

By Dr. Masahiro CHIGIRA  
Chairman of Japan National Group



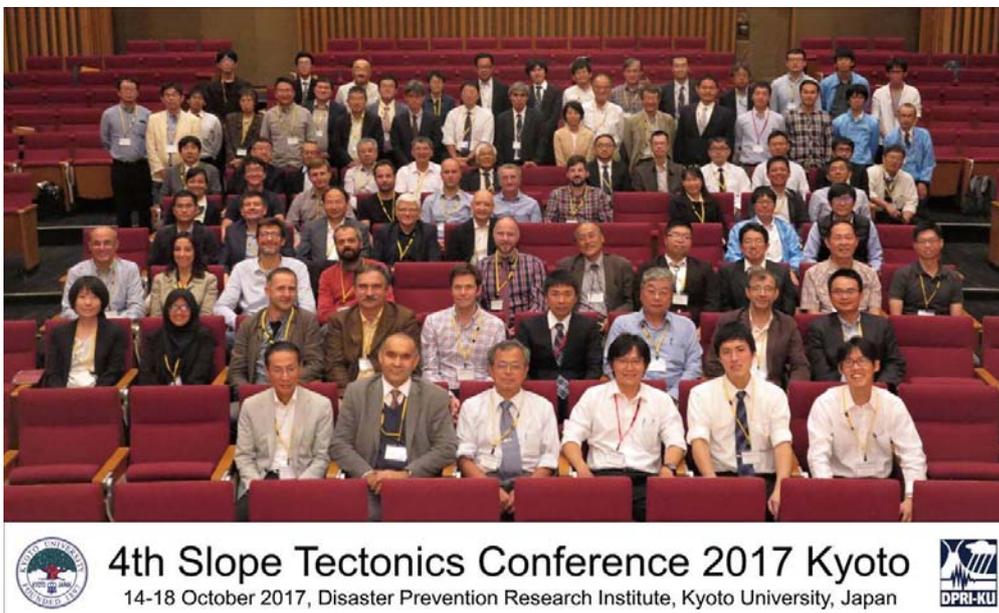
Conference Chair:  
Prof. Masahiro Chigira

(1) The 4th Slope Tectonics Conference

The 4th Slope Tectonics Conference was held at the Disaster Prevention Research Institute Kyoto University on October 14-18, 2017. This conference had been held in Lausanne, Switzerland in 2008, Vienna, Austria in 2011, and Trondheim, Norway in 2014 before Kyoto. The 4th conference had 80 papers from following 14 countries and animated discussion, Austria, Canada, China, the Czech Republic, Iran, Italy, Japan, New Zealand, Norway, Poland, Russian Federation, Spain, Switzerland, Taiwan. Slope tectonics is a young geographical field with slope movements include very slow to extremely rapid phenomena, which are in other words natural hazard. The main aim of the conference is to bring together scientists dealing with slope failures from engineering-geological, structural-geological and geomorphic point of view to improve the understanding of the interplay of slope fabrics with mass movement. The contributions were arranged in eight oral sessions covering the topics: Slow rock slope deformation, rockslides & active tectonics, geological and tectonic control on landslide distribution, rapid rock slope failures, monitoring & modelling of rock slopes, reactivation of pre-existing structures & formation of new structures in rock slopes.

Increasing number of papers using highly LiDAR data for detailed topography data were attracted. Maybe those data will be the most important for the preliminary investigation stage and field survey. Although there were not many paper, monitoring using modeling data from SfM by Drone, GPS and In-SAR, and the contribution of such remote sensing technology were reported.

Post conference 3-day field trip to the Kii Peninsula, which is underlain by accretionary complex and suffered from large landslide disasters was performed. Catastrophic landslides and their preparatory processes including deep-seated gravitational slope deformation and rock weathering were well observed.



Group photo of 4th Slope Tectonics Conference

## (2) 2017 Annual Meeting of JSEG

JSEG held 2017 Annual Meeting in Okayama on Oct. 12-13. About 300 JSEG members participated, and about 160 oral and poster presentations were performed. Special lecture, research of the Tsunami sediments of the previous Nankai Trough Earthquake was presented by Prof. Makoto Okamura, Kochi University. He emphasized that we should overcome one minute shock and about 8 hours continuous Tsunami of forthcoming Nankai Earthquake which occur only one time in one hundred or two hundred years.



Special lecture by Prof. Makoto Okamura



Free meeting for activation and recruit of young members and women's members

Engineering geologists of the JSEG women's members had free meeting with other members. Main theme was "Activation and recruit of young members and women's members". This task is very important for our JSEG as sustainable society in future generation.

## Plans for 2017-2018

- (1) The JSEG will hold the annual General Assembly in Tokyo on June 29, 2018. And 60th Anniversary Symposium of JSEG will be held at same venue. The theme of this symposium will be "Disaster Experiences during recent 10 years and Message to future generation"
- (2) 2018 Annual Meeting of the JSEG will be held at Sapporo, Hokkaido (North Japan) on October, 2018.