. The PV Production Forum 2011 will provide an essential opportunity for networking across all segments of the PV value chain along with informing its participants about the changing dynamics, technologies, and developments in the PV manufacturing supply chain.

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Market Session

08:30-11:45 – Room Chicago, Exhibition Entrance Central, 3rd floor

08:30-09:00

Status of the Global Equipment and Materials Market for PV Factories in the World



John West
President, VLSI Research

09:00-09:45

FAB Manager Panel Discussion



Moderator: Mark Osbourne
Senior Editor, PV-Tech.org



**Panelist:
Huang Qiang**
Vice President of Technology,
Director of State Key Lab of PV Science and
Technology, China. TRINA SOLAR LIMITED



Dr. Florian Holzappel
Chief Executive Officer, Calyxo GmbH



Dr. Pietro Rossetto
Chief Engineer of Wafer Unit and
Vice Director of Tech Center, LDK Solar



Dr. Stuart Wenham
Chief Technology Officer, Suntech

09:45-10:15

Reducing Manufacturing Cost/Wp through Smart and Forward-thinking Factory Planning, Design & Construction



Helfried Weinzerl
Business Development Manager Solar PV,
CH2M HILL

10:15-10:30

Break

10:30-11:15

Panel Session – Equipment Executive Roundtable Discussion



Moderator: Markus Hoehner
CEO, Hoehner Research & Consulting Group



**Panelist:
Dieter Manz**
Chief Executive Officer, Manz Automation AG



Peter Tinner
Head of Sales & Marketing, Oerlikon Solar



Dr. Peter Fath
CTO, Centrotherm Photovoltaics



Dr. Charlie Gay
President, Applied Solar



Dr. Patrick Hofer-Noser
CTO, Meyer Burger Technology Ltd

11:15-11:45

Integrated PV Value Chain – A Smarter Approach to Success!



Christian Seider
Solar Industry Leader Europe,
IBM Sales and Consulting

11:45 -13:30

Lunch Break

Silicon Session

13:30-18:00 – Room Osaka, Exhibition Entrance Central, 2nd floor

13:30-15:00

Considerations about the Return on Investment (ROI) for Online Analyzers in the Polysilicon Production



Dr. Akbar Tellenbach
Product Marketing, Siemens

Optimized Handling and Automation in Wafer and Cell Mass Manufacturing



Dr. Roland Wertz
Group Leader, Fraunhofer IPA

Novel Structuring Solution for Solar Cells via Etching Paste Deposited in a Dispensing Process



Dr. Andreas Reischl
Product Manager PV,
SCHILLER AUTOMATION

15:00-15:15

Break

15:15-16:45

Fully Integrated Tracking in the PV Industry



Sylvère Leu
Chief Innovation Officer,
Meyer Burger Technology

Latest Flexible Automation versus Manual Work in Mass Production of Cells and Modules



Carsten Busch
Head of Solar PV, ABB Automation

Modeling to Determine the Most Favourable Soldering Parameters in Respect to Cell Efficiency



Joachim Ufheil
Process Technology Specialist, Somont

16:45-17:00

Break

17:00-18:00

Solar Cell Conductive Film (SCF): A New Connecting Material between Ribbon and Solar Cells



Arnout Peters
Product Manager, Sony Chemicals Europe

High Quality Modules Production with 100 % In-Line Testing



Jean Revel
R&D Engineer, Komax Solar

Thin Film Session

13:30-18:00 – Room St. Petersburg, Exhibition Entrance Central, 2nd floor

13:30-15:00

Deposition of Backside Passivation Layers in Mass Production



Thomas Hengst
CSO, Roth & Rau

Vertical Integration – Benefits and Limitations



Klaus Eberhardt
Technology Manager PV, M+W Germany

Advanced Equipment for Thin Film PV Coatings on Glass



Jörg Hahn
Manager Sales & Marketing
Solar Division, Leybold Optics

15:00 - 15:15

Break

15:15-16:45

Gas Purification for Photovoltaic's



Gerd Hesser
Business Development
Photovoltaic's, Pall

Line Concepts for Thin Film Solar Lines



Egbert Wenninger
Vice President Sales,
Grenzbach Maschinenbau

CIGSSe Absorber Formation Equipment for High Scale Production



Dionysios Kolovos-Vellianitis
Product Manager - Solar Thin Films,
Singulus Technologies

16:45-17:00

Break

17:00-18:00

Efficiency Improvements and Shorter Return on Invest on Thin Film PV Modules



Thomas Umschlag
Head of sales clean room systems, Manz

In-line Monitoring of Layer Thickness and Composition of CIGS and CdTe Thin Film Layers



Steffen Uredat
R&D Department, LayTec in-line

ARE YOU IN?



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Wafer manufacturing. Cell production. Module assembly. Microinverters. Selective emitter. Yield management. OPV. Process control. Automatic bussing. Trackers. Turnkey systems. Backsheets. Roll coating. Remote monitoring. Quality standard testing. Insurance. Design.

Whether an investor, developer, or supplier the opportunities afforded by solar are endless. Be a part of it.

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Equipment Association – IPVEA**

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