

Malaysia-Japan Joint Symposium on Biomass, Bioenergy and Water Environment for Development of Sustainable Society

Malaysia-Japan International Institute of Technology, Universiti
Teknologi Malaysia, Kuala Lumpur, Malaysia October 30-31, 2014

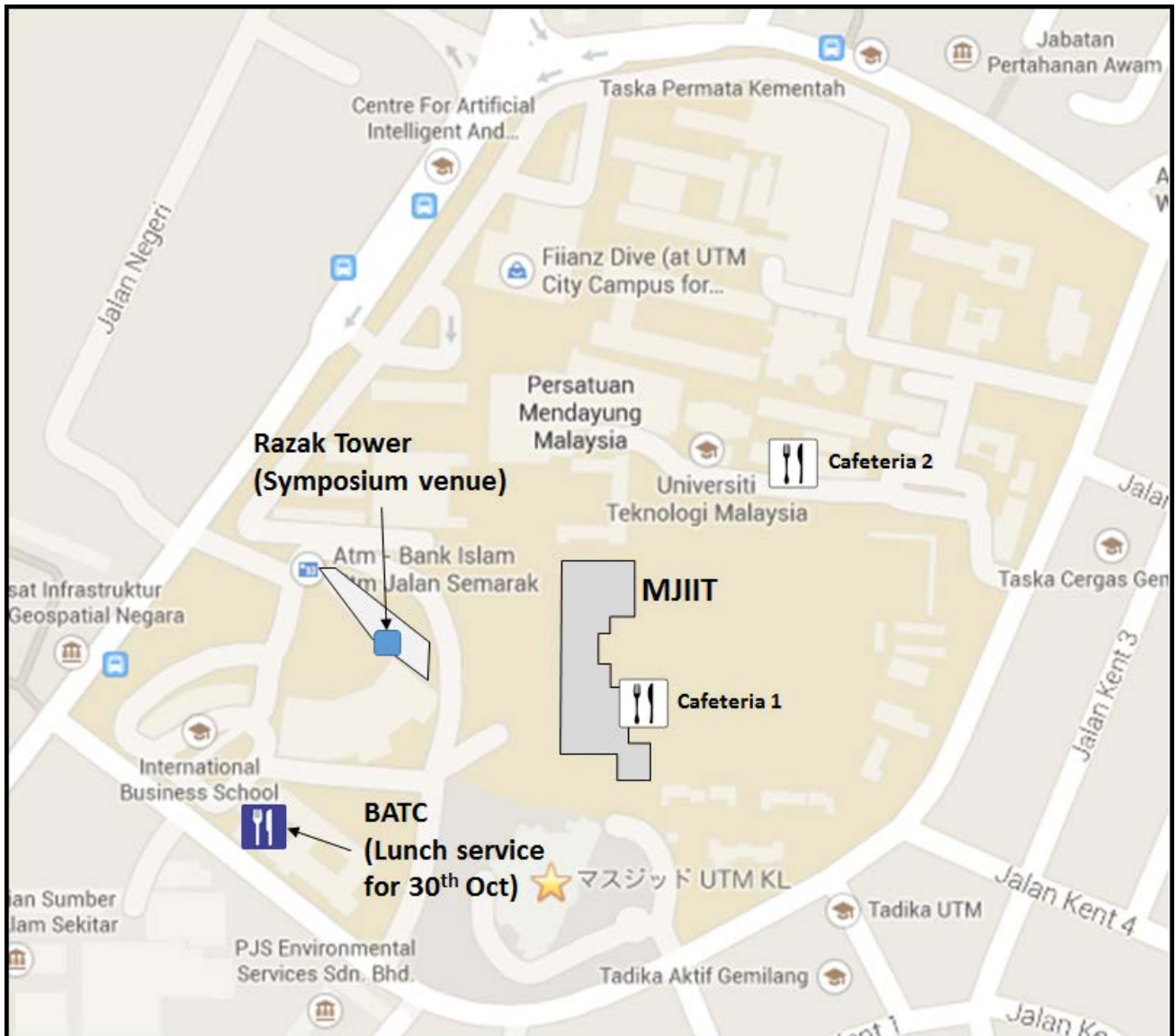


Malaysia-Japan Joint Symposium
on
Biomass, Bioenergy and Water Environment
for Development of Sustainable Society

Malaysia-Japan International Institute of Technology
Universiti Teknologi Malaysia
Kuala Lumpur, Malaysia
October 30-31, 2014

School of Life and Environmental Sciences, University of Tsukuba
Department of Environmental Engineering and Green Technology,
MJIT UTM

Venue and Floor Map



- ✓ Symposium: Seminar Hall in "Razak Tower" (1st floor)
- ✓ Coffee break: Bilik Ilmuan 3 of "Razak Tower" (2nd floor)
- ✓ Lunch for 30th: BATIC
- ✓ Refreshment: Bilik Ilmuan 3 of "Razak Tower" (2nd floor)
- ✓ Round table: Lecture room 3 in "Razak Tower"

Time Table

30th October (symposium (1st day))

- 09:00-09:05 greeting (Prof. Datin Dr. Rubiyah Yusof, Dean of MJIIT)
- 09:05-09:15 opening remarks (Dr. Shiraiwa)
- 09:15-09:45 special lecture (Prof Ir. Megat Johari)
- 09:45-10:15 special lecture (Prof. Datin Dr. Zuriati)
- 10:15-10:45 break time

(Section 1: Biomass Energy for Environment)

- 10:45-12:15 presentations (#1-6)
- 12:15-13:00 lunch
- 13:00-13:30 special lecture (Prof. Makishima)
- 13:30-14:00 special lecture (Prof. Watanabe)
- 14:00-14:45 presentation (#7-9)
- 14:45-15:15 break time

(Section 2: Water Environment and Waste Management)

- 15:15-15:45 special lecture (Prof. Sugiura)
- 15:45-17:15 presentations
- 17:15-18:15 refreshment

31st October (symposium (2nd day))

(Section 3: Social Problems, Sustainable)

- 09:00-10:15 presentations
- 10:15-10:20 closing remark (Prof. Yamamoto, Vice Dean (L&I) of MJIIT)
- 10:20-11:00 refreshment

(Roundtable)

- 11:00-12:00 roundtable

Programs

Special Lecture

30th October 9:15-9:45

❁ **“Ecotechment” in Water and Environment**

Megat Johari Megat Mohd Noor Malaysia Japan International Institute of Technology

30th October 10:00-10:30

❁ **Assessing the ecological risk of polycyclic aromatic hydrocarbons in sediments of fish farms around Langkawi Island, Malaysia**

Zuriati Zakaria Malaysia Japan International Institute of Technology

30th October 13:00-13:30

❁ **Energy, Green Technology and Some Related Materials: Nanohybrid Materials and Diatomite**

Akio Makishima Japan Advanced Institute of Science and Technology

30th October 13:30-14:00

❁ **Hydrocarbons from Microalgae**

Makoto Watanabe University of Tsukuba

30th October 15:15-15:30

❁ **Development of Water Supply Process with Management and Hazardous Microorganism in Japan**

Norio Sugiura Malaysia Japan International Institute of Technology

Regular Session

Section 1: Biomass Energy for Environment

1 **Combination of Heterotrophic and Autotrophic Alga for Treatment of Wastewater and Production of Biomass in Sendai**

Iwane Suzuki

University of Tsukuba

2 **Analysis of Biosynthetic Pathway of C₃₇-alkenes with *trans*-type Carbon Double Bond in *Emiliana huxleyi* RCC1217 Strain**

Nozomi Ihara

University of Tsukuba

3 **Micro-Macro Algal Mixture as a Promising Agent for Treating POME Discharge and its Potential Use as Animal Feedstock Enhancer**

Mohd Fadhil bin Md Din

Universiti Teknologi Malaysia

4 **Biodiesel Production from Microalgae**

Hesam Kamyab

Universiti Teknologi Malaysia

- 5 **Study on Toxigenic Cyanobacteria of Aquaculture Ponds in Thailand**
Tomoaki Itayama Nagasaki University
- 6 **Mass Production of Algae from Aquaculture Waste in the Tropics**
Norio Nagao Universiti Putra Malaysia
- 7 **Microalgae Cultivation, Biodiesel Production, Its Potential and Challenges**
Ani binti Idris Universiti Teknologi Malaysia
- 8 **Elimination of Radionuclides Released from the Fukushima 1 Nuclear Power Plant by Microalgae**
Koji Iwamoto MJIIT
- 9 **Estimation of Nutrient Release from Aquaculture Ponds along Selangor River**
Nobuyuki Kawasaki Universiti Selangor

Section 2: Water Environment and Waste Management

- 1 **Development of Integrated Lake Management in Varsity Lake: ReViVaL (Revive Varsity Lake) Project**
Nobumitsu Sakai Universiti Malaya
- 2 **Genome Biotechnology for Actinomycetes: Primary and Secondary Metabolism**
Hirofumi Hara MJIIT
- 3 **Application of Mass Spectrometry with Ultra-high Resolution to Evaluate Constituent Molecules in Heavy Oils**
Mikio Miyake Japan Advanced Institute of Science and Technology
- 4 **Thermophilic Packed-Bed Anaerobic Digestion of Organic Waste**
Masafumi Goto MJIIT
- 5 **Microcystins Risk-forecast and Biological Microcystins Removal System**
Kazuya Shimizu Toyo University
- 6 **Electrolysis as Pre-treatment to Suppress Persistent Cyanobacteria from Water Reservoir**
Gurminder Sardool MJIIT

Section 3: Social Problems, Sustainable

- 1 **What Facilitates Pro-environmental Behavior? Findings on Subjective Well-being and Place Attachment**
Naoko Kaida University of Tsukuba
- 2 **The Food Waste Hierarchy: A Framework for Food Waste Minimization**
Effy Papargyropoulou MJIIT
- 3 **Stakeholder Engagement as a Means to Address Critical Environmental Problems: The Case of Tropical Peat Lands**
Rory Padfield MJIIT
- 4 **Overview of Biomass and Bioenergy Prospects from Palm Oil Residues**
Sune Ballen Hansen Universiti Teknologi Malaysia
- 5 **Rising Opportunities in Emerging Countries for Implementing New Technology Preceding Developed Countries**
Hiroyuki Ishizaki MJIIT