



NEFSE 暫定プログラム 詳細
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 II, III
 Kyoto, Japan**

NEFSE Pre-Symposium – Tentative 6th Eco-Energy and Materials Science and Engineering Symposium (EMSES) Main Subject: New Energy Technology International Exchange Hall III			
25 May 2008 (Sunday)			
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	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;"> New Energy Technology Session 1 (Solar Energy and Materials) Chairman: Prof. Somchai Hiranvarodom, RMUTT International Exchange Hall III </td> <td style="width: 50%; text-align: center;"> New Energy Technology Session 2 (LCA Session) Chairman: Prof. Tetsuo Tezuka Meeting Room II </td> </tr> </table>	New Energy Technology Session 1 (Solar Energy and Materials) Chairman: Prof. Somchai Hiranvarodom, RMUTT International Exchange Hall III	New Energy Technology Session 2 (LCA Session) Chairman: Prof. Tetsuo Tezuka Meeting Room II
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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 (<i>Jatropha curcas</i> 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 III	Eco-Material Session Chairman: Assoc. Prof. Sommai Pivsa-Art RMUTT Meeting Room II
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	Fabrication of Flower-like TiO ₂ Nanosheets by Hydrothermal Method Jaturong Jitputti ¹ , Kyoto University, Japan
16:30 – 16:45	Development of PEM Fuel Cell Prof. Pornpote Piumsombon, Chulalongkorn University, Thailand	Morphology and Thermal Properties Relationship of Post-consumer PET/PP Blends Dr. Warunee Klinklai ^{1*} , Rajamanagala University of Technology Thanyabur
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	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	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 III Chairman: Prof. Susumu Yoshikawa Panelist: Assoc. Prof. Bundit Fungtammanan Prof. Sudhart P. Hadi Assoc. Prof. Sommai Pivsa-Art, RMUTT Prof. H. P. Garg	
19:00 – 20:30	Reception International Exchange Hall I Remarks: Prof. Numyoot Songthanapitak, President of RMUTT Prof. Yoshikazu Nishikawa, Emeritus Professor, Kyoto University from Kyoto municipal government	



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NEFSE Closed Meeting (draft 7th version) – Tentative Main Subject: Human Capacity Building and Collaboration among ASEAN COST +3 member countries toward New Energy Initiative International Exchange Hall II, III	
26 May 2008 (Monday)	
9:15 – 9:30	Opening Ceremony (Organizer, MEXT, ASEAN COST+3, Kyoto University)
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 +3)
9:25-9:30	Opening Address by Prof. Hiroshi Matsumoto, Vice-President of Kyoto University
9:30-9:40	Welcome Address Mr. Kazutoshi AIKAWA, Director, Regional Policy Division, Asian and Oceanian Affairs Bureau, Ministry of Foreign Affairs “ASEAN +3 Cooperation/Japan’s Initiatives”
9:40-12:10	Session 1: The Status of Energy in ASEAN+3 and The Objective of the Meeting
9:40-10:50	Country Report (7 countries)
10:50-11 : 00	Break
11 : 00-12:00	Country Report (6 countries)
12 : 00-12:10	Discussion on Meeting Expectation
12:10-12:25	Photo Session
12:25-13:20	Lunch
13:20-14:15	Session 2: Introduction of Activity in Kyoto University for Sustainable Energy and Environment
13:20-13:25	Welcome Message by Prof. Kazuo Oike, President of Kyoto University
13:25-13:30	Introduction of the Educational Program in Graduate School of Energy Science (Tentative) Prof. Takeshi Yao, Dean of Graduate School of Energy Science, Kyoto University
13:30-13:45	Introduction of the activity of SEE Forum Prof. Susumu Yoshikawa, Chair of SEE Forum, Kyoto University
13:45-14:00	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
14:00-14:15	Research Activities on Global Environmental Studies in Kyoto University Prof. Masashi Kamon, Dean of Graduate School of Global Environmental Studies, Kyoto University
14:15-15:10	Session 3: Collaboration in the field of research program
15:10-15:30	Break
15:30 – 17:15	Session 4: Collaboration in the field of education program
17:15-17:30	Discussion New framework of NEFSE under ASEAN COST+3 For development of human resources
17:30-18:00	Proposition of Consortium



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19:00	Reception
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27 May 2008 (Tuesday)	NEFSE Open Symposium (draft 10th version) – Tentative Main subject: Toward the Sustainable Low Carbon Society Centennial Hall
9:15 – 10:20	Opening Session Chair: Prof. Takeshi Yao (Dean, Graduate School of Energy Science, Kyoto University) Co-Chair: Assoc. Prof. Pinit Ratananukle (AUN Executive Director)
9:15 – 9:20	Opening Remark Prof. Toshio Yokoyama, Vice-President of Kyoto University
9:20 – 9:25	Opening Remark Ms. Ayako Maesawa, Head, Asian Program Division, International Program Department, JSPS
9:25 – 9:40	Keynote Speech 1 Mr. Yoshiaki Kuroda, Deputy Director, New and Renewable Energy Division, Energy Conservation and Renewable Energy Department, Agency for Natural Resources “New Energy Policy in Japan (tentative)”
9:40 – 10:05	Keynote Speech 2 Professor Kazuo Matsushita (Kyoto University/KSI) “Climate Security and Issues for Post Kyoto Protocol (tentative)”
10:05 – 10:30	Keynote Speech 3 Professor Kamaruddin Abdullah (Bogor Agricultural University, Indonesia) “Prospects of Biomass and Bioenergy for Sustainability in Asian Countries”
10:30 – 12:35	Technical Session 1 Sustainable Utilization of Biomass and its Energy Chair: Professor Shiro Saka Co-chair: Prof. Kamaruddin Abdullah
10:30 – 10:55	Speaker 1 Prof. Hasnam (Indonesia Center for Estate Crops Research and Development, Indonesia) Sustainable Plantation of Jatropha in Indonesia
10:55 – 11:20	Speaker 2 Assoc. Prof. Somkiat Ngamprasertsith (Chulalongkorn University, Thailand) Sustainable Biodiesel and Bioethanol Production in Asia
11:20 – 11:45	Speaker 3 Prof. Hyeun-Jong Bae (Chonnam National University, Korea) Bioenergy Applications for its Sustainable Utilization in East Asia
11:45 – 12:10	Speaker 4 Prof. Wan Rosli Wan Daud (University Sains Malaya, Malaysia) “Sustainable Utilization of Oil Palm Wastes”
12:10 – 12:35	Speaker 5 Prof. Shiro Saka (Kyoto University, Japan) Recent Progress of Biofuel in Japan for Sustainable Utilization
12:35 – 13:30	Lunch
13:30 – 15:35	Technical Session 2 Sustainable Energy Strategies for Low Carbon Society Chair: Prof. Seiji Ikkatai Co-Chair: Assoc. Prof. Bundit Funghammasan (Director JGSEE)



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13:30 – 13:55	<p>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>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>Speaker 3 Prof. Satoshi Konishi (Kyoto University) Perspective for Low Carbon Society by Using new Technology including the Nuclear Fusion and SPS (Tentative)</p>
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 -15:35	<p>Speaker 5 *****</p>
15:35 – 15:50	<p>Coffee Break</p>
15:50 – 17:20	<p>Panel Discussion Toward the Sustainable Low Carbon Society Coordinator: Professor Kazuhiro Ueta (Kyoto University)</p> <p>Panelists: ASEAN COST+3 Dr. Sivanappan Kumar (Asia Institute of Technology, Thailand) Dr. Shuzo Nishioka (National Institute of Environmental Studies, Japan) Professor Satoshi Konishi (Kyoto University)</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>