

**Program of ASEAN COST+3: New Energy Forum for Sustainable Environment (NEFSE)
25-27 May 2008 (Tentative)**

**Venue: The Kyoto University Clock Tower Centennial Hall,
International Exchange Hall ,
Kyoto, Japan**

25 May 2008 (Sunday)	NEFSE Pre-Symposium – Tentative 6th Eco-Energy and Materials Science and Engineering Symposium (EMSES) Main Subject: New Energy Technology International Exchange Hall	
9:00 – 9:30	REGISTRATION	
9:30 – 9:50	Opening Ceremony (Chairman: Prof. Yukio Ogata, Director of IAE, Kyoto University)	
9:30 – 9:35	Welcome address by Prof. Kiyoshi Yoshikawa, Kyoto University	
9:35 – 9:40	Opening address by Prof. Numyoot Songthanapitak, President of RMUTT	
9:40 – 9:45	Opening remark by Prof. Susumu Yoshikawa, Chair of SEE Forum	
9:45 – 9:50	Opening Address by Assoc. Prof. Dr. Sommai Pivsa-art, RMUTT	
9:50 – 10:25	Plenary Lecture 1 Prof. H. P. Garg, IREDA Chair, Emeritus Professor of IIT-D, India “Sustainable Energy Development in Asia”	
10:25 – 11:00	Plenary Lecture 2 Dr. Masayuki Kamimoto, Director, AIST Kansai National Institute of Advanced Industrial Science and Technology (AIST) “Energy Research at AIST for Sustainable Development”	
11:00 – 11:35	Plenary Lecture 3 Assoc. Prof. Dr. Low Seow Chay, Nanyang Technological University, Singapore “Clean Energy Technology and Policy in Singapore”	
11:35 – 13:00	Lunch	
13:00 – 14:30	New Energy Technology Session 1 (Solar Energy and Materials) Chairman: Prof. Somchai Hiranvarodom, RMUTT International Exchange Hall	New Energy Technology Session 2 (LCA Session) Chairman: Prof. Tetsuo Tezuka Meeting Room
13:00 – 13:15	Development of Nanomaterial-based Third Generation Solar Cells Prof. Soonil Lee, Ajou University, Korea	Energy Management (Tentative) Prof. Lei Ming, Peking University, China
13:15 – 13:30	COE on the Development of Next Generation Solar Cells: Multi spectrum solar cell Prof. Kamarulazizi Ibrahim, USM, Malaysia	Assessment of Biomass Potential for Energy Utilization in Camoboda, Dr. Sok Kunthy, RUA, Cambodia
13:30 – 13:45	COE on the Development of Dye-Sensitized Solar Cells Dr. Panya Sunintaboon, Mahidol University, Thailand	Assessment of Renewable Energy Potential in Vietnam, Prof. Luu Duc Hai, HUS-VNU, Vietnam
13:45 – 14:00	Cheap solar heat pipe used to operate absorption chiller in terms of rational use of energy. Prof. Le Chi Hiep, Vietnam National University, HCM, Vietnam	Assessment of Renewable Energy Potential in Lao Mr. Khoun SACKBOUAVONG, NUL, Laos
14:00 – 14:15	COE on Space Solar Power Station/Satellite and Microwave Power Transmission Assoc. Prof. Naoki Shinohara, RISH, Kyoto University, Japan	Energy Conservation Assoc. Prof. Tan Kha Sheng, Universiti Brunei Darussalam, Brunei Darussalam
14:15 – 14:30	New Functional Materials for Highly Efficient Energy Systems (Tentative) Prof. Atsuhito Sawabe, Aoyama Gakuin University, Japan	Energy System Assessment Prof. Tetsuo Tezuka, Kyoto University, Japan
14:45 -	New Energy Technology Session 3 (Bio-Energy and Materials) Chairman: Prof. Junichi Azuma, Kyoto University International Exchange Hall	New Energy Technology Session 4 (Power System) Chairman: Assoc. Prof. Yasuyuki Shirai, Kyoto University Meeting room
14:45 – 15:00	Production of Biofuels using Fungal and Microwave-assisted Organochemical Pretreatments Prof. Takashi Watanabe, RISH, Kyoto University, Japan	Distribution Network with Distributed Generators and Power System Stability Assoc. Prof. Yasuyuki Shirai, Kyoto University, Japan
15:00 – 15:15	“Biogas Utilization and Prospectus as Renewable Energy Assoc. Prof. V. K. Vijay, IIT-D, India	A Comparison of High and Low Speed Wind Machine Dr. Wirachai Roynarin, Rajamangala University of Technology Thanyaburi (RMUTT), Thailand

15:15 – 15:30	Development and Combustion Properties of Biobriquette Dr. Harwin Saptodadi, Universitas Gadjah Mada, Indonesia	Design of a Program for Photovoltaic Grid-Connected System in Resource Center Building Dr. Surasit Saenthon and Somchai Hiranvarodom, Rajamangala University of Technology Thanyaburi, Thailand
15:30 – 15:45	A Research for Biofuel Crop: Physic nut (Jatropha curcas L.) I. Dr. Surachai Muchjajib, RMUTSB	Performance and Characteristic of suitable PV Battery for sustainable PV system Boonyang Plangklang, Somchai Hiranvarodom, Paisan Boonchiam, Rajamangala University of Technology Thanyaburi (RMUTT), Thailand
15:45 – 16:00	Development of Clean Fuel from Biomass Dr. Rizalinda L. De Leon, UP Prof. Greg Tangonan, Ateneo de Manila Prof. Alvin B. Culaba, De La Salle University, Phillipines	Core Cooperative Program on New Energy for Sustainable Environment: - University of Malaya Prof. Nasrudin Abd Rahim, University of Malaya, Malaysia
Break		
16:00 -	New Energy Technology Session 5 (Hydrogen Energy and Materials) Chairman: Prof. Wan Ramli Wan Daud, UKM International Exchange Hall	Eco-Material Session Chairman: Assoc. Prof. Sommai Pivsa-Art RMUTT Meeting Room
16:00 – 16:15	Ionic Liquid Fluorohydrogenates and Their Applications to a Fuel Cell Operating at Middle ranged Temperatures without Humidification Prof. Rika Hagiwara, Kyoto University, Japan	Pyrolysis of Polyethylene (PE) and Polypropylene (PP) Plastic Wastes Assoc. Prof. Sommai Pivsa-Art, Rajamangala University of Technology Thanyaburi (RMUTT), Thailand
16:15 – 16:30	Development of Biofuel Cells Prof. Wan Ramli Wan Daud, Fuel Cell Institute, UKM, Malaysia	Development of One-dimensional Nanostructured TiO ₂ Prepared by Hydrothermal Method for Energy Applications (RMUTT & Kyoto University Cooperative Works) Dr. Sorapong Pavasupree, Rajamangala University of Technology Thanyaburi, Thailand
16:30 – 16:45	Development of PEM Fuel Cell Prof. Pornpote Piumsomboon, Chulalongkorn University, Thailand	Morphology and Thermal Properties Relationship of Post-consumer PET/PP Blends Dr. Warunee Klinklai ^{1*} , Rajamangala University of Technology Thanyaburi
16:45 – 17:00	Cathodes Electrocatalysts Development for PEMFC Prof. Rinaldy Dalimi, University of Indonesia, Indonesia	High Efficient Dye-sensitized Solar Cells Using TiO ₂ Nanoparticles/Nanofibers as Photoelectrode Surawut Chuangchote, Takashi Sagawa, Susumu Yoshikawa*, Kyoto University, Japan
17:15 – 17:30	Research Programs in Institute of Ocean Energy, Saga University Assoc. Prof. Yasuyuki Ikegami, Technology for Utilization of Ocean Energy, Saga University	Simulation of Monazite Pilot Plant Process Nattacha Phetyim ¹ and Tongchai Srinophakun ² Rajamangala University of Technology Thanyaburi (RMUTT), Thailand
17:30 – 17:45	Break	
17:45 – 18:30	Discussion International Exchange Hall Chairman: Prof. Susumu Yoshikawa Panelist: Assoc. Prof. Bundit Fungtammasan, Prof. Sudhart P. Hadi, Assoc. Prof. Sommai Pivsa-Art, RMUTT Prof. H. P. Garg, Prof. Yukitaka Kato, Assoc. Prof. Yasuyuki Ikegami, Dr. Masayuki Kamimoto, Prof. Shiro Saka	
19:00 – 20:30	Reception International Exchange Hall Remarks: Prof. Numyoot Songthanapitak, President of RMUTT Prof. Yoshikazu Nishikawa, Emeritus Professor, Kyoto University from Kyoto municipal government	

NEFSE Closed Meeting 26 May 2008 (Monday) Main Subject: Human Capacity Building and Collaboration among ASEAN COST +3 member countries toward New Energy Initiative International Exchange Hall	
	Opening Ceremony (Organizer, MEXT, ASEAN COST+3, Kyoto University) Chairperson Vice President Prof. Yokoyama
9:15-9:20	Opening Remark by Mr. Kimikazu Iwase, Deputy Director General, Science and Technology Policy Bureau, MEXT, Japan
9:20-9:25	Opening Remark by Dr. Graciano Perez Yumul, Undersecretary, Research and Development, Department of Science and Technology, Philippines (as a representative from ASEAN)
9:25-9:30	Opening Address by Dr. Hiroshi Matsumoto, Executive Vice-President of Kyoto University
9:30-9:40	Welcome Address by Mr. Kazutoshi AIKAWA, Director, Regional Policy Division, Asian and Oceanian Affairs Bureau, Ministry of Foreign Affairs "ASEAN +3 Cooperation/Japan's Initiatives"
	Session 1: The Status of Energy in ASEAN+3 and The Objective of the Meeting Chairpersons Prof. Yoshikawa
9:40-10:50	Country Report (7 countries) <Brunei Darussalam><Cambodia><Indonesia> <Lao PDR> <Malaysia> <Myanmar> <Philippines>
10:50-11 : 00	Break
11:00-12:00	Country Report (6 countries) <Singapore><Thailand><Vietnam><China> <Korea> <Japan>
12 : 00-12:10	Discussion on Meeting Expectation
12:10-12:25	Photo Session
12:25-13:20	Lunch
	Session 2: Introduction of Activity in Kyoto University for Sustainable Energy and Environment Chairperson Prof. Kawai
13:20-13:25	Welcome Message by Prof. Kazuo Oike, President of Kyoto University Introduced by Dr. Matsumoto, Executive Vice President of Kyoto University
13:25-13:35	Introduction to the Graduate School of Energy Science Prof. Takeshi Yao, Dean of Graduate School of Energy Science
13:35-13:55	Introduction to the activity of SEE Forum Prof. Susumu Yoshikawa, Chair of SEE Forum, Kyoto University
13:55-14:10	Introduction of G-COE Program: In search of Sustainable Humansphere in Asia and Africa Prof. Kaoru Sugihara, Leader of G-COE Program, CSEAS, Kyoto University
14:10-14:25	Research Activities on Global Environmental Studies in Kyoto University Prof. Masashi Kamon, Dean of Graduate School of Global Environmental Studies, Kyoto University
	Session 3: Collaboration in the field of research program Chairperson Prof. Yoshikawa
14:25- 15:10	Leading off by Dr. Seeram Ramakrishna, "A collaboration on the clean energy research"
15:10-15:30	Break
	Session 4: Collaboration in the field of education program Chairperson Prof. Yoshikawa
15:30 - 17:15	Leading off by Prof. Piniti, "On Asian University Network"
17:15-17:30	Overall Discussion "New framework of NEFSE under ASEAN COST+3 for development of human resources"
17:30-18:00	Concluding
19:00	Reception

27 May 2008 (Tuesday)	<p style="text-align: center;">NEFSE Open Symposium Main subject: Toward the Sustainable Low Carbon Society Centennial Hall</p>
9:15 – 10:20	<p style="text-align: center;">Opening Session Chair: Prof. Takeshi Yao (Dean, Graduate School of Energy Science, Kyoto University) Co-Chair: Assoc. Prof. Pinit Ratananukle (AUN Executive Director)</p>
9:15 – 9:20	<p style="text-align: center;">Opening Remark Prof. Toshio Yokoyama, Vice-President of Kyoto University</p>
9:20 – 9:25	<p style="text-align: center;">Opening Remark Ms. Ayako Maesawa, Head, Asian Program Division, International Program Department, JSPS</p>
9:25 - 9:40	<p style="text-align: center;">Keynote Speech 1 Mr. Yoshiaki Kuroda, Deputy Director, New and Renewable Energy Division, Energy Conservation and Renewable Energy Department, Agency for Natural Resources and Energy, METI “New Energy Policy in Japan (tentative)”</p>
9:40– 10:05	<p style="text-align: center;">Keynote Speech 2 Professor Kazuo Matsushita (Kyoto University/KSI) “Climate Security and Issues for Post Kyoto Protocol (tentative)”</p>
10:05 – 10:30	<p style="text-align: center;">Keynote Speech 3 Professor Kamaruddin Abdullah (Bogor Agricultural University, Indonesia) “Prospects of Biomass and Bioenergy for Sustainability in Asian Countries”</p>
10:30 – 12:35	<p style="text-align: center;">Technical Session 1 Sustainable Utilization of Biomass and its Energy Chair: Professor Shiro Saka Co-chair: Prof. Kamaruddin Abdullah</p>
10:30 – 10:55	<p style="text-align: center;">Speaker 1 Prof. Hasnam (Indonesia Center for Estate Crops Research and Development, Indonesia) Sustainable Plantation of Jatropha in Indonesia</p>
10:55 – 11:20	<p style="text-align: center;">Speaker 2 Assoc. Prof. Somkiat Ngamprasertsith (Chulalongkorn University, Thailand) Sustainable Biodiesel and Bioethanol Production in Asia</p>
11:20 – 11:45	<p style="text-align: center;">Speaker 3 Prof. Hyeun-Jong Bae (Chonnam National University, Korea) Bioenergy Applications for its Sustainable Utilization in East Asia</p>
11:45 – 12:10	<p style="text-align: center;">Speaker 4 Prof. Wan Rosli Wan Daud (University Sains Malaya, Malaysia) “Sustainable Utilization of Oil Palm Wastes”</p>
12:10 – 12:35	<p style="text-align: center;">Speaker 5 Prof. Shiro Saka (Kyoto University, Japan) Recent Progress of Biofuel in Japan for Sustainable Utilization</p>
12:35 – 13:30	<p style="text-align: center;">Lunch</p>
13:30 – 15:35	<p style="text-align: center;">Technical Session 2 Sustainable Energy Strategies for Low Carbon Society Chair: Prof. Seiji Ikkatai Co-Chair: Assoc. Prof. Bundit Funghthammasan (Director JGSEE)</p>
13:30 – 13:55	<p style="text-align: center;">Speaker 1 Dr. Shuzo Nishioka (National Institute of Environmental Studies, Japan) 70 % GHG reduction Scenario Toward 2050 (tentative) in Japan</p>
13:55 – 14:20	<p style="text-align: center;">Speaker 2 Prof. Seeram Ramakrishna (National University of Singapore) Perspective for Low Carbon Society by Using Clean Energy (Tentative)</p>
14:20 -14:45	<p style="text-align: center;">Speaker 3 Prof. Satoshi Konishi (Kyoto University) Perspective for Low Carbon Society by Using new Technology including the Nuclear</p>

	Fusion and SPS (Tentative)
14:45 – 15:10	<p>Speaker 4 Prof. Sivanappan Kumar (Asia Institute of Technology, Thailand) Activities for Climate Change mitigation and adaptation in Asia (tentative)</p>
15:10 – 15:30	Coffee Break
15:30 – 17:20	<p>Panel Discussion Toward the Sustainable Low Carbon Society Coordinator: Professor Kazuhiro Ueta (Kyoto University)</p> <p>Panelists: Assoc. Professor Bundit Funghammasan (Director JGSEE) Professor Dong Huang (Huazhong University of Science and Technology) Professor Satoshi Konishi (Kyoto University) Dr. Sivanappan Kumar (Asia Institute of Technology) Dr. Shuzo Nishioka (National Institute of Environmental Studies) Dr. Luong Hoang PHAM (Vice President, Hanoi University of Technology) Prof. Seeram Ramakrishna (National University of Singapore) Dr. Graciano Perez Yumul (Undersecretary, Research and Development, Department of Science and Technology)</p>
17:20 – 17:30	<p>Closing Session Closing Remarks Mr. Shinichi Akaike, Director for International Exchange Promotion, Science and Technology Policy Bureau, MEXT</p>