

Draft Programme  
International Conference  
**Renewable Energy Asia 2016**  
**Energy Transition for ASEAN Future**

**1 June 2016**  
**BITEC, Bangkok, Thailand**

Co – organized by:



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**Opening Session:**

- 08.30 - 09.00 **Arrival of Guests & Registration**
- 09.00 - 09.05 **Report on the Objective of Event in 2016 (TBC)**  
UBM
- 09.05 - 09.10 **Report on the Objective of the 12<sup>th</sup> Renewable Energy Asia Conference 2016 (REA2016): Energy Transition for ASEAN Future (TBC)**  
Assoc. Prof. Dr. Sirintornthep Towprayoon, Director of the Joint Graduate School of Energy and Environment (JGSEE) and Center of Excellence on Energy Technology and Environment (CEE PERDO), King Mongkut's University of Technology Thonburi, Thailand
- 09.10 - 10.00 Speech of Minister of Energy
- 10.15 - 10.30 **Coffee Break**

**Plenary Session:**

- Chairman: Assoc. Prof. Dr. Bundit Fungtammansan, Senior Vice President for Research & Innovation, King Mongkut's University of Technology Thonburi, Thailand
- 10.30 – 11.10 **ASEAN Energy Future and Challenges**  
Ir. Dr. Sanjayan Velautham, Executive Director, ASEAN Centre for Energy, Indonesia
- 11.10 – 11.40 **More is less - why stopping Wastefulness is the (only) Chance**  
Prof. Roland Dieterle, Professor, The Hochschule fur Technik in Stuttgart, Germany
- 11.40 – 12.10 **Future RE market in the Philippine – the framework for successful RE development**  
Mr. Mario Marasigan, Renewable Energy Management Bureau, Department of Energy, the Philippines
- 12.10 – 13.30 **Lunch**

## Afternoon: Parallel Sessions

### Session I: Sustainable Buildings: Integrated Design of Architecture and Engineering

- Chairman: Dr. Robert Himmler, The Joint Graduate School of Energy and Environment (JGSEE), King Mongkut's University of Technology Thonburi, Thailand
- 13.30 – 14.00 **Smart Cities & Smart Buildings - a new era for Designers & Engineers**  
Prof. Roland Dieterle, Professor, The Hochschule fur Technik in Stuttgart, Germany
- 14.00 – 14.30 **Innovative Energy Concepts for Buildings in Tropical Climates**  
Mr. Gregers Reimann, Managing Director of IEN Consultants, Kuala Lumpur, Malaysia
- 14.30 – 15.00 **Coffee Break**
- 15.00 – 15.30 **Pruksa+: A Sustainable Single Family Home in Energy Plus Standard**  
Dr. Martin Schoch, School of Management Technology (SoMT) of Shinawatra University, Thailand
- 15.30 – 16.00 **Best Practices for Achieving Deep Lighting Energy Savings, a California Perspective Towards Zero Net Energy**  
Prof. Michael Siminovitch, Arthur H. Rosenfeld Chair University of California, Davis, United States of America
- 16.00 – 16.15 **Low-E Glass for Hot Climate Glazing**  
Mr. Panya Tantisuwichwong, AGC Flat Glass (Thailand) Public Co., Ltd.
- 16.15 – 16.30 **Innovative Thermal Insulation for Energy efficient buildings**  
Mr. Thanaporn Charupa, Gyproc

### Session II: Sustainable Bio-economy

- Chairman: Assoc. Prof. Dr. Suneerat Fukuda, The Joint Graduate School of Energy and Environment (JGSEE), King Mongkut's University of Technology Thonburi, Thailand
- 13.30 – 14.00 **Value-adding to biomass in the sugar industry: A global perspective**  
A/Prof. Ian O'Hara, Queensland University of Technology (QUT), Australia
- 14.00 – 14.30 **Towards the Bio-based Economy: Global and Regional Challenges**  
Assoc. Prof. Dr. Tharapong Vitidsant, Head, Department of Chemical Technology, Faculty of Science, Chulalongkorn University, Thailand
- 14.30 – 15.00 **Coffee Break**
- 15.00 – 15.30 **North-south Bioenergy Experience: Success and Failure**  
Dr. Patrick Rousset, The Joint Graduate School of Energy and Environment (JGSEE), King Mongkut's University of Technology Thonburi, Thailand
- 15.30 – 16.00 **Biomass RD&D for sustainable petroleum & petrochemical industry**  
Dr. Chaya Chandavasu, Vice president, Science and Innovation, PTT Global Chemical, Thailand

16.00 – 16.30            **ASEAN Bioenergy Collaboration**  
Representative from World Bank

### **Session III: PV, Wind and Storage**

Chairman:                Prof. Dr. – Ing. Christoph Menke and Dr. Athikom Bangviwat, The Joint Graduate School of Energy and Environment (JGSEE), King Mongkut's University of Technology Thonburi, Thailand

13.30 – 14.00           **Photovoltaic Market Development in Asia**  
Mr. Frank Haugwitz, Director, Asia Europe Clean Energy (Solar) Advisory (AECEA), China

14.00 – 14.30           **Update on PV Road Map Implementation in Thailand – Next Markets for PV**  
Ms. Kulwareee Buranasajjawaraporn, Director of Solar Energy Development Bureau, Department of Alternative Energy Development and Efficiency, Thailand

14.30 – 15.00           ***Coffee Break***

15.00 – 15.30           **Application of Energy Storage with Micro EMS in Micro-grid**  
Mr. Weerayut Srithiam, Electricity Generating Authority of Thailand

15.30 – 16.00           **Wind Energy Evolution and Application in Low Wind Area - Applications in South East Asia**  
Mr. Thierry Delmas, Director, GAMESA, Asia-Pacific-Oceania

16.00 – 16.30           **Distributed Energy: Disrupting the utility business model**  
Mr. Daniel Gaefke, Managing Director, BayWa r.e. Solar Pte LTD and BayWa Thailand Ltd., Thailand

### **Session IV: Energy Efficiency in Industry (TBC)**

Chairman:                Assoc. Prof. Dr. Apichit Therdyothin, Dean, School of Energy, Environment and Materials (SEEM), King Mongkut's University of Technology Thonburi, Thailand

13.30 – 14.00           **Policy for Industrial Energy Efficiency in Thailand**  
Representative from Department of Alternative Energy Development and Efficiency, Ministry of Energy, Thailand

14.00 – 14.30           **Potential Technologies for Energy Efficiency in industry**  
Prof Dusan Gvozdenac, University of Novi Sad, Faculty of Technical Sciences Department of Energy and Process Engineering, Novi sad, Serbia

14.30 – 15.00           ***Coffee Break***

15.00 – 15.30           **Funding for Energy Efficiency in industry**  
By Mr. Arthit Vechakij, President, Thai ESCO Association

15.30 – 16.00           **Thailand Energy Award in buildings**  
Representative from Phayathai Hospital, Thailand

16.00 – 16.30            **Thailand Energy Award in Industry**  
Representative from Toyota Bang-Bor (TMAP)

**Session V: Innovative Solution for Waste to Energy**

Chairman:                Assoc. Prof. Dr. Sirintornthep Towprayoon and Dr. Komsilp Wangyao, The Joint Graduate School of Energy and Environment (JGSEE), King Mongkut's University of Technology Thonburi, Thailand

13.30 – 14.00            **Waste Management Technology in Korea with MRF and SRF Systems**  
TBC

14.00 – 14.30            **TBC**  
Japan

14.30 – 15.00            ***Coffee Break***

15.00 – 15.30            **Financial Support on Waste to Energy Investment**  
Ms. Kittayamon Paocharoen, Asian Development Bank, Thailand

15.30 – 16.00            **View from Solid Fuel Buyer**  
Mr. Visut Chongcharoenkit, The Siam Cement Public Company Limited (SCG), Thailand

16.00 – 16.30            **ASEAN Experience from Thailand**  
Mr. Somchai Lertisettheerakul, Managing Director, GIDEC Co. Ltd. Thailand

16.30 – 18.00            Visit Exhibition

18.00 – 20.00            **Networking Party**  
Welcome remark by  
**Dr. Twarath Sutabutr, Director-General, Energy Policy and Planning Office, Ministry of Energy, Thailand**