

Symbio International Workshop 2011

Organized by : Symbio Community Forum, Kyoto, Japan

In cooperation with : Research Division of Human Machine System Atomic Energy Society Japan and Global Center of Excellence of Energy Science Kyoto University

Date: August 30, 2011, 9:30 – 17:10

Place: Kyoto University Clock Tower Hall, Kyoto, Japan

Program :

Opening Address (9:30 -9:40)

Prof. Hidekazu Yoshikawa, President, Symbio Community Forum

— PART A —

MFM application studies for NPP (9:40-12:00)

Chairs:Prof. Akio Gofuku(okayama U.) and Dr. Takashi Nagamatsu (Kobe U.)

No	Title	Speaker	Affiliation
1	Multilevel Flow Modeling of Monju Nuclear Power Plant	Morten Lind	Danish University of Technology
2	Reliability Analysis based on Multilevel Flow Models	Ming Yang	Harbin Engineering University
3	Applications of MFM to Operator Support Information Generation	Akio Gofuku	Okayama University
4	Concept Formation of Risk Monitoring Method by MFM for Fast Reactor Monju	Hidekazu Yoshikawa	Symbio Community Forum / Harbin Engineering University

Lunch break (12:00- 13:00)

— PART B —

Frontier studies for symbiotic energy systems (13:00-15:30)

Chairs: Prof. Tetsuo Tezuka (Kyoto U.) and Prof. Hiroshi Shimoda (Kyoto U.)

No	Title	Speaker	Affiliation
1	Symbiotic concept for effective utilization of rare earth and thorium resources	Takashi Kamei	Ritsumeikan University
2	Scenario Analysis of Smart Electricity Systems in Japan in 2030 in Light of Fukushima Accident	Qi Zhang	Kyoto University
3	A radiation learning support system by tri-sensory augmented reality using a mobile phone	Hiroshi Shimoda	Kyoto University
4	Small PWR core design improvement with coated particle based fuel with a novel composition	Xinrong Cao	Harbin Engineering University
5	ASEAN power generation mixture: an economic approach	Nuki Agya Utama	Kyoto University

Coffee break (15:30-16:00)

—PART C—

Discussion by all members

Lessons from Fukushima Daiichi Accident:

What should be electricity supply and usage in future

Coordinators: Prof. Toshio Sugiman

(16:00-17:00)

Closing Address (17:00-17:10)

Prof. Toshio Sugiman (Kyoto University)

Messages to the speakers, co-chairs and coordinators

1. Total time for each speaker is 30 minutes including presentation and Q&A
2. (1)One page abstract of your presentation which describes the title of your presentation, your name and affiliation, 400 words abstract and short resume of your CV as well as (2)PPT file to be used for presentation at the workshop should be sent to workshop secretary by e-mail attachment until **August 26, 2011 at the latest.**
3. Each speaker is asked to submit his/her paper which corresponds to your presentation at this workshop to the International Journal of Nuclear Safety and Simulation (IJNS) as a research paper, research review, technical report, or short note. **However, this is not compulsory.** If you submit your paper **before August 20, 2011**, it will be in time for publishing IJNS Vol. 2, No.3, September 2011. If you already submitted your paper to ICI2011 with similar content, you can direct your ICI2011 manuscript to IJNS. For submitting your paper to IJNS, please visit IJNS website (www.ijnsweb.com). For submission details, please consult Authors' Corner for Submitting Papers
4. Discussion by all members in Part C will be ca. 1 hours or so with participation of all presenters and floors. The coordinator of this Group Discussion, Prof. Sugiman, is asked to consider how the group discussion will be run beforehand.
5. The organizers of this workshop are thinking of publishing a News Letter Vol. 2011 of Symbio Community Forum by editing the presented contents of whole workshop. The newsletter is published in Japanese with utilizing photos, figures and tables presented at the workshop. The newsletter will be distributed to the citizen and schools for social enlightening the issues on energy and environment in future. The organizers hope the kind understanding and cooperation of the speakers and co-chairs.

Workshop organizers : Hidekazu Yoshikawa and Tamiya Yoshida

Workshop secretary : Kazue Uchida

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