

Programme at a Glance

Tuesday 19 May 2009

8.30-9.00	On-site registration at BITEC					
	WELCOME REMARKS at Room GH 203					
9.00-9.30	Chairman of the Organising Committee, Assoc. Prof. Dr. Bundit Fungtammasan, Thailand Chairman of the International Scientific Advisory Committee, Dr. Krissanapong Kirtikara, Thailand Deputy Director General of Research and Development Bureau, MEXT, Mr. Shigeki Sakurai, Japan Director General of the World Renewable Energy Network, Prof. Ali Sayigh, United Kingdom					
	PLENARY SESSION at Room GH 203 Chairperson: Prof. Surapong Chirarattananon					
9.30-10.00	Strong Public Support and Investment Security for Renewable Energies in Germany: Triggering Dynamic Growth and Market Development – at Home and Beyond Mr. Rainer Hinrichs-Rahlwes, Germany					
10.00-10.30	COFFEE BREAK					
10.30-11.00	Biofuel technologies: From first to second generation Prof. Shiro Saka, Japan					
11.00-11.30	Energy from the oceans Prof. AbuBakr S. Bahaj, United Kingdom					
11.30-12.00	Energy storage technology: present status and prospects for the future Dr. Masayuki Kamimoto, Japan					
12.00-12.30	Speaker from ADB (to be confirmed)					
12.30-13.30	LUNCH + POSTER					
	PARALLEL SESSIONS SEE 2009					POSTER SEE 2009
	Room MR 211-212	Room MR 213	Room MR 214-215	Room MR 216-217	Room MR 218-219	Room MR 220
	Chairperson: Dr. Suneerat Pipatmanomai	Chairperson: Dr. Chumnong Sorapipatana	Chairperson: Dr. Pipat Chaiwiwatworakul	Chairperson: Dr. Shabbir H. Gheewala	Chairperson: Dr. Miki Hasegawa	Chairperson: Dr. Seow Chay Low
13.30-15.30	Topic A - Technology	Topic C - Resources/ Technology	Topic D - Buildings	Topic E - Policy	Topic B - Technology	Topic A - Resources/ Technology
15.30-16.00	COFFEE BREAK					
	PARALLEL SESSIONS SEE 2009					POSTER SEE 2009
	Chairperson: Prof. Vladimir I. Kuprianov	Chairperson: Dr. Ryo S. Amano	Chairperson: Prof. Surapong Chirarattananon	Chairperson: Prof. Tetsuo Tezuka	Chairperson: Dr. Niki Shigeru	Chairperson: Dr. Agya Utama
16.00-17.40	Topic A - Technology	Topic C - Technology	Topic D - Buildings	Topic E - Policy/ Management	Topic B - Technology/ Case studies	Topic A - Technology
18.30-20.30	RECEPTION DINNER at Fahrenheit Restaurant					

Wednesday 20 May 2009

8.30-9.00	On-site registration at BITEC						
	OFFICIAL OPENING CEREMONY at Room GH 203						
9.00-9.30	<p>Welcome Remarks by Mr. Manu Leopaïrote, Chairman, CMP Media (Thailand) Ltd, Thailand Welcome Remarks by Assoc. Prof. Dr. Kraiwood Kiattikomol, President, King Mongkut's University of Technology Thonburi, Thailand Welcome Remarks by Prof. Kiyoshi Yoshikawa, Executive Vice President, Kyoto University, Japan Welcome Remarks by Dr. Osman Benchikh, Responsible for Energy & Renewable Energies, UNESCO Welcome Remarks by Dr. Faiq Billal, Director of Science, ISESCO Welcome Remarks by H.E. Mr. Kyoji Komachi, Ambassador Extraordinary and Plenipotentiary, Embassy of Japan, Thailand</p>						
9.30-10.00	Opening Remark and Keynote Address by H.E. Dr. Wannarat Charnnukul, Minister of Energy, Thailand (to be confirmed)						
10.00-10.30	COFFEE BREAK						
10.30-10.35	Welcome Remarks by Prof. Ali Sayigh, Director General, World Renewable Energy Network (WREN), United Kingdom						
	PLENARY SESSION at Room GH 203						
	Chairperson: Assoc. Prof. Dr. Bundit Fungtammasan						
10.35-11.00	Renewable energy and the changing world						
	Prof. Ali Sayigh, United Kingdom						
11.00-11.30	The role of renewable energy, cogeneration and distributed generation in sustainable energy development in Thailand						
	Dr. Piyasvasti Amranand, Thailand						
11.30-12.00	Current status and prospect for wind power technology						
	Mr. Eric Effern, Germany						
12.00-13.00	LUNCH + POSTER						
	PARALLEL SESSIONS - SEE 2009				POSTER SEE 2009	PARALLEL SESSIONS - REAsia 2009	
	Room MR 211-212	Room MR 213	Room MR 214-215	Room 216-217	Room 218-219	Room MR 220	Room MR 221
	Chairperson: Dr. Sirintornthep Towprayoon	Chairperson: Dr. Navadol Laosiripojana	Chairperson: Dr. Pattana Rugkwamsook	Chairperson: Prof. Larry Anderson	Chairperson: Dr. Taro Sonobe	Chairperson: Prof. Christoph Menke	Chairperson: Dipl. Ing. Werner Siemers
13.00-15.20	Topic A - Technology	Topic C - Technology/ Case studies	Topic D - Buildings	Topic G - Emissions & impact/ Models/ Carb. Seq.	Topic B - Technology Env. Issues/ Case studies	REAsia - Topic B	REAsia - Topic E & D
15.20-15.40	COFFEE BREAK						
	PARALLEL SESSIONS - SEE 2009				POSTER SEE 2009	PARALLEL SESSIONS - REAsia 2009	
	Chairperson: Dr. Nakorn Worasuwannarak		Chairperson: Dr. Bundit Limmeechokchai	Chairperson: Dr. Amnat Chidthaisong	Chairperson: Prof. Pogaku Ravindra	Chairperson: Prof. Christoph Menke	Chairperson: Dipl. Ing. Werner Siemers
15.40-18.00	Topic A - Technology		Topic D - Transport/ Power generation	Topic G - Emissions & impact/ Models/ Mitigation	Topic E, F & G Policy/ Planning/ Economics, Technology & Emissions and impact	REAsia - Topic C	REAsia - Topic A & G

Thursday 21 May 2009

8.30-9.00	On-site registration at BITEC					
	PLENARY SESSION at Room GH 203 Chairperson: Assoc. Prof. Dr. Sirintornthep Towprayoon					
9.00-9.30	Efficiency improvements and emissions reduction in power generation and industrial processes Prof. Ashwani Gupta, United States of America					
9.30-10.00	Run-of-river hydropower: Technical, ecological and Socio-economic considerations Dr. Klaus Jorde, Germany					
10.00-10.30	Current status and the future of organic solar cells Prof. Susumu Yoshikawa, Japan					
10.30-10.50	COFFEE BREAK					
	PARALLEL SESSIONS SEE 2009					POSTER SEE 2009
	Room MR 211-212	Room MR 213	Room MR 214-215	Room MR 216-217	Room MR 218-219	Room MR 220
	Chairperson: Dr. Suthum Patumsawad	Chairperson: Dr. Savitri Garivait	Chairperson: Prof. Sumreng Jugjai	Chairperson: Dr. Chumnong Sorapipatana	Chairperson: Dr. Navadol Laosiripojana	Chairperson: Dr. Harwin Saptoadi
10.50-13.10	Topic A & F - Resources/ Technology & Technology/ Management	Topic A - Environmental issues/ Case studies	Topic D - Industry	Topic E - Planning/ Economics	Topic B Resources/ Technology	Topic C & D - Technology/ Case studies, & Buildings/ Industry/ Power generation
13.10-14.00	LUNCH					
	PARALLEL SESSIONS SEE 2009					POSTER SEE 2009
	Chairperson: Dr. Shabbir H. Gheewala	Chairperson: Dr. Somchai Chanchaona		Chairperson: Dr. Seiji Ikketai	Chairperson: Prof. Robert H.B. Exell	Chairperson: Dr. Agya Utama
14.00-16.00	Topic A - Resources/ Environmental issues	Topic A - Case studies		Topic E - Policy/ Economics	Topic B Technology/ Case studies	Topic A - Technology/ Environmental issues Case studies
16.00-16.30	COFFEE BREAK					
16.30-17.30	POSTER AWARD AND CLOSING CEREMONY at Room GH 203					
17.30-18.30	NETWORKING RECEPTION at Exhibition Hall 102					
18.30-20.30	GALA DINNER (CULTURAL SHOW + DINNER TALK) at Exhibition Hall 102					

Remarks:

Topic A. Bioenergy: Biomass for Heat and Power, Biofuels, Biogas and Wastes	Topic E. Energy and Environmental Policy
Topic B. Solar Energy: Photovoltaics, Solar Thermal, Solar Cooling	Topic F. Energy related Environmental Technology and Management
Topic C. Wind Power - Eco-hydro Power - Fuel Cells and Hydrogen	Topic G. Air Pollution and Climate Change
Topic D. Energy Efficiency Technologies and Energy Management	

Detailed Programme

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	PARALLEL SESSIONS - SEE 2009					POSTER SEE 2009
	Room MR 211-212	Room MR 213	Room MR 214-215	Room MR 216-217	Room MR 218-219	Room MR 220
13.30-13.50	A2-X001	C1-001	D1-011	E3-010	B2-X001	A1-010/A1-014
13.50-14.10	D4-003	C2-001		E1-001	B2-003	A1-016/A2-002
14.10-14.30	A2-015	C2-016	D1-002	E1-002	B2-013	A2-006/A2-008
14.30-14.50	A2-027	C2-018	D1-003	E1-005	B2-017	A2-017/A2019
14.50-15.10	A2-030	C2-019	D1-006	E1-009	B2-020	A2-022/A2-023
15.10-15.30	A2-031	C2-021	D1-009	E1-015	B2-023	A2024/A2-026
15.30-16.00	COFFEE BREAK					
	PARALLEL SESSIONS - SEE 2009					POSTER SEE 2009
16.00-16.20	A2-035	C2-014	D1-010	G3-001	B2-024	A2-041/A2-042
16.20-16.40	A2-039	C2-X002	D1-012	E1-013	B2-034	A2-044/A2-046
16.40-17.00	A2-050	F1-001	D1-013	E1-014	B2-038	A2-048/A2-054
17.00-17.20	A2-057	C2-002	D1-016	E2-003	B4-014	A2-055/A2-061
17.20-17.40	A2-071	A1-028	G4-001	E-2004	A2-059	A2-070/A2-073
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	Room MR 211-212	Room MR 213	Room MR 214-215	Room 216-217	Room 218-219	Room MR 220	Room MR 221
13.00-13.20	A2-003	C2-006	G1-005	G2-007	B2-001/B2-004	B2-021 RE	E1-X001 RE
13.20-13.40	A2-009	C2-009	D1-015		B2-006/B2-018	B2-025 RE	E1-017 RE
13.40-14.00	A2-010	C4-008	D1-017	G1-002	B2-019/B2-032	B2-030 RE	E3-008 RE
14.00-14.20	A2-016	C2-007	D1-019	G2-001	B2-035/D4-014	B3-002 RE	E4-007 RE
14.20-14.40	A2-018	C2-012	D1-021	G2-002	B3-001/B3-004	B4-008 RE	D1-014 RE
14.40-15.00	A2-053	C4-001	D1-022	G5-001	B4-002/B4-011	B4-010 RE	D1-020 RE
15.00-15.20	A2-034		E2-001	G5-002	B4-013/B2-X002		D3-004 RE
15.20-15.40	COFFEE BREAK						
	PARALLEL SESSIONS - SEE 2009				POSTER SEE 09	PARALLEL SESSIONS - REAsia 2009	
15.40-16.00	A2-020		D3-001	G1-X002	E1-010/E1-012	C2-025 RE	A1-020 RE
16.00-16.20	A2-028		D4-009	G1-003	E1-016/E1-018	C2-X001RE	A4-017 RE
16.20-16.40	A2-033		D4-011	G2-004	E3-001/E3-002	C3-002 RE	A4-012 RE
16.40-17.00	A2-038		D4-015	G2-005	D4-010/E4-012	C4-009 RE	G1-X001 RE
17.00-17.20	A2-064		D4-016	G3-005	E4-X001/F1-004	C4-002 RE	G1-X003 RE
17.20-17.40	A2-072		D4-025	G1-007	G1-006/G1-X004		
17.40-18.00	A2-075		D4-006	G3-006	G3-X001		

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10.50-11.10	A2-043	A3-002	D2-003	E1-020	B2-033	C2-017/C2-020
11.10-11.30	F1-003		D2-004		B1-002	C2-023/C4-003
11.30-11.50	F2-003	A3-004	D2-006	E3-005	B2-014	C4-005/C4-006
11.50-12.10	A1-017	A3-005	D2-008	E3-007	B2-026	F2-005/E3-009
12.10-12.30	A2-049	A3-007	D2-010	E4-001	B2-027	D1-001/D1-005
12.30-12.50	A2-029	A4-003	D2-011	E4-002	B2-028	D1-018/D2-001
12.50-13.10	A2-X002	A4-009	D2-012	E4-003		D2-002/D4-021
13.10-14.00	LUNCH					
	PARALLEL SESSIONS - SEE 2009					POSTER SEE 2009
14.00-14.20	A1-003	A4-013		A1-007	B4-001	C4-010/A2-X003
14.20-14.40	A1-015	A4-015			B4-003	A2-X004/A3-001
14.40-15.00	A1-013	A4-014		E4-009	B4-005	A4-016/A4-018
15.00-15.20	A1-011	A4-004		E4-011	B4-007	A4-020
15.20-15.40	A1-004	A4-019		E4-013	B2-015	
15.40-16.00	A3-003	A4-005		E4-014	B2-016	
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PARALLEL SESSIONS – SEE 2009 (13.30 – 17.40)

ROOM MR 211-212 – TOPIC A (Oral)

A2-X001 (13.30-13.50)

Bioenergy Research and Technology towards Sustainable Development
Pogaku Ravindra, Kenthorai Raman Jegannathan and Chan eng seng
Malaysia

D4-003 (13.50-14.10)

Non-plantation Biomass Potential for CHP in Thailand
Jerasorn Santisirisomboon and Jaruthat Santisirisomboon
Thailand

A2-015 (14.10-14.30)

Investigation of Co-combustion of Rice Husk and Coal in a Short-Combustion-Chamber fluidized-Bed Combustor (SFBC)
Prasan Sathitruangsak, Thanid Madhiyanon and Somchart Soponronnarit
Thailand

A2-027 (14.30-14.50)

Co-Gasification of Biomass and Plastic Waste in a Bubbling Fluidized Bed Gasifier
Pinchookorn Chobthiangtham and Suneerat Pipatmanomai
Thailand

A2-030 (14.50-15.10)

Gasification Syngas from Biomass Wastes Transforming to Liquid Products by Hydro-process Liquefaction Technique
Je-Lueng Shie, Ching-Yuan Chang, Chin-Ching Tzeng, Pei-Yao Hung, Chia-Chi Chang, Sheng-Wei Chiang, Wen-Kai Tu, Min-Ha, Yuan, Heng-Yi Li and Yu-Cheng Yu
Taiwan

A2-031 (15.10-15.30)

Bioenergy from Rice Straw via Pyrolysis Using 10 kW Plasma Torch
Je-Lueng Shie, Feng-Ju Tsou, Kae-Long Lin and Ching-Yuan Chang
Taiwan

----- COFFEE BREAK -----

A2-035 (16.00-16.20)

Analysis of Tar Formation from a Downdraft Gasifier of Industrial Wastewater Sludge
Thana Phuphuakrat, Nimit Nipattummakul, Tomoaki Namioka, Somrat Kerdsuwant and Kunio Yoshikawa
Japan

A2-039 (16.20-16.40)

Development of a Prototype Biomass Fired Gasifier Stove for Different Biomass
Deepak Sharma, Mangesh D. Ghungrud and N. L. Panwar
Thailand

A2-050 (16.40-17.00)

Effects of Air Staging on Behavior of CO, NO and CxHy in a Swirling Fluidized-Bed Combustor Firing Thai Rice Husk
Songpol Chakritthakul, Vladimir I. Kuprianov and Rachadaporn Kaewklum
Thailand

A2-057 (17.00-17.20)

Combustion and Emission Performance of a Swirling Fluidized-Bed Combustor Fired with Sunflower Shells
Poramet Arromdee, Vladimir I. Kuprianov, Rachadaporn Kaewklum and Kasama Sirisomboon
Thailand

A2-071 (17.20-17.40)

Effects of Design Features on Combustion and Emission Characteristics of a Conical Fluidized-Bed Combustor
Kasama Sirisomboon, Vladimir I. Kuprianov and Rachadaporn Kaewklum
Thailand

ROOM MR 213 – TOPIC C (Oral)

C1-001 (13.30-13.50)

Intermittency of Surface Layer Wind Speed Fluctuations in the Mesoscale Range
Rachel Baile, Jean-François Muzy and Philippe Poggi
France

C2-001 (13.50-14.10)

Wind Turbine - A Renewable Energy Source for Tomorrow - Overview of Technology for Small Scale Use
R. S. Amano
 United States of America

C2-016 (14.10-14.30)

A Control Technique for Voltage Sag Mitigation on Back-to-Back Converters in a Wind Turbine System
Wathana Suebkinom and Bunlung Neammanee
 Thailand

C2-018 (14.30-14.50)

Decoupling Control Technique for Two-kW Single Phase Grid Connected Converter for Wind Turbines
Jirawut Benjanarasut and Bunlung Neammanee
 Thailand

C2-019 (14.50-15.10)

Modeling and Experiment Study of Variable Speed-Induction Generator for Wind Power Generation
Varin Vongmanee and Veerapol Monyakul
 Thailand

C2-021 (15.10-15.30)

An Experimental Study of the Shapes of Rotor for a Horizontal-axis Small Wind Turbines
Maro Moriya, Masahiko Suzuki, Hideto Taniguchi, Yoshifumi Nishizawa and Izumi Ushiyama
 Japan

----- COFFEE BREAK -----**C2-014 (16.00-16.20)**

High Performance Grid Connected Converter with Double-Interleaved Dual Boost Technique and MPPT Control for Wind Turbine
Korawit Kajangpan, Bunlung Neammanee and Somporn Sirisumranukul
 Thailand

C2-X002 (16.20-16.40)

Hybrid Offshore-wind and Tidal Turbine (HOTT) Energy Conversion II (6-Pulse GTO Rectifier DC connection and Inverter)
Mohammad Lutfur Rahman and Yasuyuki Shirai
 Japan

F1-001 (16.40-17.00)

Design Features and Requirements of an Innovative 3-in-1 Wind-Solar Hybrid Renewable Energy and Rain Water Harvester for Urban High Rise Application
Chong Wen Tong, Shuhaimi Mansor, Wan Zaidi Wan Omar, Zaidi Md Zain, Pan Kok Chen and Deep Cheah How
 Malaysia

C2-002 (17.00-17.20)

Development of a GIS Decision Support System for Wind Farm Installations in Thailand: Current State and Results
Ariyawat Prabamroong, Kasemsan Manomaiphobon, Wanvisa Chanaprasert and Nuttee Rajpreeda
 Thailand

A1-028 (17.20-17.40)

Airfoil-Blade Micro Wind Turbines
Michael K.H. Leung, Andrew Tham, Dennis Y. C. Leung and H. K. Lee
 China

ROOM MR 214-215 – TOPIC D (Oral)**D1-011 (13.30-14.10)**

Simulation of Transmission of Daylight through Cylindrical Light Pipes
S. Chirarattananon, V.D. Hien, P. Chaiwiwatworakul and P. Chirarattananon
 Thailand

D1-002 (14.10-14.30)

Performance Implication of Climate Change on Heating, Ventilating and Air Conditioning (HVAC) systems in Malaysia
Choo Khean Chang, Mark F. Jentsch, Patrick A. B. James, Yat H. Yau and AbuBakr S. Bahaj
 Malaysia

D1-003 (14.30-14.50)

Performance Analysis of Thermosyphon Assisted Adsorption Cooling System
Wirrote Ritthong, Phatsawan Jansatidpaiboon, Teeranon Aim-eiam, Wipawadee Wongsuwan, Atipoang Nuntaphan and Tanongkiat Kiatsiriroat
 Thailand

D1-006 (14.50-15.10)

Optimizing Benefits of Multiple-Slat Shading Device and High Performance Glazing on High-Rise Buildings
S. Chirarattananon, P. Rugkwamsuk and D. Matuampunwong
 Thailand

D1-009 (15.10-15.30)

Cost-Effectiveness of Insulations Used
under Pitched Roofs in Thailand
*Vu Duc Hien and Surapong
Chirattananon*
Thailand

----- **COFFEE BREAK** -----**D1-010 (16.00-16.20)**

Energy Efficiency, Savings and Building
Refurbishment
Hasim Altan and Jitka Mohelnikova
United Kingdom

D1-012 (16.20-16.40)

OTTV Evaluation and its CO₂ Emission
Effect on High-rise Buildings in Indonesia
*Agya Utama, Shabbir H. Gheewala and
Keiichi N. Ishihara*
Thailand

D1-013 (16.40-17.00)

An Experimental Study of Energy
Consumption for a New Variable Air
Volume System
*Ponkit Noothongpoon, Veerapol Monyakul
and Sirichai Thepa*
Thailand

D1-016 (17.00-17.20)

HVAC's Chilled Water Flow and
Temperature Prediction for Building in
Tropical Zone
*Manwad Chokesuwatanaskul, Apichat
Praditsmanont, Chakguy Prakasvudhisarn
and Bundit Limmeechokchai*
Thailand

G4-001 (17.20-17.40)

Adaptive Thermal Comfort Model Study in
the Tropics
*Yat H. Yau, Bee T. Chew and Chuan S.
Yau*
Malaysia

ROOM MR 216-217 – TOPIC E (Oral)**E3-010 (13.30-13.50)**

Framework Design of Autonomous
Decentralized Energy Supply-demand
System (AUDES) for Promoting
Introduction of Renewable Energy
Tetsuo Tezuka
Japan

E1-001 (13.50-14.10)

A Survey on Non-Residential Solar Water
Heaters in Taiwan: Barriers and Strategy
*K. C. Chang, T. S. Lee, W. M. Lin and K. M.
Chung*
China

E1-002 (14.10-14.30)

Renewable Energy Demand and Supply
Forecast under Long-term National
Renewable Energy Development Plan: The
Case of Thailand
*Waraporn Eakpaopan and Wongkot
Wongsapai*
Thailand

E1-005 (14.30-14.50)

Barriers and Opportunities for Rice Straw
Utilization for Heat and Power Generation
in Thailand
*Tritib Suramaythangkoor and Shabbir H.
Gheewala*
Thailand

E1-009 (14.50-15.10)

Energy Saving Potential and Emissions
Mitigation of Automobiles in Thailand by
Implementing Fuel Economy Standard
Measure
*Jakapong Pongthanaisawan and
Chumnong Sorapipatana*
Thailand

E1-015 (15.10-15.30)

Bioenergy: Food or Fuel? Prospects and
Policy Options for Thailand's Trade in
Bioenergy
Sabrina Shaw
Thailand

----- **COFFEE BREAK** -----**G3-001 (16.00-16.20)**

Nuclear Energy and Renewable Power:
Which is the Best Climate Change
Mitigation Option?
Benjamin K. Sovacool
Singapore

E1-013 (16.20-16.40)

Science and Technology Contribution to the
Public in Coping with Global Warming in
Thailand
*Surachai Sathitkunarath, Vassalisa
Traisutcha and Nares Damrongchai*
Thailand

E1-014 (16.40-17.00)

Promoting the Use of Renewable Energy for Poverty Alleviation in rural South Africa: Prospects and Challenges
Kola O. Odeku and Edson L. Meyer
 South Africa

E2-003 (17.00-17.20)

Factors Impacting Progresses of CDM Projects in Thailand: Stakeholders' Perspectives
Napas Charnyapornpong and Chanathip Pharino
 Thailand

E2-004 (17.20-17.40)

Life Cycle Assessment of Rice Straw Bio-energy Using Energy Analysis Method for Various Thermo Treatment Technologies
 Je-Lung Shie, Ching-Yuan Chang, Ci-Syuan Chen, Feng-Ju Tsou, Dai-Gee Shaw, Chiung-Fen Chang, Yi-Hung Chen, Sen-Yeu Yang, Jing-Tsung Kuov and Wen-Hui Kuan
 Taiwan

ROOM MR 218-219 – TOPIC B (Oral)**B2-X001 (13.30-13.50)**

High-Efficiency CIGS Solar Cells and Modules
Shigeru Niki, Shogo Ishizuka, Hironori Komaki, Yukiko Kamikawa, Hajime Shibata, Akimasa Yamada, Norio Terada and Hisayuki
 Japan

B2-003 (13.50-14.10)

Time Change Analysis of Outdoor Performance of Si-based Photovoltaic Modules Using Contour Plots
Takashi Minemoto, Hiroaki Takahashi, Yasuhito Nakada and Hideyuki Takakura
 Japan

B2-013 (14.10-14.30)

One-Dimensional TiO₂ Nanofibers-Comprised Photoelectrode for High Efficient Dye-Sensitized Solar Cells
Surawut Chuangchote, Takashi Sagawa and Susumu Yoshikawa
 Japan

B2-017 (14.30-14.50)

Improvement of Cell Performance of Inorganic/Organic Hybrid Solar Cells through the Surface Modification of TiO₂ and ZnO Nanoarrays by Using Low Molecular Organic Dyes
Thitima Rattanavoravipa, Takashi Sagawa and Susumu Yoshikawa
 Japan

B2-020 (14.50-15.10)

Enhancement of Electron Transport in Dye-sensitized Solar Cell through One-dimensional Nanotube Arrays of TiO₂
Patcharee Charoensirithavorn, Takashi Sagawa, Shuzi Hayase and Susumu Yoshikawa
 Japan

B2-023 (15.10-15.30)

Improvement of Photovoltaic Property of Bulk Heterojunction Organic Thin Film Solar Cell Based on Poly(3-hexylthiophene) and Fullerene Derivative
Pipat Ruankham, Takashi Sagawa and Susumu Yoshikawa
 Japan

----- COFFEE BREAK -----**B2-024 (16.00-16.20)**

Optimization of Photovoltaic Performance of Bulk Heterojunction Organic Solar Cell by Slow growth Treatment
Nithi Adulsirisawad, Takashi Sagawa and Susumu Yoshikawa
 Japan

B2-034 (16.20-16.40)

Magnetic Field Effect on Photocatalytic Reaction with TiO₂ and ZnO
Supawan Joonwichien, Eiji Yamasue, Hideyuki Okumura and Keiichi N. Ishihara
 Japan

B2-038 (16.40-17.00)

Self-assembled Donor-acceptor Complex for Organic Photovoltaics
Hirokuni Jintoku, Naomi Watanabe, Tsuyoshi Sawada, Makoto Takafuji, Takashi Sagawa, Susumu Yoshikawa and Hirotaka Ihara
 Japan

B4-014 (17.00-17.20)

Fundamental Study for Efficient Photo-Energy System of Molecular Combination with Rare Earths

Miki Hasegawa, Ayumi Ishii, Yu Yoshimura, Kazuki Deno, Shunsuke Kunisaki, Yuko Suzui, Franz Werner, Hideki Ohtsu and Isao Takahashi
Japan

A2-059 (17.20-17.40)

Characterization of Single Crystal Photovoltaic Module in Bruneian Climate

A. Q. Malik, Mohamad Fauzi bin Haji Metali, Lim Chee Ming and Tan Kha Sheng
Brunei

ROOM MR 220 – TOPIC A (Poster)**A1-010 (13.30-13.40)**

Sesame (*Sesamum indicum* Linn.) - The Oil Crop for Food, Pharmaceuticals and Potential for Biofuels in Future

Toan Pham Duc, Tri Bui Minh, Gun Werlemark, Tuyen Bui Cach, Arnulf Merker and Anders S. Carlsson
Sweden

A1-014 (13.40-13.50)

Review State of Renewable Energy in Iran
Mohammad R. Asadi, Esmaeil Mirzaee and Mohsen Ghadirianfar
Iran

A1-016 (13.50-14.00)

Transesterification of Palm Oil to Biodiesel using Calcium Oxide as a Heterogeneous Base Catalyst

Achanai Buasri, Nattawut Chaiyut, Kessara Seneesrisakul, Manaswee Suttipong and Thani Jermwongratanachai
Thailand

A2-002 (14.00-14.10)

Application of Sonication Process for Longer Single Phase Stability of Straight Vegetable Oil- Diesel Blended Fuel

Debendra Kumar Sahu and Soumya Parida
India

A2-006 (14.10-14.20)

Utilization of Defatted Rice Bran for Ethanol Production by Simultaneous Saccharification and Fermentation

Warin Pimpa
Thailand

A2-008 (14.20-14.30)

Effect of catalyst on Tar Reducing in Gasification of Pineapple peel

Jinda Yeyongchaiwat and Wisitsree Wiyaratn
Thailand

A2-017 (14.30-14.40)

Gasification of Biodiesel By-product with Air or Oxygen in a Bench-scale Entrained Flow Gasifier

Sang Jun Yoon, Young-Chan Choi, See Hoon Lee and Jae-Goo Lee
Korea

A2-019 (14.40-14.50)

Biodiesel Production from Crude and Refine Kernel Palm Oil in Laboratory Scale
Vimonvan Chobset and Vittaya Punsuvon
Thailand

A2-022 (14.50-15.00)

Production of Biodiesel Fuel Derived from Animal Fats Using Solid Catalysts

Takuya Ito, Yusuke Kakuta, Motoyuki Sugano and Katsumi Hirano
Japan

A2-023 (15.00-15.10)

Direct Liquefaction Process of Woody Biomass with Circulating Solvent

Yusuke Kakuta, Katsumi Hirano, Koji Yoshida, Hideki Yamada, Toshihiko Okada, Shozo Itagaki and Kiyoshi Mashimo
Japan

A2-024 (15.10-15.20)

Sr and Mg Oxide Nano-Composite as Solid Based Catalysts for Green Biodiesel Production Process

Pawnprapa Krasae, Boonyawan Yoosuk and Buppa Puttasawat
Thailand

A2-026 (15.20-15.30)

Ozonation Modification of Unsaturated Carbon-Carbon Double Bonds of Methyl Soyate

Rong-Zhen Liu, Rong-Hsien Lin, Neng-Chou Shang and Yi-Hung Chen
Taiwan

----- COFFEE BREAK -----

A2-041 (16.00-16.10)

Investigation of Fuel Spray Characteristics of Palm-Derived Biodiesel

Teerapong Baitiang, Chamaiporn Sukjamsri, Subongkoj Topaiboul and Nuwong Chollacoop
Thailand

A2-042 (16.10-16.20)

Improved Energy Recovery Efficiencies from Piggery Waste Biogas Plants in Thailand Using Danish Experiences

Trakarn Prapasongsa, Patiroop Pholchan, Jens Aage Hansen, Tjalfe G. Poulsen and Per Christensen
Denmark

A2-044 (16.20-16.30)

Study of Using 20 Percent Ethanol Blended Fuel in Thai Conventional Passenger Cars

Chinda Charoenphonphanich
Thailand

A2-046 (16.30-16.40)

The Investigation of E85 Impacts on Fuel Supply Parts of Passenger Cars in Thailand – Material Compatibility Tests

Kalong Buanak, Panya Kansuwan and Chinda Charoenphonphanich
Thailand

A2-048 (16.40-16.50)

A Study of Various Parameters Associated with the Principles of Ultrasonication Operation for Emulsion Behavior of Vegetable Oil and Methanol Mixture

Sujaree Kachenpug, Tawiwat Kangsadan, Kraipat Cheenkachorn and Suchada Butnark
Thailand

A2-054 (16.50-17.00)

Potential Evaluation Study and Application Method for Biomass Energy from Agricultural By-products (Rice, Corn, Peanut) in Namdinh Province

Luu Duc Hai and Tran Van Quy
Vietnam

A2-055 (17.00-17.10)

Biomass Gasification Using Variation of Air Inlet Flow Rate

Adi Surjosatyo
Indonesia

A2-061 (17.10-17.20)

Development of Triple Hybrid Renewable Energy Generation System-Wood Based Biomass Generation System

Yusuke Yamazaki, Yoshifumi Nishizawa and Izumi Ushiyama
Japan

A2-070 (17.20-17.30)

Analysis of Glycerol Autothermal Reforming for Hydrogen Production

Ghirana Jirachotdaecho, Suthida Authayanun, Woranee Paengjuntuek, Suttichai Assabumrungrat and Amornchai Arpornwichanop
Thailand

A2-073 (17.30-17.40)

Preliminary Analysis on Potentials of Renewable Energies for Algae Cultivating in the Ocean

Takuya Oda, Masakazu Ito and Takao Kashiwagi
Japan

Wednesday 20 May 2009

PARALLEL SESSIONS – SEE 2009 (13.30 – 18.00)

ROOM MR 211-212 – TOPIC A (Oral)

A2-003 (13.00-13.20)

Recirculation Mode Effect on Performance of an Anaerobic Hybrid Baffled - Fixed Film Reactor Treating Palm Oil Mill Effluent
Vassanasak Limkhuansuwan, Chinnapong Wangnai and Pawinee Chaiprasert
Thailand

A2-009 (13.20-13.40)

Effects of Organic Loading Rates on Biogas Production and Performance of EGSB System Treating Piggery Wastewater
Seni Karnchanawong and Temee Puntuwongrach
Thailand

A2-010 (13.40-14.00)

Optimizing a Continuous Molasses Fermentation System with Effluent Recirculation
Lahiru N Jayakody, B. F. A. Basnayake, C. K. Illeperumma and A. M. Ranasinghe
Sri Lanka

A2-016 (14.00-14.20)

Clean Energy Generation from Wastewaters by Coupling Dark Fermentation and Two-Chamber Microbial Fuel Cell (MFC)
Aksara Putthividhya and Supaporn Supavittayapinun
Thailand

A2-018 (14.20-14.40)

Improvement of Biodiesel Production from Waste Cooking Oil Combined with Ion Exchange Resin for Washing Process
Sujinna Karnasuta, Vittaya Punsuvon and Mallika Tapanwong
Thailand

A2-053 (14.40-15.00)

Membranes – an Environment Friendly Application for Bio-diesel Transesterification
S. C. Low and K. T. Cheong
Singapore

A2-034 (15.00-15.20)

The Effects of Nutrient Supplementation on the Performance of UASB Treating Wastewater from Biodiesel Producing Process
Niran Sappawinyoo, Piyabutr Wanichpongpan and Saroch Boonyakitsombut
Thailand

----- COFFEE BREAK -----

A2-020 (15.40-16.00)

The Effect of Packing Patterns of Single-Hole Pellets on Flow Structure
Nattaporn Chutichairattanaphum, Phavane Narataruksa, Kan Panasupamasdu, Sabaithip Tungkamani and Than Sornchamni
Thailand

A2-028 (16.00-16.20)

Behavior of Phosphorus Compounds in Hydrothermal Decomposition of Biomass
Ryuichi Kanamori, Kozo Matsumoto and Kuniyuki Kitagawa
Japan

A2-033 (16.20-16.40)

Process Development for Future Diesels from Bio-resources in Thailand
Suchada Butnark and Pichit Pripanapongs
Thailand

A2-038 (16.40-17.00)

Application of D2-law to Determine Time Evolution Drop-size Distribution Function of Bio-diesel drops and Their Burn-out Time
Kunlanit Tantivoranukul, Pomyos Vallikul, Bundit Fungtammasan, Pisit Yongyingsakthavornd and Christophe Dumouchel
Thailand

A2-064 (17.00-17.20)

High Temperature Corrosion of the Superheater Systems in an Energy-from-Waste Plant: Effects of Flue Gas Characteristics, Alloy Temperature and Particle Deposition
Awassada Phongphiphat, Adrian Leyland, Vida N Sharifi and Jim Swithenbank
UK

A2-072 (17.20-17.40)

CO Hydrogenation Over Cobalt Catalysts Supported on ZrO₂-La₂O₃ Mixed Oxide at La Content 0-25%

Soipatta Soisuwan, Penkae Pooyim, Kornkamol Nualtreechum, Joongjai Panpranot and Piyasan Prasertdam
Thailand

A2-075 (17.40-18.00)

Oxidation Stability of Biodiesel Prepared by Supercritical Methanol Method

Jiayu Xin and Shiro Saka
Japan

ROOM MR 213 – TOPIC C (Oral)**C2-006 (13.00-13.20)**

Thermodynamic Analysis of Hydrogen Production from Methanol in Three Different Technologies

Nawadee Srisiriwat, Supaporn Therdthianwong and Apichai Therdthianwong
Thailand

C2-009 (13.20-13.40)

Chemicals Production through Oxidative Coupling of Methane over Au/LaSrMnO₃ Nanocomposites in Fixed Bed Reactor

Wisitsree Wiyaratn, Weerinda Appamana and Suttichai Assabumrungra
Thailand

C4-008 (13.40-14.00)

Hydrogen Production from the Steam and Autothermal Reforming over Ni/Al₂O₃

N. Pongpanich, S. Assabumrungrat, S. Charojrochkul and N. Laosiripojana
Thailand

C2-007 (14.00-14.20)

Heat Integration of Solid Oxide Fuel Cell Combined with Different Fuel Processors Fueled by Ethanol

Anuchart Srisiriwat and Nawadee Srisiriwat
Thailand

C2-012 (14.20-14.40)

Experimental Investigation of Water Flooding in the Cathode of a Transparent Single-serpentine PEM Fuel Cell

Songwut Nirunsin and Yottana Khunatorn
Thailand

C4-001 (14.40-15.00)

Micro – Scale Modeling of a Solid Oxide Fuel Cell Packed with Spherical-Shaped Electrode Particles

Penyarat Chinda, Wisanuruk Wechsato and Juan Carlos Ordenez
Thailand

----- COFFEE BREAK -----**ROOM MR 214-215 – TOPIC D (Oral)****G1-005 (13.00-13.20)**

The Implication of Climate Change on Thermal Comfort Level in a Notional Building in the Tropics

Yat Huang Yau, Muhammad Hafiz Azizan, Choo Khean Chang, Mark F. Jentsch, Patrick A. B. James and AbuBakr S. Bahaj
Malaysia

D1-015 (13.20-13.40)

A Study on Energy Efficiency of Hotels in Bali

Bayu Susila, Surapong Chirarattananon, Chumnong Sorapipatana, Pattana Rukkwamsuk and Pipat Chaiwiwatworakul
Thailand

D1-017 (13.40-14.00)

Transmitted Vertical Solar Irradiance at a University Lecture Room in the Hot-Humid Tropics and Occupant Perception

Ijhar Hidayat Rusli, Nor Mariah Adam and Nawal Aswan Abdul-Jalil
Malaysia

D1-019 (14.00-14.20)

User Feedback Strategies to Enhance the Performance of Mixed Mode Buildings in Tropical Climates

Nikolaos Bakker, Choo Khean Chang, Patrick A. B. James, Mark Jentsch, Yat Huang Yau and AbuBakr Bahaj
United Kingdom

D1-021 (14.20-14.40)

Climate Considerations in Architecture and Urban Design in Tabriz

Maryam Singeri and Farzin Paknia
Iran

D1-022 (14.40-15.00)

A Preliminary Study on Reducing of Representative Sets of CIE Standard Sky Luminance Distributions for Tropical Thai Sky

Pipat Chaiwiwatworakul and Surapong Chirarattananon
Thailand

E2-001 (15.00-15.20)

Demand Side Management Options in the Household Sector through Lighting Efficiency Improvement for Java-Madura-Bali Islands in Indonesia
Muhammad Ery Wijaya and Bundit Limmeechokchai
 Thailand

----- COFFEE BREAK -----

D3-001 (15.40-16.00)

Compressed Natural Gas as Alternative Fuel to Diesel in Transport Sector: The Fuel Consumption and Emission in Light Duty Truck
Raksit Thitipatanapong and Thanud Luangnarutai
 Thailand

D4-009 (16.00-16.20)

Vulnerability of Oil Dependence in the Power Sector in Cambodia
Kong Pagnarith and Bundit Limmeechokchai
 Thailand

D4-011 (16.20-16.40)

Performance Improvement of Bagasse-based Cogeneration Plant through Energy and Exergy Analysis
Kong Pagnarith and Bundit Limmeechokchai
 Thailand

D4-015 (16.40-17.00)

Optimal Transmission Expansion Planning using Ant Colony Optimization
Prasert Limsakul, Saravuth Pothiya and Nopporn Leeprechanon
 Thailand

D4-016 (17.00-17.20)

Energy Efficiency Improvement and CO₂ Mitigation in Thai Power Sector: Analysis of Renewable and Nuclear Power with MARKAL Model
Artite Pattanapongchai and Bundit Limmeechokchai
 Thailand

D4-025 (17.20-17.40)

Barriers and Facilitators for the Energy Efficiency Investment in the Power Sector
Naoko Doi
 Japan

D4-006 (17.40-18.00)

Efficiency Improvement of Gas-Turbine Power Plants by Absorption Chillers
Harwin Saptoadi
 Indonesia

ROOM MR 216-217 – TOPIC G (Oral)**G2-007 (13.00-13.40)**

Development of the Asian Dust Aerosol Model 2 with the Dust Emission Reduction Factor Derived from Spot/Vegetation Data
Soon-Ung Park, Anna Choe and Moon-Soo Park
 Korea

G1-002 (13.40-14.00)

Spatial and Temporal Characteristics of PM10 Emissions in Saraburi, Thailand
Sittichai Pimonsree, Prungchan Wongwiset and Rudklao Pan-Aram
 Thailand

G2-001 (14.00-14.20)

Development of Climate Change Adapted Weather Files for Building Performance Simulation: Implications for Southeast Asia
Mark F. Jentsch, Choo Khean Chang, Patrick A. B. James, AbuBakr S. Baha and Yat H. Yau
 United Kingdom

G2-002 (14.20-14.40)

Smoke-Haze Forecast Modeling for Upper North Thailand during March-April 2008
Kasemsan Manomaiphiboon, Petch Pengchai, Vanisa Surapipith, Sarawut Thepanondh, Rattapon Onchang, Nuwee Wiwatwattana, Veerachai Tanpipat and Savitri Garivait
 Thailand

G5-001 (14.40-15.00)

'Carbon Capture-Ready' Design of Ultra Mega Power Projects in India, to Remove Barriers to Later Retrofit of CO₂ Capture and Sequestration
Philip Napier-Moore and Rhodri Edwards
 Thailand

G5-002 (15.00-15.20)

Influence of Land Managements to Carbon Sequester in a Tropical Agricultural Soil
Sathaporn Jaiarree, Amnat Chidthaisong, Nipon Tangtham, Chongrak Polprasert Ed Sarobol and Stanley, C. Tyler
 Thailand

----- COFFEE BREAK -----

G1-X002 (15.40-16.00)

Air Pollution in Asian Countries: Levels, Sources and Climate Effects

Nguyen Thi Kim Oanh

Thailand

G1-003 (16.00-16.20)

Removal of Exhaust Particulate Matter from Biomass Furnace using a Multiple-tube Electrostatic

Trap Pravit Limueadphai, Panich Intra and Nakorn Tippayawong

Thailand

G2-004 (16.20-16.40)

Optimization of Jatropha Biodiesel Fuel Cycle Using a Fuzzy Linear LCA Model

Jo-Anne B. Ballacillo, Kathleen B. Aviso and Raymond R. Tan

Philippines

G2-005 (16.40-17.00)

Methane Generation Rate Constant in Tropical Landfill

Komsilp Wangyao, Masato Yamada, Kazuto Endo, Tomonori Ishigaki, Tomohiro Naruoka, Sirintornthep Towprayoon, Chart Chiemchaisri and Nopparit Sutthasil

Japan

G3-005 (17.00-17.20)

Greenhouse Gas Mitigation through Sugarcane Farm Management and Biomass Utilization in Sugar Mill Factory: A Case Study in Eastern Thailand

Monthira Yuttitham and Amnat

Chidthaisong

Thailand

G1-007 (17.20-17.40)

Estimation of Carbon Footprint of Rice Cultivation with Different Field Management

Kanlayanee Fusuwanakaya, Tassanee

Jiaphasuanan and Sirintornthep

Towprayoon

Thailand

G3-006 (17.40-18.00)

Sustainable Cultivation of Irrigated Rice Field under Climate Change Crisis

Tassanee Jiaphasuanan, Amnat

Chidthaisong and Sirintornthep

Towprayoon

Thailand

**ROOM MR 218-219 – TOPIC B, E, F, G
(Poster)****B2-001 (13.00-13.10)**

Properties of Materials with Martensite Phase Transitions for the Solar Energy Transformation

Jahangir Payamara and Aria Payamara

Iran

B2-004 (13.10-13.20)

Experimental and Simulated Performances of a Roof-Integrated Solar Drying System for Deep Bed Drying of Longan

Niroot Lamlert, Serm Janjai, Poolsak Intawee, Busarakorn Mahayothee, Bilash Kanti Bala, Marcus Nagle and Joachim Muller

Thailand

B2-006 (13.20-13.30)

Refining of Solar Grade Silicon by Argon and Hydrogen Plasma arc

Young Koo Park, Jeong Mo Yoon, Woo Min Lee, Duk Yong Song and Young Soo Ahn

Korea

B2-018 (13.30-13.40)

A Sun-tracking System for a Double-pass Thermoelectric Solar Air Collector

Naem Khasee, Bopit Bubphachot and Charoenporn Lertsatitthanakorn

Thailand

B2-019 (13.40-13.50)

Improvement of Cell Performance by using ZnO Nanorod Arrays as the Electrode for Dye-sensitized Solar Cell

Patcharee Charoensirithavorn, Takashi Sagawa, Shuzi Hayase and Susumu

Yoshikawa

Japan

B2-032 (13.50-14.00)

Optical Studies of the Microwave-Treated TiO₂ by Quantum Radiation Technology

Taro Sonobe, Mahmoud A. Bakr, Keisuke Higashimaru, Kyohei Yoshida, Ryota Kinjo, Heishun Zen, Toshiteru Kii, Kai Masuda, Kazunobu Nagasaki and Hideaki Ohgaki

Japan

B2-035 (14.00-14.10)

Construction of Photo-driven Artificial Reductase as a New Technology of Photo Energy Conversion System

Masatora Fukuda, Shun Nakano, Liew Fong-Fong, Kazuki Tainaka and Takashi

Morii

Japan

D4-014 (14.10-14.20)

YBa₂Cu₃O_{7-x} (YBCO) High Temperature Superconductors for Flywheel Energy Storage System

Oratai Jongprateep, Duangrudee Chaysuwan and Fatih Dogan
Thailand

B3-001 (14.20-14.30)

Investigation on Solar Energy Position of Iran Desert Regions

A. sadeghipour, M. jafari and N. kamali
Iran

B3-004 (14.30-14.40)

Life Cycle Assessment and Life Cycle Cost Analysis of Amorphous Silicon Photovoltaic Systems in Thailand

Seksan Papong and Pomthong Malakul
Thailand

B4-002 (14.40-14.50)

Theoretical study of Compton Effect on a solar cell

Lingam Rajendra Reddy and S. Srinivas Rao
India

B4-011 (14.50-15.00)

Three Year's Experience (2006-2008) on PV/Diesel Hybrid System in a Rural Elementary School in Thailand

Dokrak Pongchawee, Sumate Tanchareon, Tawatchai Suwannakum and Usa Boonbumroong
Thailand

B4-013 (15.00-15.10)

Applications of Polyethylene Plastic Pipe for Flat Plate Solar Collector

Alongkot Wudhiprom, Ekkawach Sakalrachata, Niwat Ruangrotsin, Bavornsak Phecharanon, Teerasak Somsak and Marnoch Amornmongkol
Thailand

B2-X002 (15.10-15.20)

MIR-FEL Gain Saturation at Kyoto University

Mahmoud A. Bakr, Heishun Zen, Keisuke Higashimura, Kyouhei Yoshida, Ryota Kinjo, Taro Sonobe, Toshiteru Kii, Kai Masuda and Hideaki Ohgaki
Japan

----- COFFEE BREAK -----

E1-010 (15.40-15.50)

Development of Rural Community Factor to Own Renewable Energy Resource in Thailand: Case study on Biogas Energy
Chaayos Nudol, Sirichai Thepa, Kaokanya Sudaprasert and Wanchai Chimchavee
Thailand

E1-012 (15.50-16.00)

Energy Crop Technology Roadmap: Analysing the Potential of Sugarcane, Cassava, and Oil Palm to Achieve Thailand's National Target

Ponpiboon Satangput, Surachai Sathitkunarat and Nares Damrongchai
Thailand

E1-016 (16.00-16.10)

Does Cambodia need biofuels? Challenges, opportunities and policy options for Jatropha curcas-based biofuels
Wyn Ellis, Siriluck Nivitchanyong, Samai Jai-In, Simon Grimley, Nuwong Chollacoop, Sittha Sukkasi and Dawood Ghaznavi
Thailand

E1-018 (16.10-16.20)

The Convert Policy of Kerosene into Gas in Indonesia

Hartuti Purnaweni
Indonesia

E3-001 (16.20-16.30)

Effects of T&D Loss Reduction for Power Generation Saving and Emissions Mitigation in Indonesia

Muhammad Ery Wijaya and Bundit Limmeechokchai
Thailand

E3-002 (16.30-16.40)

Evaluation of Energy Demand and Supply under Electricity Generation Scenarios of Thailand

Thirayu Pinthong and Wongkot Wongsapai
Thailand

D4-010 (16.40-16.50)

Peak Load Forecasting using Machine Learning Approaches

Kamphol Promjiraprawat and Bundit Limmeechokchai
Thailand

E4-012 (16.50-17.00)

Assessment of Policy on Promotion of Ethanol and Bio-diesel in Thailand: A Study of the Input-Output Analysis

Suthathip Suanmali and Bundit Limmeechokchai
Thailand

E4-X001 (17.00-17.10)

Modeling Causality between Petroleum Consumption and GDP in G7 Countries
Jaruwan Chontanawat
Thailand

F1-004 (17.10-17.20)

Removal of Heavy Metals from Wastewater by Chitosan Composite Biosorbent: Adsorption Mechanisms
Sittiwat Kitsatienkun, Pitak Laoratanakul and Pakorn Opaprasakit
Thailand

G1-006 (17.20-17.30)

Impact Assessment of Product from Using Wastes as Alternative Fuels and Raw Materials in Cement Processing
Katesuda Sukkrom, Patana Anurakpongsatorn and Prapaipid Chairattanamanokorn
Thailand

G1-X004 (17.30-17.40)

Characterization of particulate matter emitted from mono and co-firing of Thai lignite and agricultural residues in fixed bed combustor
Nattasut Mantananont, Savitri Garivait and Suthum Patumsawad
Thailand

G3-X001 (17.40-17.50)

Air Pollutant and Greenhouse Gas (GHG) Emissions from Using Sugarcane Field Residues for Heat and Power Production in Thailand
Salakjai Jenjariyakosoln and Savitri Garivait
Thailand

PARALLEL SESSIONS – REAsia 2009 (13.30 – 18.00)**ROOM MR 220 – TOPIC B & C (Oral)****B2-021 (13.00-13.20)**

Solar Recharging Stations: Selling Hours of Solar Lighting in the Evening
Leon Gaillard and Andy Schroeter
Lao PDR

B2-025 (13.20-13.40)

Preliminary Analysis on Potentials of CO₂ reduction for Electric Vehicle with Renewable Energy
Masakazu Ito, Takuya Oda, Yasuhiro Nakai and Kosuke Kurokawa
Japan

B2-030 (13.40-14.00)

Development of a Microcontroller Based Solar Smart Charge Controller for Solar Street Lamps
L. Nirupa Rathnayake and T. Chandana Peiris
Sri Lanka

B3-002 (14.00-14.20)

Technology Assessment of PV/Diesel Hybrid System at Chik Island Village Chantaburi Province
Sugunya Pengma, Suwimol Serepaowong, Kasem Kulpradit, Pathompong Sanguanwong, Tawatchai Suwannakum and Usa Boonbumrung
Thailand

B4-008 (14.20-14.40)

Diagnosis of Dielectric Properties and Assessment of PV Module Performances after Real Operating Field Exposure at Chaiyaphum Province of Thailand
C. Dechthummarong, C. Limsakul, D. Chenvidhya, C. Jivacate and K. Kirtikara
Thailand

B4-010 (14.40-15.00)

Four Year's Experience on Mini-Grid System for Rural Electrification in Thailand
Tawatchai Suwannakum, Usa Boonbumroong, Sugunya Pengma and Dokrak Pongchawee
Thailand

----- COFFEE BREAK -----**C2-025 (15.40-16.00)**

Quantum Beams for Advanced Energy Sciences in Japan
Hideaki Ohgaki
Japan

C2-X001 (16.00-16.20)

Innovative Technologies for Vanadium Flow Batteries
R. H. B. Exell and P. M. Spaziante
Thailand

C3-002 (16.20-16.40)

Acoustic and Visual Impacts of a 0.25 MW
WTG at Huasai, Nakhon Si Thammarat in
Southern Thailand

*Jompob Waewsak, Chuleerat Kongruang,
Nirundorn Matan and Chaowarat Prompat*
Thailand

C4-009 (16.40-17.00)

The Feasibility Study of a 15 MW Wind
Farm in Songkhla Province, Southern
Thailand

*Jompob Waewsak, Chana Chancham,
Chuleerat Kongruang, Yutthana
Tirawanichakul, Supawan Tirawanichakul,
Nirundorn Matan, Chaowarat Prompat and
Apichart Noothong*
Thailand

C4-002 (17.00-17.20)

The Swiss Approach to Boost Mini Hydro
Projects in South-East Asia

Alex Arter
Switzerland

**ROOM MR 221 – TOPIC E, D & A, G
(Oral)**

E1-X001 (13.00-13.20)

Planetary Crisis and to Constrain Carbon
Emissions

Ron Tan
Singapore

E1-017 (13.20-13.40)

An overview on Sustainable Cities with
Emphasis on Dubai, UAE

*Mohsen Aboulnaga and Najeeb
Mohammed Al-Ali*
United Arab Emirates

E3-008 (13.40-14.00)

Renewable Energy Policy for Asia: Tackling
Systemic Hurdles in a Highly Dense City

Artie W. Ng
Hong Kong

E4-007 (14.00-14.20)

Integrated Framework for Developing CDM
Projects

Magnus A. Staudte
Thailand

D1-014 (14.20-14.40)

Solar Info Center Germany as a Model for
Asia Renewable Energy Center Singapore
– A Case Study of an 100% Emission Free
Heat Supply for Office Buildings

Rolf C. Buschmann
Germany

D1-020 (14.40-15.00)

An approach for Integrating Renewable
Energy and Energy Efficiency in Building
Applications

Tanmay Tathagat and Mridul Anand
India

D3-004 (15.00-15.20)

Economic Evaluation of Urban Mass
Transit in Asia - Cases for Bangkok, Hanoi,
Jakarta and Manila

Naoko Doi
Japan

----- **COFFEE BREAK** -----

A1-020 (15.40-16.00)

Efficient Co-combustion of Biomass in Coal
Fired CFB Boiler Plants

Elmar Offenbacher
Australia

A4-017 (16.00-16.20)

Techno-economic and Ecological
Assessment of a Biomass-to-liquid Process
Chain -A comparison for the Feedstocks
Wood Residues and Straw

*Magnus Fröhling, Pierre Kerdoncuff and
Otto Rentz*
Germany

A4-012 (16.20-16.40)

Life Cycle CO₂ Reduction Effect and Cost
Merits of Introducing Biofuel Vehicles: Case
Study in Japanese Regions

Yuki Kudoh, Kouji Ishii and Kiyoshi Dowaki
Japan

G1-X001 (16.40-17.00)

New Environmental Metrology on VOC
Ozone Precursors in Ambient Air

Franck Amiet and Michel Robert
France

G1-X003 (17.00-17.20)

Advances and Trends in Air Cleaning: The
Control of Nitrogen Oxides from Motor
Vehicle Exhaust

*Christopher O. Muller, Henri Seng and
Tavatchai Satiennattanakul*
United States of America

Thursday 21 May 2009

PARALLEL SESSIONS – SEE 2006 (10.50 – 16.00)

ROOM MR 211-212 – TOPIC A1 & A2 (Oral)

A2-043 (10.50-11.10)

Chemical Conversion of Lignocellulosics as Treated by Two-step Semi-flow-type Hot-compressed Water

Natthanon Phaiboonsilpa, Xin Lu, Kazuchika Yamauchi and Shiro Saka
Japan

F1-003 (11.10-11.30)

Experimental and Computational Study of Vaporization of Volatile Organic Compounds

R. S. Amano, Jose Martinez Lucci and Krishna S. Guntur
United States of America

F2-003 (11.30-11.50)

Preparation and Characterization of Controlled-Release Materials for Urea from Poly(lactic acid)

Auttapol Kordach, Atitsa Petchsuk, Mantana Opaprasit and Pakorn Opaprasit
Thailand

A1-017 (11.50-12.10)

Dilute Acid Pretreatment of Bamboo for Ethanol Production

Wilaiwan Leenakul and Nakorn Tippayawong
Thailand

A2-049 (12.10-12.30)

Vacuum Pyrolysis System for Bio-Oil Production from Palm Empty Fruit Bunch (EFB)

Pornphol Boonnak and Suneerat Pipatmanomai
Thailand

A2-029 (12.30-12.50)

Development Used Vegetable Oil Burner using Porous Media

Arwut Lapidattanakun, Kasemsil Onthong and Jarruwat Charoensuk
Thailand

A2-X002 (12.50-13.10)

Experimental Protocol for High-Pressure Gasoline-Spray Drop-Size Distribution Measurements by Using Laser-Diffraction Technique

C. Dumouchel, P. Yongyingsakthavorn and J. Cousin
France

----- LUNCH BREAK -----

A1-003 (14.00-14.20)

Non-Plantation Biomass Resources in Thailand

Jerasorn Santisirisomboon and Jaruthat Santisirisomboon
Thailand

A1-015 (14.20-14.40)

Assessing Growth and Biomass Productivity of Timor Mountain Gum (*Eucalyptus urophylla* ST. Blake) Plantation as Potential Sources of Renewable Energy in Thailand

Indi Hendraswari and Suree Bhumibhamon
Thailand

A1-013 (14.40-15.00)

Energy potential of Waste from Crop Residues in Thailand

Eko Heryadi, Pawinee Chaiprasert and Malinee Leethochawalit
Thailand

A1-011 (15.00-15.20)

Biofuel Briquettes from Durian Peel and Rice Straw as an Alternative Energy Resource

Waraporn Rattanongphisat, Sirinuch Chindaruksa and Panida Sreechu
Thailand

A1-004 (15.20-15.40)

Study on the Optimum Performance on a Dual-Fuel Diesel Engine with Producer Gas for Power Generation by Waste Water Sludge

Pornson Tanapitpiboon, Taveesin Lekpradit, Nimit Nipattummakul and Somrat Kerdsuwan
Thailand

A3-003 (15.40-16.00)

Waste to Wealth: Renewable Energy
 Recuperation from Dumpsite Rehabilitation
*B. F. A. Bansnayake, S. N. M. Menikpura
 and Lahiru N. Jayakody*
 Sri Lanka

ROOM MR 213 – TOPIC A3 & A4 (Oral)**A3-002 (10.50-11.30)**

Ethanol Fuel Use in Brazil: Air Quality
 Impacts
Larry G. Anderson
 USA

A3-004 (11.30-11.50)

Greenhouse Gas Balance for Biodiesel and
 Bioethanol in Thailand
Werner Siemers
 Thailand

A3-005 (11.50-12.10)

Greenhouse Gas Balance for Electricity
 Production from Biomass Resources in
 Thailand
Werner Siemers
 Thailand

A3-007 (12.10-12.30)

Bio-hydrogen Production from Palm Oil Mill
 Effluent using Heat-Enriched Anaerobic
 Mixed Microflora
*Porn-tip Wimonsong and Suwanchai
 Nitisoravut*
 Thailand

A4-003 (12.30-12.50)

Comparison of Blended Biodiesel (B2, B5,
 B10, B20, B50 and B100) with Regular
 Diesel Fuel Regarding Size of Particulate
 Matter (PM) and Gaseous Pollutants
Ittipol Paw-armart
 Thailand

A4-009 (12.50-13.10)

Effect of Antioxidants on the Oxidative
 Stability of Fatty Acid Methyl Ester (FAME)
 under Different Storage Conditions
*Parncheewa Udomsap, Nuwong
 Chollacoop, Subongkoj Topaiboul and
 Toshihiro Hirotsu*
 Thailand

----- LUNCH BREAK -----

A4-013 (14.00-14.20)

Effect of Biodiesel Properties on Non-
 Metallic Parts in Diesel Engine
*Nicha Thongket, Subongkoj Topaiboul,
 Nuwong Chollacoop, Chinda
 Charoenphonphanich and Hedinori Kosaka*
 Thailand

A4-015 (14.20-14.40)

A Technical Analysis of Bioenergy
 Production from Oil Seed Rape
Thanasit Thamsiroj and Jerry D. Murphy
 Ireland

A4-014 (14.40-15.00)

An Experimental Study of Boiler Efficiency
 Using Glycerin Blended with Diesel Fuel
 and Bio-diesel
*Chatcharin Sakkampang and
 Prapat Suntivarakorn*
 Thailand

A4-004 (15.00-15.20)

Assessing Carbon Balance of Power
 Generation by Municipal Solid Waste
 Incinerators with Feedstock of Vetiver
*Yuh-Ming Lee, Chiung-Lung Su and Hung-
 Ju Tsao*
 Taiwan

A4-019 (15.20-15.40)

Comparison Study on Life Cycle
 Assessment of Small-Scale Dendrothermal
 Power Generation for in Thailand including
 Economic Feasibility Analysis: a Case
 Study
*Jenjira Piamdee, Natanee Vorayos,
 Tanongkiat Kiatsiriroat, Weerachai Arjharn
 and Nat Vorayos*
 Thailand

A4-005 (15.40-16.00)

Feasibility Study of Using Steam
 Hydrogasification for the Production of
 Synthetic Transportation Fuel: Application
 to Thailand
*Kamarat Jermsirisakpong, Chan S. Park
 and Joseph Norbeck*
 United States of America

ROOM MR 214-215 – TOPIC D (Oral)**D2-003 (10.50-11.10)**

A Thermal Modeling of Ladle for Energy
 Conservation in Steelmaking Process
*Jakkrawut Jaroonsaratul, Siripong
 Cheanklin, Pongtorn Charunyakorn and
 Ittipon Diewwanit*
 Thailand

D2-004 (11.10-11.30)

Highly Preheated Fuel and Air in
Nonpremixed Porous Burner
*Kanokkarn Wongwatcharaphon and
Sumrerng Jugjai*
Thailand

D2-006 (11.30-11.50)

Fundamental Study on Primary Air
Entrainment of a Self-aspirating Burner:
Comparison on Hot test and Cold test Case
Apinunt Namkhat and Sumrerng Jugjai
Thailand

D2-008 (11.50-12.10)

Energy Conservation in a Reheating
Furnace Using Regenerative burners
Combined with Recuperator
Kanit Manatura and Mingsak Tangtrakul
Thailand

D2-010 (12.10-12.30)

Turbulent Heat Transfer in a Channel Fitted
with Rib/Groove
*W. Jedsadaratanachai, S. Sripattanapipat,
S. Kwankaomeng and P. Promvong*
Thailand

D2-011 (12.30-12.50)

Heat Transfer Augmentation in a Channel
Using Delta Winglet and Rib
*T. Chompookham, S. Sripattanapipat, W.
Chingtuaythong, C. Thianpong and P.
Promvong*
Thailand

D2-012 (12.50-13.10)

Some Notes on the Introduction of
Industrial Excess Heat and Absorption
Process in a CHP System
*Inger-Lise Svensson and Bahram
Moshfegh*
Sweden

----- LUNCH BREAK -----

ROOM MR 216-217 – TOPIC E (Oral)**E1-020 (10.50-11.30)**

Evaluation of GHG Emissions and
Reduction Policies in Japan - Based on the
Analysis of Japanese Companies
Seiji Ikkatai
Japan

E3-005 (11.30-11.50)

Thailand's Very Small Power Producers
Program: How Communications Theory
and Practices can be used to Better
Understand and Promote this Renewable
Energy Initiative
Chris Webber
United Kingdom

E-3007 (11.50-12.10)

Considerations for Planning Sustainable
Biodiesel Development in the Greater
Mekong Subregion
*Sittha Sukkasi, Nuwong Chollacoop, Wyn
Ellis, Simon Grimley and Samai Jai-In*
Thailand

E4-001 (12.10-12.30)

The Analysis of Energy Saving and Carbon
Dioxide Emissions in Thai Manufacturing
Sector by Decomposition Technique
*Yasintinee Aimyuak and Wongkot
Wongsapai*
Thailand

E4-002 (12.30-12.50)

Negative Externalities and Electricity
Prices: Exploring the Full Social Costs of
Conventional, Renewable, and Nuclear
Power Sources
Benjamin K. Sovacool
Singapore

E4-003 (12.50-13.10)

Economic Feasibility Study of BTL
Production in Thailand
*Peeraya siriput, Boonrod Sajjakulnukij and
Navadol Laosiripojana*
Thailand

----- LUNCH BREAK -----

A1-007 (14.00-14.40)

Energy Outlook: Key Trends
H. P. Garg
India

E4-009 (14.40-15.00)

Modeling of Biomass-to-Liquid Process
(BTL) Flowsheet Using Aspen Plus
*Piyapong Hunpinyo, Rungrote Kokoo, Karn
Pana-Suppamassadu, Phavanee
Narataruksa, Sabaitip Tungkamani,
Tawian Kangsadan and Siriluck
Nivitchanyong*
Thailand

E4-011 (15.00-15.20)

The Effect of Construction of Nuclear Fuel Cycle Facilities on Residual Land Price: The Case of Mutsu-Ogawara Area in Japan
Fumihiko Yamane, Misaki Matsumura, Hideaki Ohgaki and Kota Asano
 Japan

E4-013 (15.20-15.40)

Decomposition Analysis of CO2 Emissions in Thai Household Sector by Logarithmic Mean Divisia Index
Pornphimol Winyuchakrit and Bundit Limmeechokchai
 Thailand

E4-014 (15.40-16.00)

Dynamic Approach for Energy Efficiency Improvement and Emission Reduction in Indian Power Sector
Mukesh Bhesaniya, Prem K. Kalra and Rajiv Shekhar
 India

ROOM MR 218-219 – TOPIC B (Oral)**B2-033 (10.50-11.10)**

Hydrogen Generation from Iron and Water Utilizing the Renewable Solar Energy
Hideo Shingu, Tatsuo Shigeta, Kenichi Amada and Toyoji Ohnishi
 Japan

B1-002 (11.10-11.30)

Theoretical Simulations of a Natural Convection Solar Air Heater
K. S. Ong, Kenny Tan, Tee W. N. and Chandok, S.
 Malaysia

B2-014 (11.30-11.50)

Improving Targeting Accuracy of Heliostats by Installation and Construction Error Compensation
Peerapat Owatchaiyapong, Sawat Luengruengrit, Somchai Kiatgamolchai and Supavut Chantranuwathana
 Thailand

B2-026 (11.50-12.10)

Design of a Solar Dish Free-Piston Stirling Engine-Pump
Sutapat Kwankaomeng and Pongjet Promvongse
 Thailand

B2-027 (12.10-12.30)

Experimental Test of Ethanol Distillation by Direct Boiling in Solar Collector
Nataneer Vorayos, Narindr Malawanno and Tanongkiat Kiatsiriroat
 Thailand

B2-028 (12.30-12.50)

Design, Development and Fabrication of Flexible Solar Tent for Defence Applications
Ashok Kumar L.
 India

----- LUNCH BREAK -----**B4-001 (14.00-14.20)**

Experimental Study of the Regenerator in a Liquid Desiccant Cooling System
W. Saman, E. Halawa and T. Chanprasopchai
 Australia

B4-003 (14.20-14.40)

Influence of the Thermohydrodynamic Aspect of Fluid Flow on the Performance Analysis of a Solar Chimney Power Plant
Toufik Chergui, Salah Larbi, Amor Bouhdjar and Mourad Gahgah
 Algeria

B4-005 (14.40-15.00)

Comparisons of Air Gap Effects for Various Enclosures of Photovoltaic Wall on a Building to Reduce Cooling Loads and Increase Clean Electricity Generation
Piyatida Trinuruk and Chumnong Sorapipatana
 Thailand

B4-007 (15.00-15.20)

A Hybrid PV/Th Air Heating System for Regenerating Desiccant in an Air Conditioned Room: Simulation and Experimental Validation
Y. Sukamongko, S. Chungpaibulpatana and B. Limmeechokchai
 Thailand

B2-015 (15.20-15.40)

Use TRNSYS for Modeling and Simulation of 3 Phase AC-couple Island Grid System
Usa Boonbumroong, Naris Pratinthon, Sirichai Thepa, Tawatchai Suwannakum, Dokrak Pongchawee, Chaya Jivacate, Wimolsiri Pridasawas and Suwit Tia
 Thailand

B2-016 (15.40-16.00)

Model-based Optimization of Stand alone Hybrid Power Systems
Usa Boonbumroong, Naris Pratinthong, Sirichai Thepa , Tawatchai Suwannakum, Dokrak Pongchawee, Chaya Jivacate, Wimolsiri Pridasawas and Suwit Tia
 Thailand

ROOM MR 220 – TOPIC C, D & A (Poster)**C2-017 (10.50-11.00)**

Three-Dimensional Model and Experiment of Serpentine Flow Field for Proton Exchange Membrane Fuel Cell using CFD
Nattawoot Jaruwassupant and Yottana Khunatorn
 Thailand

C2-020 (11.00-11.10)

A model of a Micro-hydropower Generation by using Induction Generation
Varin Vongmanee
 Thailand

C2-023 (11.10-11.20)

Development and Characterization of Expanded Graphite-Based Composite as Bipolar Plate for Polymer Electrolyte Membrane Fuel Cells (PEMFCs)
Munu Borah, Rupam Kataki and Rahul S. Chutia
 India

C4-003 (11.20-11.30)

Effects of Gas Humidification in Cell Performance of Proton Exchange Membrane Fuel Cell by Numerical Simulation
Keerasut Suttanarak, Nirut Naksuk, Jaruwat Charoensuk and Shuichiro Hirai
 Thailand

C4-005 (11.30-11.40)

Investigation of Home built Pico-hydro Power Generation Efficiencies in Thailand
Usa Boonbumroong, Tawatchai Suwannakum, Dokrak Pongchawee and Sugunya Pengma
 Thailand

C4-006 (11.40-11.50)

Performance of WindSim in a Complex Terrain in Thailand
A. Jilou, K. Kirtikara, C. Jivacate and D. Sukawat
 Thailand

F2-005 (11.50-12.00)

Sustainable Management Model of Hybrid PV/ Micro Hydro Power System for Public Service at Pe-tu-ke Village, Omkoi District, Chiang Mai Province
Prasert chaiprasit, Sasitron Suwannatthep and Komkrit Chomsuwan
 Thailand

E3-009 (12.00-12.10)

Energy Use Index of High Area Activity in Royal Project Research Station (Inthanon, Nong-Hoi, Khun-Wang and Pang-Da)
Teerasak Somsak, Ronnakorn Amphansre, Chirapan Nuenchaknin and Bavornsak Pedjaranon
 Thailand

D1-001 (12.10-12.20)

Reducing Energy Consumption in Buildings using Gunny as an Insulation
Jahangir Payamara
 Iran

D1-005 (12.20-12.30)

Experimental Studies of a Humidity Ratio Profile using Inverter and Conventional Air-conditioning System
Thammanoon Sookchaiya, Nuparb Yamtraipat, Veerapol Monyakul and Sirichai Thepa
 Thailand

D1-018 (12.30-12.40)

Utilization of Air in Crawl Space with a Modified Trombe Wall for Natural Ventilation and Heat Protection
Maniporn Pichaisak and Sudaporn Chungloo
 Thailand

D2-001 (12.40-12.50)

AEON Eco-store Principles for the Creation of Energy Efficient and Sustainable Policies in Bangkok Retailer Industry
Nao Tanida
 China

D2-002 (12.50-13.00)

Study on Energy Saving of Furnace Wall Storage Loss by using Ceramic Fiber
Tawan Paphapote, Nattadate Fuangworawong and Banyawake Songr
 Thailand

D4-021 (13.00-13.10)

Variable Length Intake Plenum
M. Akif Ceviz
 Turkey

----- LUNCH BREAK -----

C4-010 (14.00-14.10)

Stability Improvement of a Wind Farm
Supported with STATCOM using Sliding
Mode Control

H. Afshari, G. Riahi Dehkordi and F. Salehi
Iran

A2-X003 (14.10-14.20)

Enhanced Synthesis Gas Production by
Co- Gasification of Physic Nut and Glycerol
Waste

*Sildara Thassanaprichayanont, Siritha
Ausadasuk, Viboon Sricharoenchaiku and
Duangduen Atong*
Thailand

A2-X004 (14.20-14.30)

Pyrolysis and Gasification of Glycerol
Waste in a Fluidized Bed Reactor for
Production of Fuel Gas

*Viboon Sricharoenchaiku, Sildara
Thassanaprichayanont, Siritha Ausadasuk,
Kanit Soongprasit and Duangduen Atong*
Thailand

A3-001 (14.30-14.40)

The Pozzolanic Behaviour of Modified Slag
from Municipal Solid Waste Incinerator Fly
Ash and Sewage Sludge Ash by Co-melting
Process

*Kae- Long. Lin, Deng-Fong Lin and Je-
Lueng Shie*
Taiwan

A4-016 (14.40-14.50)

Micro Energy Systems Analysis for
Developing Rural Applications in India
Avishek Banerjee and Mike Tierney
United Kingdom

A4-018 (14.50-15.00)

Corn Cobs and Rice Husk as Potential
Energy Resources for Electric Power
Generation via Gasification

Sunu H. Pranolo and Herri Susanto
Indonesia

A4-020 (15.00-15.10)

Charcoal Production in North-East India: A
Case Study on Biomass Utilization and
Charcoal Production in Traditional Kilns

*Rupam Katak, Rahul S. Chutia and
Santonu Kashyap*
India

Instructions to Speakers

Presentation duration: 15 min. for presentation + 5 min. for question

Format: Power point presentation only (recommended version: MS Office 1997 - 2003). Presentations in the form of transparency will not be accepted.

Recommendation to Speakers:

1. Please check the schedule of your paper presentation in the detailed program.
2. Please register your presentation at the on-site WREC 2009 - Asia Secretariat room at the earliest time. The Presentation Registration will be open on Tuesday 19 May 2009 during 8.30-12.00 and 13.30-17.30, Wednesday 20 May 2009 during 8.30-12.00 and 13.30-17.30, and Thursday 21 May 2009 during 8.30-12.00
3. Please provide a brief introduction of yourself (the presenter) by filling in the form provided at the secretariat room. A copy of this form will be submitted to the session chairman, who will introduce each Speaker before the presentation.
4. Files should be saved on a handy drive, ready to be loaded on the computers at the Secretariat room.
5. For presentation projection, only LCD projector connected to a computer will be available, presentation in the form of transparency will not be accepted.
6. During the Conference, the Notice of the Conference will be posted at the on-site Secretariat room. Please check regularly for some possible changes in the schedule.
7. Please arrive at the session room 10 minutes in advance to check that everything is ready for your presentation.

Instructions to Poster Presenters

Location:

Poster sessions will be located on the second floor at Pre-Function area of Grand Hall (Plenary Session Room). To locate your assigned poster board, please look for the board marked with your paper reference number, such as A1-007, D3-030 and so on. A map with poster presentation location will also be available at the Poster desk.

Set Up Your Poster/Give Your Presentation:

1. Each Presenter will be provided with a 250 cm height x 100 cm width poster board and materials necessary to set up their poster on the board.
2. The size of the poster is set at 120 cm height x 90 cm width.
3. Posters should be set up on Tuesday 19 May 2009 from 8.30 onwards
4. Please make sure that your paper number is clearly visible on your poster board.
5. Mounting and other materials will be available at the Poster desk.

Remove Your Poster:

Posters must be removed on Thursday 21 May 2009 - 15.30-17.30. Posters remaining after the indicated time will be removed and kept at the Secretariat room.

Poster Desk:

A Poster desk will be set next to the Conference Registration desk. Staff will be available to assist you with location and other on-site needs.

Posting time:

Tuesday 19 May 2009	8.30 onwards
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Best Poster award:

Thursday 21 May 2009	16.30 - 17.30
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Removal time:

Thursday 21 May 2009	15.30 - 17.30
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