

**PV Forum - Thin Films**

**Thursday, September 11<sup>th</sup>, 2008**

**13:30 - 17:50**

**Room 201DEF, 2F, Taipei International Convention Center, Taipei**

**Event Code : PVFM**

**Event Fee : NTD7,000 (2 day pass for 4 full PV courses)**

**Description:**

Thin-film photovoltaic modules are manufactured by depositing ultra-thin layers of semiconductor material on a glass or thin stainless-steel substrate in a vacuum chamber. Thin-film photovoltaic materials offer great promise for reducing the materials requirements of PV modules and systems.

Thin films of special photovoltaic material can produce solar cells with relatively high conversion efficiencies, while using much less materials than crystalline silicon cells. Silicon is not the only thin-film material that can be used for PV. The TF part of the industry is especially confident because it expects to penetrate some of the traditional markets for PV, while creating entirely new applications categories, based on TF PV's weight and flexibility.

In this forum, we've invited world class leading thin films companies from Japan and Taiwan to have a deeply discuss the thin film crystalline silicon, amorphous and microcrystalline silicon, CIS, CdTe, II-VI or others thin film cells.

**Theme:** Thin Film

- New Development & Studies in:
  - I. Thin Film Crystalline Silicon
  - II. Amorphous and Microcrystalline Silicon
  - III. CIS, CdTe, II-VI or others Thin Film Cells

**Forum Chair:**



Dr. Chin-Yao Tsai, Chairman of SEMI Taiwan PV Committee /  
President, E-TON Solar Tech Co., Ltd.

**Agenda:**

13:30 - 14:00	Registration
14:00 - 14:10	Opening Remarks Dr. Chin-Yao Tsai, President, E-TON Solar Tech Co., Ltd.
14:10 - 14:50 	Trend of PV Technology and Market – Crystalline and Thin Film Silicon Mr. Tatsuo Saga, Group Deputy General Manager and Division General Manager, Solar System Department, Sharp Corp.
14:50 - 15:30 	Si/mc-Si Tandem Solar Module Production Technology Dr. Hiromu Takatsuka, Managing Expert, Solar Cell Power System Business Unit, Mitsubishi Heavy Industries Ltd.
15:30 - 15:50	Break Time
15:50 - 16:30 	An overview in thin-film solar cell Dr. Spencer Yeh, Sr. Director, Advanced Thin Film Div., NexPower Technology Corp.
16:30 - 17:10 	Recent Progress of Thin Film PV Technologies in SANYO Dr. Akira Terakawa, Manager, Advanced Photovoltaics Development Center, The Advanced Energy Research Center of R&D Manager, Sanyo Electric
17:10 - 17:50 	Ramping up Production of Thin-Film Silicon Solar Modules in Taiwan 1. Mr. Hannes Reinhardt, Vice President, Head of Operations Asia, Oerlikon Solar 2. Mr. Bob Wong, President, Sun Well Solar Corporation



17:50

Adjournment

- **Programs are subject to change without prior notice.**
- **All presentations will be conducted in English.**

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