

# **“The 4<sup>th</sup> Thailand-Japan Joint Workshop on Photovoltaics”**

**8 December 2012, Kamolthip Room, Sukosol Hotel,  
Bangkok, Thailand**

## **Program**

### **Morning Session**

session chair: M. Konagai & K. Sriprapha

- 08:30- 09:00      **Registration**
- 09:00-09:15      **Opening**
- 09:15-09:30      **“Spectral Splitting Thin-Film Full Spectrum Solar Cells”**  
Prof. Dr. Makoto Konagai, Tokyo Tech
- 09:30-09:45      **“Growth of High-Quality Multicrystalline Silicon Ingot for Solar Cells”**  
Assoc. Prof. Dr. Noritaka Usami, Tohoku Univ.
- 09:45-10:00      **“High Efficiency a-Si Single-Junction and a-Si/microcrystalline-Si Tandem Solar Cells with W-Textured ZnO Deposited on Etched Glass”**  
Dr. Porponth Sichanugrist, Tokyo Tech
- 10:00-10:15      **“Molecular Organization and Computational Modeling in Solar Cells with Submicron-order Thickness”**  
Prof. Dr. Shozo Yanagida, Osaka Univ.
- 10:15-10:30      **“Outdoor Performance of Thin-Film Si PV Modules in Shiga, Japan”**  
Assoc. Prof. Dr. Takahshi Minemoto, Ritsumeikan Univ.
- 10:30-10:45      **“Highly Efficient Dye-sensitized Solar Cells”**  
Dr. Liyuan Han, NIMS
- 10:45-11:00      **Break**
- 11:00-11:15      **“Design of Thin-Film Full Spectrum Solar Cells and Development of CuInAlS<sub>2</sub> Top Cells”**  
Assoc. Prof. Dr. Takashi Minemoto, Ritsumeikan Univ.
- 11:15-11:30      **“Polycrystalline Photovoltaic Materials from CuInSe<sub>2</sub> to Cu<sub>2</sub>ZnSnS<sub>4</sub> and other Materials”**  
Prof. Dr. Takahiro Wada, Ryukoku Univ.
- 11:30-11:45      **“Outdoor Performance Monitoring of Various PV Technologies in Bangkok”**  
Dr. Yoshihiro Hishikawa, AIST
- 11:45-12:00      **“Yield and Loss Analyses of Different PV Technologies”**  
Assist. Prof. Dr. Yuzuru Ueda, Tokyo Tech
- 12:00-12:15      **“High Efficiency Silver Free Heterojunction Crystalline Si Solar Cell”**  
Dr. Kenji Yamamoto, Kaneka
- 12:15-13:15      **Lunch**

**After noon Session**

**session chair: M. Konagai & K. Sriprapha**

- 13:15-13:30      **“under negotiation”**  
Dr. Katsumi Kushiya, Solar Frontier
- 13:30-13:45      **“Past, Present and Future of PV Applications in Thailand”**  
Mr. Chaya Jivagate, Chairman of EforE’s Advisory Board
- 13:45-14:00      **“ASEAN Solar Triple Hybrid for Community Smart Grid”**  
Assoc. Prof. Dr. Wattanapong Rakwichian, AdiCET
- 14:00-14:15      **“PV Power Plant Performance: Lesson Learned from Solar Business in Thailand”**  
Assoc. Prof. Dr. Nipon Ketjoy, SERT
- 14:15-14:30      **“Analysis of Cable Copper Loss in 1-MW PV Power Plant”**  
Assist. Prof. Dr. Ratchai Saeng-udom, Rangsit Univ.
- 14:30-14:45      **“Electric Energy from Photovoltaic Grid-Connected System Installed at RMUTT”**  
Assist. Prof. Dr. Somchai Hiranvarodom, RMUTT
- 14:45-15:00      **“Standards and Codes on Photovoltaic Testing in Thailand”**  
Dr. Dhirayut Chenvidhya, KMUTT
- 15:00-15:15      **“Research Activities on CIGS Thin Films at SPRL, Chulalongkorn University, THAILAND”**  
Dr. Sojiphong Chatraphorn, Faculty of Science, CU
- 15:15-15:30      **“Flexible CIGS Solar Cells and Modules”**  
Dr. Shigeru Niki, AIST
- 15:30-15:45      **Break**
- 15:45-16:00      **“Current Status of PV in Thailand and My Proposed Road Map for the Years 2013-2023”**  
Prof. Dr. Dusit Kruangam, Chairman of Thai Photovoltaic Industries Association, TPVA
- 16:00-16:15      **“The Status of Solar Photovoltaics Power Purchase Agreements (PPA) in Thailand”**  
Mr. Tanat Boonsomruk, PEA
- 16:15-16:30      **“Development and Implementation of Solar Cell Technologies”**  
Dr. Nattaphong Boriraksantikul, PTT Co. Ltd.
- 16:30-16:45      **“EGAT’s The Floating Solar Cell with The Innovative Water Weighted Solar Tracking System”**  
Mr. Winai Naknam, EGAT
- 16:45-17:00      **“Pv Power Plant Project Development and Implementation in Thailand”**  
Mr. Phongsakorn Damnoen, Gungul Engineering Co. Ltd
- 17:00-17:15      **“Multi MW Scale Stand-Alone PV Hybrid system: Real implementation”**  
Dr. Wuttipong Suponthana, Leonics Co. Ltd.
- 17:15              **Closing**
- 18:30              **Banquet**