



INTERNATIONAL JOINT SYMPOSIUM ON HUMAN SECURITY ENGINEERING

Theme

Contribution of Geosciences for Human Security

Venue

Campus of Institut Teknologi Bandung (ITB),
Bandung - Indonesia

Date

October, 4 – 5, 2010

Organized by:

Institut Teknologi Bandung (ITB),
Kyoto University (KU),
and

Kyoto University Global COE

“Human Security Engineering for Asian Megacities”

With the support and collaboration of



Pertamina EP Technology Center (EPTC) - Indonesia
Pertamina Exploration & Production (PEP) - Indonesia
Pertamina Geothermal Energy (PGE) - Indonesia



National Institute of Advances Industrial
Science and Technology - Japan



Japan Petroleum
Exploration Co., Ltd



Research Institute of Innovative
Technology for the Earth - Japan



Fukuda Geological
Institute, Japan



Hirosaki University,
Japan



Tohoku University,
Japan



Sunco Consultant,
Japan

INTRODUCTION AND BACKGROUND

Fulfilling basic human needs and assuring the self-sustainable recovery from environmental pollution and disasters in Asian Megacities have been the major challenges for several decades, and the situation still needs more improvement. Against such a background, Kyoto University has launched a new Global Center of Excellence (GCOE) Program entitled “Global Center for Education and Research on Human Security Engineering for Asian Megacities” since 2008 fiscal year. The purpose of this GCOE program is to establish the discipline of “Urban Human Security Engineering” and to provide education for next-generation researchers and high-level practitioners for human security in Asia.

“Urban Human Security Engineering” is defined as a system of technologies (techniques) for designing and managing cities that enable their inhabitants to live under better public health conditions, and also live free from potential threats of large-scale disasters and environmental destruction. For establishing this discipline, four existing fields, i.e. urban governance, urban infrastructure management, health risk management, and disaster risk management, are integrated into one discipline.

One of the characteristics of this GCOE program is to implement area-specific research and education. The program set up 6 overseas bases and Institut Teknologi Bandung in Bandung is one of the overseas bases.

The symposium aims to deepen the understanding of urban human security engineering and develop its policy and implementation. In addition, the symposium will contribute to strengthen a broad range of human security network between Japan and Indonesia through the distinguished speakers who are invited.

OBJECTIVES

Key objective of the symposium is to initiate a published text book, which its title is “Contribution of Geosciences for Human security”. The speakers in this symposium are the main contributors of book sub-chapters. The book is divided into 4 sub-topics, namely:

1. Identification and Solving Problems Related to Urban Areas
2. Sustainable Petroleum Production and CCS (Carbon Capture and Storage)
3. Geothermal as Alternative Renewable Energy
4. Urban Disaster Prevention and Disaster Management.

Since many researchers from different institutions in Indonesia and Japan will gather in this symposium, it is hoped that additional benefits could be obtained, such as:

- To broad a network for human security between Indonesia and Japan.
- To promote interaction between researchers and practitioners from both countries.
- To share and spread the recent research achievements, and contribute those to the communities e.g. as a published text book.

WHO SHOULD ATTEND THE CONFERENCE?

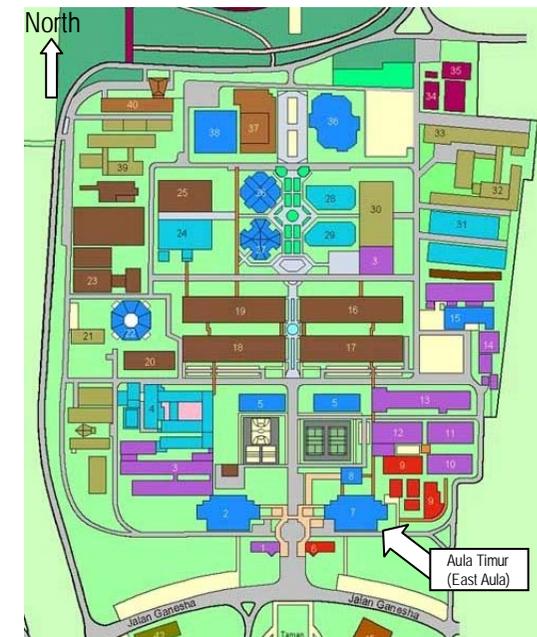
We are pleased to welcome all of researchers, practitioners, and students who are interested in Human Security Engineering.

LANGUAGE

The official language of the conference is English.

CONFERENCE VENUE

Aula Timur (East Aula), see map below



REGISTRATION

Please send your name and affiliation to the local secretariat of this symposium, by September 30th, 2010. All participants are free to attend the conference and limited only for 100 participants.

GENERAL SECRETARIAT CONTACT DETAILS

Dr. Mohammad Rachmat Sule, Kyoto University, Japan
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LOCAL SECRETARIAT CONTACT DETAILS

Dr. Susanti Alawiyah and Dr. Setianingsih, Institut Teknologi Bandung, Indonesia
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Phone: +62-22-250-9168
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CONFERENCE WEBSITE

<http://hse.gcoe.kyoto-u.ac.jp/en/events/post-111/>

Registration Form

Please fax this form to: +62-22-253-4137 (attn: Ms Wina Yuniar)

I would like to attend the ITB – KU Joint Symposium on “Contribution of Geosciences for Human Security”

Name: _____

Institution: _____

Address: _____

Telephone: _____ Fax: _____

Email: _____

Symposium's Program

1st day (October 4, 2010)

- 09:00 – 09:30 Registration
- 09:30 – 09:50 Opening ceremony, welcoming speech by the Rector of ITB
- 09:50 – 10:10 Keynote Address (1), Prof. Toshifumi Matsuoka (Kyoto Univ)
- 10:10 – 10:30 Keynote Address (2) Prof. Djoko Santoso (Director General of Higher Education, Republic of Indonesia)
- 10:30 – 10:45 Coffee Break
- 10:45 – 12:00 Session 1: Identification and Solving Problems Related to Urban Areas
Moderator: Dr. Susanti Alawiyah
Presenter:
Prof. Djoko Santoso (ITB)*
Prof. H. Z. Abidin (ITB)
Prof. Arwin Sabar (ITB)
Dr. Rachmat Sule (ITB)
Dr. Kei Oyoshi (Kyoto Univ.)*

- 12:00 – 13:00 Coffee Break
- 13:00 – 15:00 Session 2: Sustainable Petroleum Production and CCS (Carbon Capture and Storage)
Moderator: Dr. Setianingsih
Presenter:
Prof. Toshifumi Matsuoka (Kyoto Univ.)
Dr. Wawan Gunawan A. Kadir (ITB)
Dr. I Putu Suarsana (Pertamina EP)
Dr. Eko Widiyanto (Pertamina EPTC)
Leksono Mucharam, Ph.D. (ITB)
Takao Aizawa (Suncoch - Japan)
M. Yusup Nur Khakim (Kyoto Univ.)
Dr. Atsushi Kishita (Tohoku Univ.)*
From RITE – Japan*
From Japex – Japan*

- 15:00 – 15:15 Coffee Break

- 15:15 – 16:30 Session 3: Geothermal as Alternative Renewable Energy

Moderator:
Presenter:
Prof. T. A. Fauzi Soelaiman (ITB)
Tavip Dwikorianto (Pertamina GE)
Dr. Suryantini (ITB)
Dr. Akira Ueda (Kyoto Univ.)*
Dr. Toshihiro Uchida (AIST – Japan)*
Prof. Hirofumi Muraoka (Hirosaki Univ.)*
From Star Energy – Indonesia*

2nd day (October 5, 2010)

- 08:45 – 09:00 Registration
- 09:00 – 10:45 Session 4: Urban Disaster Prevention and Disaster Management
Moderator:
Presenter:
Prof. Masyhur Irsyam (ITB)
Prof. Junji Kiyono (Kyoto Univ.)*
Dr. Yasuhiro Yamada (Kyoto Univ.)
Dr. Khrisna Pribadi (ITB)
Dr. Toru Takahashi (FGI – Japan)
Dr. Imam Sadisun (ITB)
Prof. Sri Widiyantoro (ITB)
Dr. Takeshi Tsuji (Kyoto Univ.)*

- 10:45 – 11:00 Coffee Break
- 11:00 – 12:00 Session 5: Discussion about Publication of Text Book
Moderator: Dr. Rachmat Sule
- 12:00 – 12:15 Closing ceremony, speech by the ITB Vice President for Research and Innovation.

3rd day (October 6, 2010)

- 09:00 – 12:00 Excursion to Kamojang Geothermal Field.
- 12:00 – 13:00 Lunch
- 13:00 – 15:00 Excursion to Papandayan Volcano

*still in confirmation

IMPORTANT NOTES FOR SPEAKERS: The draft of book-chapter must be submitted to the committee at least on September 30th 2010.