

Symposium on
“Post earthquake building damage assessment – issues and new technologies –”

Hosted by National Graduate Institute for Policy Studies (GRIPS) and Building Research Institute (BRI)

In the symposium, information will be exchanged on the current status and issues of earthquake damage surveys and evaluation of buildings, which are conducted for various purposes after the occurrences of large-scale earthquakes within and outside Japan, and some examples of new technology developments related to building damage evaluation will be introduced. In light of preparations for large-scale disasters, including the Nankai Trough Earthquake and the Tokyo Inland Earthquake that are expected to occur in the future, the symposium is intended to explore future directions of research and development for earthquake damage surveys and evaluation of buildings.

Date and time: Thursday, January 18, 2018 1:30pm – 5:00pm Open from 1:00pm
Venue: Sokairo Hall, 1st Floor of GRIPS (See map below) (Max. 300 persons)
Language: Japanese/English (simultaneous translation provided)
Hosted by: National Graduate Institute for Policy Studies, Building Research Institute
Supported by: National Institute for Land and Infrastructure Management of the Ministry of Land, Infrastructure, Transport and Tourism, The Japan Building Disaster Prevention Association, Japan Council for Quick Inspection of Earthquake Damaged Buildings, Japan Federation of Architects & Building Engineers Association, Japan Association of Architectural Firms, The Japan Institute of Architects, Japan Structural Consultants Association, Japan Federation of Construction Contractors, Urban Renaissance Agency, Japan Housing Finance Agency, Architectural Institute of Japan, Japan Academic Network of Disaster Reduction, Consortium for Building Research & Development

Program:

MC: Hiroki SUNOHARA (Professor, GRIPS)

1:30-1:40pm Introductory Remarks

Yasuo OKUDA (Director, Dept. of Structural Engineering, BRI)

1:40-3:10pm Part 1: Current status and issues of earthquake damage survey of buildings based on recent earthquake disasters

Moderator: **Masaki MAEDA** (Professor, Tohoku University)

Mike Stannard (Chief Engineer, Ministry of Business, Innovation & Employment, New Zealand)

“Emergency building assessment In New Zealand after the 2010-11 Canterbury earthquake and improvements made after that”

Nobutada TOMINAGA (Director for Promotion of Earthquake Resistance, Urban Building Div., Bureau of Urban Development, Tokyo Metropolitan Government)

“Experiences and issues on emergency building safety assessment – based on experience in Kumamoto earthquake”

Mineo TAKAYAMA (Professor, Fukuoka University)

“Lessons learned from the comprehensive survey of building damages at Mashiki Town during 2016 Kumamoto earthquake”

Q&A and Summary

Break

3:20-4:50pm Part 2: Trend of new technology development related to building damage evaluation

Moderator: **Hiroshi FUKUYAMA** (Director, Building Department, NILIM)

Norimitsu ISHII (Senior Research Engineer, Dept. of Housing and Urban Planning, BRI)

“Survey of Earthquake Damaged Buildings with Smartphones and Tablets”

Tomohiko SAKATA (Senior Research Engineer, Dept. of Housing and Urban Planning, BRI)

“Development of Rapid Mapping Method for Building Damage using Post-earthquake Aerial Images”

Koichi KUSUNOKI (Associate Professor, Tokyo University)

“Building damage evaluation after an earthquake with sensing technology”

Q&A and Summary

5:00pm Closing

Access to GRIPS
 (7-22-1 Roppongi, Minato-ku, Tokyo)

Free of charge (Pre-registration required)

Please send your name and affiliation to the e-mail address below by Mon, Jan. 15, 2018.

Contact: Institute of International Harmonization for Building and Housing (IIBH) (E-mail: grips@iibh.org)

