

## ZERO CARBON ENERGY Kyoto 2009

Date: 20 – 21 August, 2009

Venue: Clock Tower Centennial Hall, Kyoto University

20 <sup>th</sup> August (Day first)	
10: 00 – 10:30	<b>Registration</b>
10:20 – 10:30	<b>Opening ceremony of the summer school “ISSES-YGN” (Centennial Hall)</b>
10:30 – 11:00	<b>Opening Address (Centennial Hall)</b> Dr. Hiroshi Matsumoto (President, Kyoto University) Message from Mr. Akio Fujiwara (Director, University Promotion Division, Higher Education Bureau, MEXT) Dr. Yoshikazu Nishikawa (Emeritus Professor, Kyoto University)
11:00 -11:20	<b>Plenary Session (GCOE)</b> Prof. Dr. Takeshi Yao (Leader of GCOE/Dean of Graduate School of Energy Science) <i>Global COE Program "Energy Science in the Age of Global Warming - Toward CO2 Zero-emission Energy System -"</i>
11: 20 – 12:00	<b>Plenary Session (Socio-Economic)</b> Mrs. Ulla Sirkeinen (Expert of transport, energy and networks/Member of European Economic and Social Committee, ) <i>Sustainable Production and Consumption from the Point of Energy Use</i>
12:00 – 12:15	<b>Photo Session</b>
12:15 – 13:30	<b>Lunch</b> (13:00 – 13:30: Poster Session: International Exchange Hall 3)
13:30 – 14:10	<b>Plenary Session (Solar Energy)</b> Prof. Richard Cogdell (Director, Glasgow Biomedical Research Centre, Institute of Biomedical & Life Sciences, University of Glasgow, UK) <i>What can we learn from photosynthesis about how to convert solar energy into fuels?</i>
14:10 – 14:50	<b>Plenary Session (Biomass Energy)</b> Dr. Unggul Priyanto, (Director of Energy Resources Development Technology, Agency of Application and Assessment Technology, Indonesia) <i>Development and Prospects of Biofuel in Indonesia and other Eastern Asian Countries</i>
14:50 – 15:05	<b>Coffee Break</b>
15:05 - 15:45	<b>Plenary Session (Nuclear)</b> Prof. Dr. Masahiro Kawaji (Associate Director, Energy Institute Mechanical Engineering Department, City College of New York, USA) <i>Renaissance of Nuclear Energy in the US: Opportunities, Challenges and Future Research Needs</i>
15:45 – 16:25	<b>Plenary Session (Scenario)</b> Prof. Zhiwei ZHOU (Deputy director, Institute of Nuclear and New Energy Technology, Tsinghua University, Beijing, China) <i>The Role and Technology Options of Nuclear Energy to Optimize China's Future Energy Mix</i>
16: 25- 17:30	<b>Poster Session (International Exchange Hall 3)</b>
18:00 – 20:00	Reception Dinner

**21<sup>st</sup> August (Day second) - Tentative**

09:00 – 10:00	Registration			
	<p><b>Scenario/ Socio-Economics Session (Meeting Room 4)</b></p> <p><b>Invited Speaker:</b> Mr. Shinichi Ichikawa (Chief Market Strategist of Credit Suisse Securities (Japan), Limited/ Chartered Member of Analyst Association, Japan)</p> <p>Prof. Rinaldy Dalimi (Member of the National Energy Council, Indonesia)</p> <p>Prof. Soonil Lee (Division of Energy System Research, Graduate School, Ajou University, Korea)</p> <p>Prof. Suduk Kim (Graduate School, Ajou University, Korea)</p>	<p><b>Solar Energy Session (International Exchange hall 1)</b></p> <p><b>Invited Speaker:</b> Prof. Minoru Taya (Director, Boeing Pennell Professor of Engineering Center for Intelligent Materials and Systems, University of Washington, USA)</p>	<p><b>Bio-energy session (International Exchange hall 2)</b></p> <p><b>Invited Speaker:</b> Prof. Luis F. Razon (Department of Chemical Engineering, De La Salle University, the Philippines)</p> <p>Prof. Masato Kouzu (Research Center of Fine Particle Science and Technology, Doshisha University, Japan)</p>	<p><b>Advanced nuclear energy session (International Exchange hall 3)</b></p> <p><b>Invited Speaker:</b></p> <p>Mr. Masakazu Murakami (Director, Office of Strategy Research, Policy Planning and Administration Department, Japan Atomic Energy Agency, Japan)</p> <p>Mr. Alexander Stanculescu (International Atomic Energy Agency, Nuclear Power Division Nuclear Power Technology Development Section)</p> <p>Dr. Kenji Nishihara (Engineering Researcher, Japan Atomic Energy Agency, Japan)</p>
10:00 – 16:00				

1. International Workshop on “Symbiosis of Science & Technology with Human, Society & Environment” (IWS-SYMBIO) will be organized by Grant-in-Aid Creative Scientific Research Project on “Design Theory for Dynamical Systems with Semiosis” (Leader: Prof. Tetsuo Sawaragi, Kyoto University) and Symbio Community Forum. **The IWS-SYMBIO will take place on August 21 at Clock Tower Centennial Hall,**

2. International Summer School on Energy Science for Young Generations (ISSES–YGN) will be organized by GCOE Education Unit during 20 – 22 August. **The poster session will be arranged on 20 August at International Exchange hall 3, and the parallel oral sessions of Category A (Social and Environmental issue related with Energy Usage) and Category B (Fundamentals & Applications of Energy Generation, Conversion & Utilization) will be organized for young researchers on 22 August, at Kyodai Kaikan.**