Overview
Chain events of 6.5 magnitude foreshock and 7.0 Magnitude main shock that occurred on April 14 and April 16 respectively, called the 2016 Kumamoto Earthquakes, resulted in huge loss of lives and properties. The earthquake also resulted in heavy damage to infrastructures including landslides, slopes and embankment failures, road damage, earthquake and some limited liquefaction induced damage to buildings. Under the program called J-RAPID of JST (Japan Science and Technology Agency), a team of academia, researchers, engineers and consultants from Japan and the USA conducted joint investigation to carry out overall damage analysis and landslide hazard analysis of the Aso area through factual surveys. In order to disseminate the information gathered through those investigations and subsequent research in Japan, USA and other countries, an international workshop called “International Workshop on the 2016 Kumamoto Earthquake”, will be held.

Goal
The workshop is a forum to discuss several aspects of the April 2016 event. The aim of this workshop is to conduct some brainstorming discussion amongst the researcher involved in the survey of the Kumamoto earthquake disaster and propose disaster mitigation measures in the vulnerable areas of the Kumamoto region.

Themes
- Earthquake mechanism and seismicity
- Field surveys, data collection and analysis
- Damage analysis based on field investigation
- Laboratory and model testing
- Numerical simulation
- Compound disaster
- Preparation of hazard map

Important deadlines:
- January 4, 2017: Abstract submission. Please submit in A4 size within 1 page stating the name, affiliation and email address of the corresponding author by e-mail given below:
  e-mail: iwke2016.ja.us@gmail.com

Venue
Inamori Hall, Kyushu University, Fukuoka, Japan.

Official Languages
The official language of the workshop is English and Japanese.

Organizing committee
Chairman:
Prof. H. Hazarika (Kyushu University, Japan).

Advisory members:
Prof. M. Hashimoto (Kyoto University, Japan).
Prof. K. Ishihara (Chuo University, Japan).
Prof. R. E. Kayen (University of California, Los Angeles, USA).
Prof. Y. Kitazono (Prof. Emeritus, Kumamoto University, Japan).
Prof. O. Kusakabe (IPA)
Prof. T. Mazda (Kumamoto University)
Prof. A. Murakami (Kyoto University)
Mr. I. Nakahara (Japan Foundation Engineering Co. Ltd.)
Mr. A. Tamagami (Kyushu University, Japan).
Dr. M. Terashi (IPA)
Prof. K. Tsukahara (Kyushu University, Japan).
Prof. K. Watanabe (Kyushu University, Japan).
Ms. Y. Yamagata (Kyushu University, Japan).
Prof. K. Yasuhara (Ibaraki University, Japan).
Dr. T. Tsuji (Kyushu University, Japan).
**Members:**

Dr. B. Chaudhary (Kyoto University, Japan)
Prof. G. Chen (Kyushu University, Japan)
Dr. S. Dashti (University of Colorado, Boulder, USA)
Dr. K. Franke (Brigham Young University, USA)
Mr. T. Fujishiro (Fukuyama Consultant Co. Ltd., Kitakyushu, Japan)
Dr. M. Fukuda (Taisei Geotech Co. Ltd., Kumamoto, Japan).
Prof. H. Fukuoka (Niigata University, Japan)
Mr. M. Fukuda (Taisei Geotech Co. Ltd., Kumamoto, Japan).
Mr. S. Ishibashi (Nihon Chiken Co. Ltd., Japan)
Dr. T. Ishizawa (National Research Institute for Earth Science and Disaster Resilience, Tsukuba, Japan).
Dr. N. Kachi (Kyushu University, Japan)
Mr. Y. Katsuki (Kyushu University, Japan)
Mr. T. Hirose (Giken Ltd., Japan)
Mr. K. Kuribayashi (Eight-Japan Engineering Consultants Inc., Japan)
Mr. S. Kuroda (Eight-Japan Engineering Consultants Inc., Japan)
Mr. D. Matsumoto (Japan Foundation Engineering Co., Ltd., Japan)
Dr. S. Nishie (Chuo Kaihatsu Co. Ltd., Japan)
Dr. N. Oettle (AECOM, USA)
Dr. T. Ohsumi (NIED, Tsukuba, Japan)
Mr. K. Okamoto (Fukuyama Consultant Co. Ltd., Kitakyushu, Japan)
Dr. O. Saitoh (Ibaraki University, Japan)
Dr. N. Sakai (NIED, Tsukuba, Japan)
Mr. M. Tajiri (Tajiri Engineering Office, Kumamoto, Japan)
Mr. M. Tajiri (Tajiri Engineering Office, Kumamoto, Japan)
Mr. M. Takada (Chuo Kaihatsu Co. Ltd., Japan)
Dr. Y. Takeuchi (Kumamoto University, Japan)
Dr. B. Wham (Cornell University, USA).

**Members:**

Dr. Y. Tanoue (Kiso-Jiban Consultants Co., Ltd., Japan).
Mr. S. Yamamoto (Chuo Kaihatsu Co. Ltd., Japan).

**Workshop program**

<table>
<thead>
<tr>
<th>Time</th>
<th>March 6, 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00-08:30</td>
<td>Registration</td>
</tr>
<tr>
<td>08:30-09:00</td>
<td>Opening Ceremony</td>
</tr>
<tr>
<td>09:00-10:00</td>
<td>Keynote Lectures I &amp; II</td>
</tr>
<tr>
<td>10:00-10:20</td>
<td>Special Lecture</td>
</tr>
<tr>
<td>10:20-10:35</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>10:35-12:00</td>
<td>Session I: Landslides and Debris Flows</td>
</tr>
<tr>
<td>12:00-13:00</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:00-14:00</td>
<td>Keynote Lectures III &amp; IV</td>
</tr>
<tr>
<td>14:00-15:45</td>
<td>Session II: Soil Liquefaction, Lateral Spreading and structural damage</td>
</tr>
<tr>
<td>15:45-16:00</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>16:00-18:00</td>
<td>Session III: Engineering Seismology and Ground Motion</td>
</tr>
<tr>
<td>18:00-18:15</td>
<td>Closing Ceremony</td>
</tr>
</tbody>
</table>

**Keynote lectures**

**Keynote Lecture I:**
Analysis of a Fast-Moving Landslide during an Earthquake in Japan
By Prof. K. Ishihara (Chuo University, Japan).

**Keynote Lecture II:**
Geotechnical extreme event reconnaissance (GEER) mission to the 2016 Mw 6.0, Mw 6.2, and Mw 7.0 Kumamoto japan earthquakes
By Prof. R. E. Kayen (University of California, Los Angeles, USA).

**Special Lecture:**
Horizontal sliding of Uchinomaki hot spring area during the 2016 Kumamoto earthquake: Insight from satellite data, field observations and direct borehole measurements
By Dr. T. Tsuji (Kyushu University, Japan)

**Keynote Lecture III:**
Slope failures during recent earthquakes and their interpretations in terms of energy
By Prof. T. Kokusho (Chuo University, Japan).

**Keynote Lecture IV:**
Damaged situation of residential area of Mashiki-town
By Mr. M. Tajiri (Tajiri Engineering Office, Kumamoto, Japan).

**Publication**
The full paper (maximum 6 pages in A4 format) should be prepared and submitted by the provided deadline. The full paper volume will be distributed to the participants during the workshop.

**Registration Fee**
Standard – 10,000 Japanese Yen
Student – 4,000 Japanese Yen
* Registration Fee includes lunch, coffee and proceedings of the workshop.

**Important Notice**
Registration fee will be collected at the registration desk of the workshop (March 6, 2017). Please bring cash in Japanese Yen. No credit card or currency exchange facilities will be available.

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