



EXPLORING NEW PARADIGMS OF SOCIAL SAFETY AND HUMAN SECURITY

-Lessons learned from the 2011 Great East Japan Earthquake and Tsunami-

**Campus Plaza Kyoto, Kyoto, Japan
November 22, 2011**

Organized by

Kyoto University Global COE "Global Center for Education and Research on Human Security Engineering for Asian Megacities"

In collaboration with

**Disaster Prevention Research Institute,
Kyoto University**

BACKGROUND AND SCOPE

The Great East Japan Earthquake on March 11, 2011, which triggered Tsunami beyond expectation, brought about the tremendous impacts on our society. The total number of the dead and the missing persons was more than 20,000; in addition, the direct economic loss was estimated at more than 16 trillion Yen. The accident of the nuclear power plants also happened after the earthquake, which made the social effect more complex and widespread. It was critical that the forces of the earthquake and the tsunami were beyond the expected ones; consequently, the enormous amount of human loss occurred and the national and local infrastructures were destroyed. An unpresumed risk always lies in our society.

The purpose of the symposium is to explore new paradigms of social safety and security. It is important to learn lessons from the 2011 Great East Japan earthquake and Tsunami. In recent years, many Asian countries also experienced disastrous and unpresumed disasters, such as Indian ocean Tsunami, Typhoon Malacotto, etc.. Inviting Practitioners and researchers who experienced such disaster and worked for the recovery, we want share knowledge and lessons to

deal with the recovery process from such disastrous and unpresumed damages. It is beneficial to clear what we have learned from disasters and what we can do for future. The scope of this symposium includes:

- What are major lessons learned from the disaster and recovery to be shared among Asian Mega Cities?
- How the urban planning scheme changed from the devastative destruction?
- What are the roles of government, municipality, communities and citizens?
- How to confront with unpresumed risks as city managers?

Through this symposium, it is expected to contribute to the establishment of human security engineering and human security network among Asian megacities.

KEYNOTE SPEAKERS

The three speakers will make keynote speeches.

1. Mr. Shigeru Sugawara
(Mayor of Kesennuma City, Miyagi Prefecture, Japan)
2. Mr. Hanief Arie
(Deputy of Head, President's delivery Unit for Development Monitoring and Oversight (PDU), Indonesia)
3. Mr. Liang-Chun Chen
(Director, National Science and Technology Center for Disaster reduction (NCDR))

PARTICIPANT

This symposium is open for any participants from universities, research institutions, government institutions, practitioners, developer and for people who are concerned about this theme.

LANGUAGE

Presentations are basically made in Japanese. The translation into Japanese is conducted in case of foreign speakers.

CONFERENCE WEBSITE

<http://hse.gcoe.kyoto-u.ac.jp/11gcoe/hse/hp/index.html>

VENUE

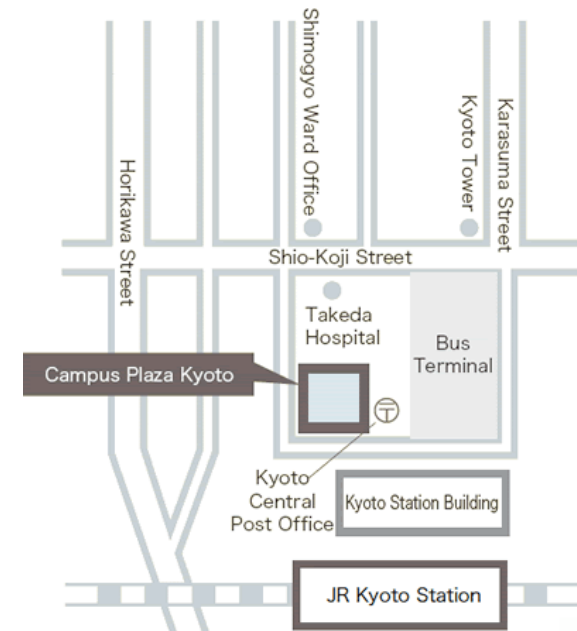
Campus Plaza Kyoto

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(* about 2 min. walk from JR Kyoto Sta. Across from Bic Camera)

HP: <http://www.consortium.or.jp/>



IMPORTANT DATES FOR PRESENTERS (in 2011)

14th October: Deadline for submission of your picture (3cm*4cm), short biography (60words), and the title of presentation

30th October: Deadline for submission of presentation abstracts (200words)

22nd November: Date of the symposium

*Abstracts should contain maximum 200 words, be written in English and in MS Word format (forma_en.doc). The abstracts should include title, author(s), affiliation, complete address, telephone number and e-mail address. Send your abstracts to "11gcoe/hse@gcoe.kyoto-u.ac.jp".

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Associate Prof. Nagahisa Hirayama (GCOE-HSE,
Kyoto University)

ORGANIZING BODY:

KYOTO UNIVERSITY was founded in 1897, the second university to be established in Japan. Known for its pioneering spirits and academic freedom, the university has produced many Nobel laureates and two Fields medalists.

GLOBAL COE(Centers of Excellence) Program, which has been carried out by Japan's Ministry of Education, Culture, Sports, Science and Technology (MEXT) , will provide funding support for establishing education and research centers that perform at the apex of global excellence to elevate the international competitiveness of the Japanese universities. The program will strengthen and enhance the education and research functions of graduate schools, to foster highly creative young researchers who will go on to become world leaders in their respective fields through experiencing

and practicing research of the highest world standard.

GENERAL SECRETARIAT CONTACT DETAILS:

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PROGRAM (November 22nd, 2011)

OPENING REMARKS (9:30-9:45)

Masayoshi Nakashima
(Director, Disaster Prevention Research Institute,
Kyoto University)
Yuzuru Matsuoka
(Leader of Global COE “Global Center for Education
and Research on Human Security Engineering for
Asian Megacities”, Professor, Kyoto University)

9:45-10:15

Invited Speech:

“Natural Disaster Risk Governance: Towards Social
Safety and Human Security”
Liang-Chun Chen, (Director, National Science and
Technology Center for Disaster reduction (NCDR))

10:15-10:30 Break

**PART I: LESSONS LEARNED FROM THE GREAT
EAST JAPAN EARTHQUAKE**

(10:30 – 12:00, in Japanese)

10:30-12:00

1. Assoc. Prof. Yoshikazu Takahashi
(DPRI, Kyoto University)

“Ground Motion of the Great East Japan Earthquake
and Damage of Transportation Structures”

2. Assoc. Prof. Nozomu Yoneyama
(DPRI, Kyoto University)

“Tsunami inundation disaster prediction method based
on the lessons from the Great East Japan Earthquake”

3. Prof. Katsuya Yamori
(DPRI, Kyoto University)

“Tsunami Warning and Evacuation Behavior in the
Great East Japan Earthquake”

4. Assoc. Prof. Mitsunori Hatayama
(DPRI, Kyoto University)

“Information Sharing using Information Communication
Technology in The Great East Japan Earthquake”

5. Assoc. Prof. Nagahisa Hirayama
(GCOE-HSE, Kyoto University)

“Tsunami Disaster and Disaster Debris Management”

6. Prof. Kiyoko Kanki
(Department of Architecture and Architectural
Engineering, Kyoto University)
“Considering the Future through the History of Cities’
and Villages’ Land Use Structure”

7. Prof. Junji Kiyono
(Department of Urban Management, Kyoto University)
“Toward the Mitigation of Human Casualty during an
Earthquake”

12:00-13:30 Lunch Break

**PART II: LESSONS LEARNED FROM DISASTERS IN
ASIAN REGIONS** (13: 30-15:00)

13:30-13:40

Brief Introduction:

Hirokazu Tatano (Disaster Prevention Research
Institute, Kyoto University)

13: 40-14:20

Keynote Speech 1: Mr. Sigeru Sugawara

Messages via experiences from the 2011 Great East
Japan Earthquake and Tsunami
(Mayor of Kesennuma City, Miyagi Prefecture)

14:20-15:00

Keynote Speech 2: Mr. Hanief Arie

“Tsunami Lesson Learned From Aceh to World”
(Deputy of Head, President’s delivery Unit for
Development Monitoring and Oversight (PDU))

15:00-15:30 Break

**PART III: NEW PARADIGM OF SOCIAL SAFETY AND
HUMAN SECURITY** (15:30-16:55)

15:30-16:55 Panel Discussion (in Japanese)

Moderator: Hirokazu Tatano (Professor, Disaster
Prevention Research Institute)

Panelist1: Tomio Saito (Administrative Director, Hyogo
International Association)

Panelist2: Motoaki Ue (Crisis Management Supervisor,
Wakayama Prefecture)

Panelist3: Sigeru Sugawara (Mayor of Kesennuma City,
Miyagi Prefecture)

Panelist4: Rajib Shaw (Assoc. Prof. Graduate School of
Environmental Studies, Kyoto University)

CLOSING REMARKS (16:55-17:00)

Hiroyasu Ohtsu
(Vice Dean, Prof, Graduate School of Engineering,
Kyoto University)

