

The 2nd International Joint Meeting of
G**L**lobal E**n**vironment & E**n**ergy Course (GU-GLEE)

第2回 国際ジョイントミーティング

November 4-6, 2015

2015年11月4-6日

Faculty of Engineering, Gifu University

Promoting Interdisciplinary Research Collaboration



11月4日 水

工学部 第1会議室

参加自由

4

11月5日 木

じゅうろくプラザ

参加自由

5

P R O G R A M

Nov. 4 (Wed) Eng. Conf. Rm.1, Gifu University

11:00 – 12:00 Opening

13:30 – 18:00 Oral Presentations

18:00 – 20:00 Welcome Reception

Nov. 5 (Thu) Juroku Plaza, Gifu

10:00 – 18:00 Oral Presentations

18:00 – 20:00 Dinner

PARTICIPATING PARTNER UNIVERSITIES

1. Andalas University, Indonesia
2. Brawijaya University, Indonesia
3. Bung Hatta University, Indonesia

4. Bogor Agricultural University, Indonesia
5. Kyungpook National University, Republic of Korea
6. National University of Malaysia (UKM), Malaysia

7. Sir Parashurambhau College, India
8. University of Bengkulu, Indonesia

Organized by Faculty of Engineering, Gifu University

Co-sponsored by Gifu-daigaku Kougyoukurabu*

*Gifu-daigaku Kougyoukurabu: the alumni association of Faculty of Engineering, Gifu University

Welcome to the 2nd International Joint Meeting of GU-GLEE

We cordially welcome the delegates from eight participating universities to the 2nd International Joint Meeting of Global Environment and Energy Course hosted by the Graduate School of Engineering, Gifu University.

At Gifu University, the Global Environment and Energy Course (GU-GLEE) was established in April, 2015 to offer a course of study under the Environmental and Renewable Energy Systems Division in the Graduate School of Engineering. It provides research and educational opportunities to both international and Japanese students. All classes and research advice are conducted exclusively in English. The objective of this course is to produce next-generation leaders who can contribute to solving environmental and energy problems, promoting the innovation necessary to keep our society sustainable and resilient. Currently 5 international students from 3 countries and 3 Japanese students are enrolled in this course for a Master's degree and a certificate of course completion. The Globalization Promotion Office coordinates with faculty members and on-campus communities to promote globalization of classroom and laboratory environments through reciprocal partnerships with overseas universities as well as industries and institutions in Japan.

Finally, we would like to express our appreciation to the members of Globalization Promotion Office, particularly Ms. Kawase and Ms. Kuze for their assistance in organizing this exciting meeting.

Mutsuhiro SHIMA

Head

Lee Wah LIM

Vice Head

Globalization Promotion Office

Graduate School of Engineering

Gifu University, Gifu, Japan

November 4, 2015

**The 2nd International Joint Meeting of Global Environment & Energy
Course (GU-GLEE)**

“Promoting Interdisciplinary Research Collaboration”

Program at a glance

Date/Time	Program	Speaker	Venue
Nov 4 (Wed) Venue: Faculty of Engineering, Gifu University			
10:00	Reception begins		Conference Room 1
10:45	Group photo		
11:00-11:10	Opening remarks	Prof. K. Rokugo (Dean)	
	Welcome message	Prof. H. Moriwaki (President)	
11:10-11:30	Introduction of GPO and GU-GLEE	Prof. M. Shima (Head of GPO)	
11:30-12:00	Self-introduction of participants (ice-breaking session)		
12:00-13:30	Lunch reception (Opening speech by the Vice Dean, Prof. S. Nonomura)		
13:30-15:30	Oral presentation I	Prof. A. Yarmo	
		Dr. K. Kumabe	
		Dr. R. Othaman	
		Dr. M. Miyamoto	
		Dr. N. Zainal	
15:30-16:00	Coffee break		
16:00-17:00	Oral presentation II	Dr. O. Sawada	Conference Room 1
		Prof. Marjono Dr. S. Miyajima	
17:00-17:30	General discussion (Q&A)	Dr. L.W. Lim	
18:00-20:00	Welcome reception (Opening speech by the Vice Dean, Prof. S. Imao)		2nd Dining Hall
Nov 5 (Thu) Venue: Juroku Plaza, Gifu			
09:45-10:00	Reception		5F Meeting Room
10:00-10:10	Opening remarks	Prof. M. Koketsu (Vice Dean)	
10:10-11:30	Oral presentation III	Dr. R. Desmiarti	
		Dr. J. A. Fajri	
		Dr. D. R. Garud Dr. M. Ikeda	
12:00-13:30	Lunch break		Bambina Bambino

13:30-15:10	Oral presentation IV	Dr. A. Sabarudin Dr. A. Rahayu Dr. Z. Abidin Dr. T. Nitta Dr. M. I. Rusydi	5F Meeting Room
15:10-15:40	Coffee break		
15:40-17:00	Oral presentation V	Dr. Asdim Prof. M. Matsui Prof. S.-H. Kim Prof. T. Murai	5F Meeting Room
17:00-17:25	General discussion (Q&A) Announcement from Brawijaya University	Dr. L.W. Lim Prof. Marjono	
17:25-17:45	Closing ceremony	Prof. K. Rokugo	
18:00-20:00	Dinner (Opening speech by the Vice Dean, Prof. S. Nonomura)		Hinano
Nov 6 (Fri)			
9:00-17:00	Excursion (Water Eco Park, etc.)		
TBD	Laboratory visit (for those who are not joining the excursion)		

*Oral presentation time is 20 min.

Participating partner universities:

1. Andalas University, Indonesia
2. Brawijaya University, Indonesia
3. Bung Hatta University, Indonesia
4. Bogor Agricultural University, Indonesia
5. Kyungpook National University, Republic of Korea
6. National University of Malaysia (UKM), Malaysia
7. Sir Parashurambhau College, India
8. University of Bengkulu, Indonesia

**The 2nd International Joint Meeting of Global Environment & Energy
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“Promoting Interdisciplinary Research Collaboration”

Program

Wednesday, November 4, 2015

Faculty of Engineering, Gifu University

Moderator: Dr. Lee Wah Lim

Venue: Conference Room 1 (Level 2)

10:00 Reception begins

10:45 Group photo

11:00-11:10 Opening remarks

Dean of Faculty of Engineering, Prof. Keitetsu Rokugo

Welcome message

President of Gifu University, Prof. Hisataka Moriwaki

11:10-11:30 Introduction of GPO and GU-GLEE

Head of Globalization Promotion Office (GPO), Prof. Mutsuhiro Shima

11:30-12:00 Self-introduction of participants (ice-breaking session)

12:00-13:30 Lunch reception

Opening speech by the Vice Dean -Academic Globalization- of Faculty of Engineering, Prof. Shu-ichi Nonomura

(For all oral presenters, please kindly remain seated in the meeting room)

13:30-15:30 Oral presentation I

O-01 Development of Solid Acid Catalysts Based on Perchloric Acid for Estolide Synthesis from Oleic Acid

Prof. Mohd Ambar Yarmo

National University of Malaysia, Malaysia

O-02 Production of Alternative Liquid Fuels such as Aviation from Non-petroleum Resources

Dr. Kazuhiro Kumabe

Gifu University, Japan

- O-03 Modification of Nanocrystalline Cellulose (NCC) for CO₂ Adsorption**
Dr. Rizafizah Othaman
National University of Malaysia, Malaysia
- O-04 Highly Product Selective MFI Type Core-shell Zeolite Catalysts**
Dr. Manabu Miyamoto
Gifu University, Japan
- O-05 A New Specular Reflection Removal and Iris Segmentation Method**
Dr. Nasharuddin Zainal
National University of Malaysia, Malaysia
- O-06 New Fabrication Method Suggestion of the Motor Core using Ceramic Precursor**
Dr. Kyyoul Yun
Gifu University, Japan

15:30-16:00 Coffee break

16:00-17:00 Oral presentation II

- O-07 Recent Development of Mathematical Analysis on the Navier-Stokes**
Dr. Okihiro Sawada
Gifu University, Japan
- O-08 A Note on the Powers of Bazilevic Functions**
Prof. Marjono
Brawijaya University, Indonesia
- O-09 Veried Numerical Computation for Solutions of Delay Eigenvalue Problems with Multiple Eigenvalues**
Dr. Shinya Miyajima
Gifu University, Japan

17:00-17:30 General discussion (Q & A)
Vice Head of the Globalization Promotion Office, Dr. Lee Wah Lim

18:00-20:00 Welcome reception Venue: 2nd Dining Hall, Gifu University
(For all oral presenters, please kindly go to the 2nd Dining Hall, Gifu University)

Opening speech
Vice Dean -Assessment Affairs- of Faculty of Engineering, Prof. Shigeki Imao

Moderator: Dr. Lee Wah Lim

09:45-10:00 Reception

10:00-10:10 Opening remarks

Vice Dean -Academic Affairs- of the Faculty of Engineering, Prof. Mamoru Koketsu

10:10-11:30 Oral presentation III

O-10 Behavior of Microorganisms in Water using Radio Frequency Plasma System

Dr. Reni Desmiarti

Bung Hatta University, Indonesia

O-11 Evaluation of Water and Sediment Quality in Open Channels That Received Effluent from *Johkasou* Facilities

Dr. Joni Aldilla Fajri

River Basin Research Center, Gifu University, Japan

O-12 Iodocyclization Reaction of Allene-, Alkyne- and Ikeno-thioureas: An Efficient Approach to Bicyclic β -lactams

Dr. Dinesh Ramesh Garud

Sir Parashurambhau College, India

O-13 Chemically Reactive Supramolecular Nano- and Micro-Biomaterials

Dr. Masato Ikeda

Gifu University, Japan

12:00-13:30 Lunch break

Venue: Bambina Bambino Restaurant,
Gifu City Tower 43

(For all oral presenters, please kindly go to Bambina Bambino Restaurant, Gifu City Tower 43 Level 2)

13:30-15:10 Oral presentation IV

O-14 Organic Polymer Monoliths: Application to Separation, Catalyst Support, and Enrichment of Biomolecules

Dr. Akhmad Sabarudin

Brawijaya University, Indonesia

- O-15 Development of Sulfonate Monolithic Stationary Phases in Capillary Ion Chromatography**
Dr. Aster Rahayu
 Gifu University, Japan
- O-16 Nanoparticles in the Soil Environments: Designing a Big Future International Collaboration from Small Thing**
Dr. Zaenal Abidin
 Bogor Agricultural University, Indonesia
- O-17 Designing Microdevices Integrated with Biological Molecular Machines**
Dr. Takahiro Nitta
 Gifu University, Japan
- O-18 Study Backhand Serve in Badminton Based on the Euler Angle**
Dr. Muhammad Ilhamdi Rusydi
 Andalas University, Indonesia

15:10-15:40 Coffee break

15:40-17:00 Oral presentation V

- O-19 Green Synthesis of SnO₂ Nanoparticles by Hydrothermal Method and Their Application as Photoelectrodes in Dye-sensitized Solar Cells**
Dr. Asdim
 University of Bengkulu, Indonesia
- O-20 Liquid Dyes**
Prof. Masaki Matsui
 Gifu University, Japan
- O-21 Chemosensors for Biological Thiols**
Prof. Sung-Hoon Kim
 Kyungpook National University, Korea
- O-22 New Aspects of Selenocarbonyls: Preparation and Generation of Reactive Species**
Prof. Toshiaki Murai
 Gifu University, Japan

17:00-17:25 General discussion (Q&A)
Vice Head of the Globalization Promotion Office, Dr. Lee Wah Lim

Announcement from Brawijaya University
Dean of Faculty of Mathematic and Natural Science, Brawijaya University,
Prof. Marjono

