

Detailed Program

DAY ONE: 12 November 2014

08:30 – 10:15 **Opening Ceremony & Keynote Session** **Ballroom**

- 08:30 – 08:40 **Introductory speech by**
Assoc. Prof. Dr. Weerakorn Ongsakul, GMSARN Secretary General
- 08:40 – 08:50 **Opening & Welcome address by**
Assoc. Prof. Dr. Vu Dinh Thanh, Rector, Ho Chi Minh University of Technology, Vietnam
- 08:50 – 09:30 **Keynote Speaker I: “Thailand Mega Project for GMS Connectivity” by**
Mr. Athibhu Chitranukroh, Chief of Transport Logistic, Planning Bureau, Ministry of Transport (MOT), Bangkok, Thailand
- 09:30 – 10:15 **Keynote Speaker II: “Renewable Energy Plan in Thailand” by**
Dr. Karnnalin Theerarattananoon, Energy Research Bureau, DEDE, Ministry of Energy (MOE), Bangkok, Thailand

10:15– 10:30 **Coffee / Tea Break**

10:30– 12:00 **Day One Parallel Sessions in the Morning**

10:15 – 12:00 **ENERGY I** **Ballroom**

Session Chairman: Dr. Rikke Lybæk, Roskilde University, Denmark

- | | | |
|------|--|-----------------|
| E-01 | Solar Farms Energy and Solar Roof Currently Located in Region of Thailand
<i>C. Suphahitanukool, I. Hunsacharonroj, and S. Teekasap</i> | <i>Thailand</i> |
| E-02 | New Distribution Options for Biogas in Denmark – Experiences from Case Studies Conducted on Zealand
<i>Rikke Lybæk, Tyge Kjær, and Regin Gaarsmand</i> | <i>Denmark</i> |
| E-03 | A Preliminary Study of Glucose Conversion from Oil Palm Residues
<i>Tanakorn Wongwuttanasatian, and Kittichai Jookjantra</i> | <i>Thailand</i> |
| E-04 | An Experimental Study of Lignocellulosic (Oil Palm Residues) Pretreatments for Cellulose Extraction
<i>Tanakorn Wongwuttanasatian, Amnat Suksri, and Kittichai Jookjantra</i> | <i>Thailand</i> |
| E-05 | Application of Heat Insulation Solar Glass for Glass Buildings
<i>Tran Thi Bich Quyen, Chin-Huai Young, Bui Le Anh Tuan, and Ching-Sung Hsu</i> | <i>Taiwan</i> |
| E-20 | Evaluation of Carbon Equivalences in Ethanol Production from Energy Crops in Thailand
<i>Thanakrit Neamhom, Withida Patthanaissaranukool, and Chongchin Polprasert</i> | <i>Thailand</i> |

10:15 – 12:00 **SUSTAINABLE DEVELOPMENT I** **Board Room 1**

Session Chairman: Dr. Pensri Jaroenwanit, Khon Kaen University, Thailand

- | | | |
|-------|---|-----------------|
| SD-02 | Changing in Agricultural Activities and the Influences of the | <i>Thailand</i> |
|-------|---|-----------------|

	ASEAN Economic Community (AEC) in Changing Land Use of Farmers in Phatthalung Province <i>Anisara Pensuk Tibkaew, Supaluk Sujatanond, and Will Shattuck</i>	
SD-03	Development of e-Commerce Competencies among Community Enterprise and SMEs in the Northeastern Region of Thailand <i>Pensri Jaroenwanit, and Supot Deeboonmee</i>	Thailand
SD-04	Application and Advantages of PA's Precise Rice Cultivation Method in Chaiyaphum Province and Sisaket Province, Thailand <i>Pensri Jaroenwanit, Sangdeun Bussabongpriwal, and Ananya Soikum</i>	Thailand
SD-05	Capacity Building and People's Participation in Protection and Conservation Community Forestry and Bio-Diversity in Amnatcharoen Province <i>Romanee Thongdara, and Anisara Pensuk Tibkaew</i>	Thailand
SD-07	Khao Huai MaHad Biodiversity Restoration Project <i>Sujitra Phongcharoen, and Savanit Boonyasuwat</i>	Thailand

12:00 – 13:15 Lunch

13:15 – 17:30 Day One Parallel Sessions in the Afternoon

13:15 – 15:00 ENERGY II Ballroom
Session Chairman: Dr. Pornrapeepat Bhasaputra, Thammasat University, Thailand

E-06	Solar Power Alternative in Cellular Mobile Networks <i>Kreingkrai Chongkhanpond, Pornrapeepat Bhasaputra, Woraratana Pattaraprakorn, and Chokechai Sansilah</i>	Thailand
E-07	Improved Particle Swarm Optimization Method for Optimal Power Flow with FACTS Devices <i>Dinh Luong Le, Dac Loc Ho, and Ngoc Dieu Vo</i>	Vietnam
E-08	Methodology to Configure Optimal Inner Grid of Offshore Wind Farm <i>Je-Seok Shin, Yong-Seung Lee, and Jin-O Kim</i>	South Korea
E-09	On-line and Off-line Diagnostic Methods for Power System Facilities in Smart Grid <i>Yun-Seong Lee, Yong-Seung Lee, and Jin-O Kim</i>	South Korea
E-10	Application of Cuckoo Search Algorithm for Optimization Power Flow in Power Systems <i>Le Anh Dung, Vo Ngoc Dieu, and Dinh Hoang Bach</i>	Vietnam
E-21	Contribution of Green Garbage to Energy Production in Municipal Solid Waste Management <i>Bussarakam Thitanuwat, and Chongchin Polprasert</i>	Thailand

13:15 – 15:00 SUSTAINABLE DEVELOPMENT II Board Room 1
Session Chairman: Assoc. Prof. Dr. Vilas Nitivattananon, Asian Institute of Technology, Thailand

SD-01	The Influence of Sound Material Society in Thailand <i>Vilas Nitivattananon, Laksiri Chomchuen, Claudius Gabinete,</i>	Thailand
-------	---	----------

SD-06	<i>Amornpong Thongbhakdi, and Guilberto Borongan</i> Self Help Groups (SHGs) as a Tool of Socioeconomic Development of Rural People in the Mekong Region (A Case Study with Special Reference to the Kratie and Stung Treng Provinces of Cambodia) <i>V. Manjunatha, and Theo Ebbers</i>	<i>Thailand</i>
SD-08	North Korean Views on Vietnam: From Fraternal Friendship to Economic Development Model <i>Sitthiphon Kruarattikan</i>	<i>Thailand</i>
SD-09	Challenges for Thai OTOP Community Enterprises: Experiences from Thailand and Japan, a Comparative Study <i>Saifon Suindramedhi</i>	<i>Thailand</i>
SD-10	Assessment of Land-use Change and Urban Growth in Phuket Province, Thailand <i>Potjamas Chuangchang, and Phattrawan Tongkumchum</i>	<i>Thailand</i>
SD-12	Prediction of Mass Landslides of River Banks Subjected to Variations of the Water Level <i>Chhun Soksan, Ky Sambath, Martinez Juan, and Huynh Thanh Son</i>	<i>Cambodia</i>

15:00– 15:15 Coffee / Tea Break

15:15 – 17:30

ENERGY III

Ballroom

Session Chairman: Prof. Young-Do Choi, Mokpo National University, South Korea

E-11	Performance of an Open Ducted Type Very Low Head Cross-Flow Turbine <i>Zhenmu Chen, Van Thanh Tien Nguyen, and Young-Do Choi</i>	<i>South Korea</i>
E-12	Numerical Investigation and Optimization of Vertical-Axis Wind Turbine Using Kriging Metamodel and Genetic Algorithm <i>Woo-Seok Cho, Seok Heum Baek, Seung-Chan Kim, Kyoung-Tea Han, Young-Gun Heo, Jong-Hyun Jeong, Dong-Hwa Lee, Dong-Hee Yoon, and Kyoung Ho Choi</i>	<i>South Korea</i>
E-13	Augmented Lagrangian Hopfield Network Applications for Direct Current Optimal Power Flow <i>Vo Ngoc Dieu, and Le Quoc uy</i>	<i>Vietnam</i>
E-14	Optimal Reactive Power Dispatch Using Artificial Bee Colony Method <i>Vo Ngoc Dieu, Nguyen Huu Thien An, and Vo Trung Kien</i>	<i>Vietnam</i>
E-16	The Energy Performance Index for Commercial Building in Thailand <i>Vivat Chutiprapat, Chokechai Sansilah, Pornrapeepat Bhasaputra, and WoraratanaPattarakorn</i>	<i>Thailand</i>
E-23	Energy Efficiency Improvement Opportunities in “New Modern Energy Consumers” in the Greater Mekong Sub-region <i>Gabrial Anandarajah, and Julia Tomei</i>	<i>United Kingdom</i>

15:15 – 17:30

ENVIRONMENT I

Board Room 1

Session Chairman: Asst. Prof. Dr. Chongchin Polprasert, Mahidol University, Thailand

Env-01	The Study Of Odor Treatment Of Digested Organic Wastes <i>Áu thị Kim Oanh, Đặng Minh Tâm, and Nguyễn Thị Thanh</i>	<i>Vietnam</i>
--------	---	----------------

	<i>Phurong</i>	
Env-05	Effect of Cleansing Water and the Amount of Allowed Air on Efficiency of Microwave Radiation for Decentralized Wastewater Treatment <i>Tu Anh Nguyen, Sandhya Babel, and Siwarutt Boonyarattanakalin</i>	<i>Thailand</i>
Env-06	Use of Wastewater as a Substrate for Sugary Kefir Growth and Value Added Products Formation <i>Phattaraporn Sarikkha, Siwarutt Boonyarattanakalin, and Rachnarin Nitisoravut</i>	<i>Thailand</i>
Env-07	Phosphorus recovery from co-composting of faecal sludge and fresh food market waste <i>Weerapong Hanrinth, and Chongchin Polprasert</i>	<i>Thailand</i>
Env-08	A study on Screening of Floating Plants for Removal of Lead from Wastewater <i>Oley Phearkeo and Sandhya Babel</i>	<i>Thailand</i>
Env-09	Application of Magnetic Particles for Phosphorus Removal from Domestic Wastewater <i>Giang Truc Le Thi, and Paiboon Sreearunothai</i>	<i>Thailand</i>
Env-10	Reducing Waste to Landfill: A Multiple Regression Analysis <i>Olivier Gervais</i>	<i>Japan</i>

18:30 – 20:30 Reception Dinner at Palace Hotel Saigon

DAY TWO: 13 November 2014

07:30 – 20:30 One day trip to Mekong Delta (Meeting Point is at Palace Hotel Saigon)

DAY THREE: 14 November 2014

09:00 – 09:45 Keynote Session Ballroom

09:00 – 09:45 Keynote Speaker III: “Economic Cooperation and Strategy in GMS” by Ms. Sumitra Pooltong, Strategic Planning Expert, NESDB, Bangkok, Thailand

09:45– 10:00 Coffee / Tea Break

10:30 – 11:45 Day Three Paralle Sessions in the Morning

10:30 – 11:45 ENERGY IV Ballroom
Session Chairman: Dr. Vo Ngoc Dieu, Ho Chi Minh City University, Vietnam

E-15	Renewable Energy for Rural Electrification in Thailand: A Case Study of Solar PV Rooftop Project <i>Wichit Krueasuk, Pornrapeepat Bhasaputra, Woraratana Pattaraprakorn, and Supattana Nirukkanaporn</i>	<i>Thailand</i>
E-17	Lead-Acid Battery Model in Electric Vehicles via Cuckoo Search Algorithm <i>Khai Phuc Nguyen, Goro Fujita, Horikoshi Yusuke, Kumagai</i>	<i>Vietnam</i>

