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[EE] Evening Poster | H (Human Geosciences) | H-GM Geomorphology

## [H-GM02]Geomorphology

convener:Tsuyoshi Hattaji(Faculty of Life and Environmental Sciences, University of Tsukuba),  
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Wed. May 23, 2018 5:15 PM - 6:30 PM Poster Hall (International Exhibition Hall7, Makuhari Messe)

The main subject of this session is interdisciplinary discussion on the whole range of themes relating to geomorphology, especially geomorphic processes, landform development and its relation to environmental changes, geomorphological hazards and their mitigation, relationships among geomorphic processes, other natural phenomena and human activities, and various techniques of geomorphological measurements and landform classification. All presentations and discussion of this session are made in English.

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## [HGM02-P02]Some morphological features of slope failures in granitic areas and property analyses considering rock weathering and soil formation

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Keywords:Slope failure, Rock weathering, Chemical and mineralogical analyses, Physical and mechanical measurements, Granite

Slope failures in granitic areas in Japan are sometimes catastrophic and cause loss of lives and considerable damages. Although many triggering factors might exist, it is important to understand rock weathering occurred in these areas. In order to know weathering characteristics, chemical and mineralogical analyses as well as physical and mechanical measurements of weathered rocks are necessary. On the other hand, topographical analyses are also important and convenient to know morphological features quantitatively. The present study investigates these characteristics in some granitic areas in Japan and tries to relate material characteristics and morphological features for slope stability analysis.