

International Symposium on “More resilient non-engineered houses for earthquake disaster reduction”

Like the earthquake in Haiti on 12 January 2010, many people have been killed by earthquakes repeatedly in developing countries. In most of deaths caused by earthquakes, people are killed by their own houses. Most of the world's population lives in vernacular houses that are built of adobe, brick, stone, and wood, and are non-engineered and thus vulnerable to earthquakes. Generally, the safety structure of these non-engineered buildings are not verified when they are designed. There are also quality problems in materials used for construction and workmanship. Although it is indispensable to improve the structural safety of these houses in order to reduce the earthquake disasters, the actual situation of these non-engineered construction is not fully understood.

National Graduate Institute for Policy Studies (GRIPS) and Building Research Institute (BRI) are jointly conducting a research on non-engineered buildings in developing countries, namely, Peru, Indonesia, India, Nepal, Pakistan, and Turkey. GRIPS and BRI will co-organize the International Symposium on “More resilient non-engineered houses for earthquake disaster reduction” to share the result of the surveys and various efforts for safer houses, and to discuss how we can improve the safety of the non-engineered buildings.

Date: February 26th 2010 (Friday) 9:30~17:00

Venue: Sokairo Hall, National Graduate Institute for Policy Studies (GRIPS), Tokyo (Access: <http://www.grips.ac.jp/jp/about/access.html>)

Organized by: Building Research Institute (BRI) and GRIPS

Supported by: Ministry of Land, Infrastructure Transport and Tourism (MLIT), Cabinet Office (Disaster Reduction), UN International Strategy for Disaster Reduction (UNISDR), UN Centre for Regional Development (UNCRD)



9:30—9:50 Opening:

Shuzo Murakami, Chief Executive, BRI

Tatsuo Hatta, President, GRIPS

Message of Margareta Wahlstrom, UN Secretary-General's Special Representative for Disaster Reduction

(by Yuki Matsuoka, Head, Hyogo Office, UN Secretariat of the International Strategy for Disaster Reduction (UNISDR))

Motoi Sasaki, Deputy Director-General, Housing Bureau, MLIT

Shoichi Hasegawa, Deputy Director General for Disaster Management, Cabinet Office, The Government of Japan

9:50—10:30 Key note Speech on “Earthquake Damage and Non-engineered Construction”

Yuji Ishiyama, Professor emeritus, Hokkaido University

10:30—12:30 Session 1 “Vulnerability of non-engineered houses and efforts to make them safer”

“Outline of joint research” Kenji Okazaki, Professor, GRIPS

“Peru” Carlos Zavala, CISMID

“Indonesia” Dyah Kusumastuti, ITB

“India” Nitin Verma, SEEDS

“Nepal” Hima Gurubacharya (Shrestha), NSET-Nepal

“Pakistan” Najib Ahmad, Preston University

“Turkey” Alper Ilki, Istanbul Technical University

13:30—15:40 Session 2 “ Japanese efforts for safer non-engineered houses”

Special report “Damages of Haiti Earthquake Disaster” Hidetomi Oi, JICA

“Summary of International joint research project on comprehensive strategies for earthquake disaster mitigation”

Tatsuo Narafu, ICBA

“Seismic Performance of Masonry Buildings and Evaluation Methods”

Shunsuke Sugano, Professor Emeritus, Hiroshima University

“Lessons from assistance for reconstruction in Indonesia” Kozo Nagami, JICA

“Japan's ODA Project in Peru, Dissemination of Seismic Adobe House”

Akihiko Tasaka, Ex-First Secretary of Embassy of Japan in Peru

“Community based disaster management and assistance for retrofitting” Shoichi Ando, UNCRD

“Earthquake Risk Reduction and Recovery Preparedness in South Asia” Atsushi Koresawa, ADRC

15:50—17:00 Panel Discussion “How to promote safety improvement of non-engineered houses in developing countries”

Chair: Taiki Saito, BRI

Panelists: Carlos Zavala, Dyah Kusumastuti, Alper Ilki, Najib Ahmad and Hiroshi Fukuyama (BRI)

Admission Free (Pre-registration required)

Language: English and Japanese (simultaneous translation is available)

Pre-registration or Inquiry: Shibuya (GRIPS) Fax: 03-6439-6214 Email: a-shibuya@grips.ac.jp



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