Japan Geoscience Union Meeting 2011
(May 22-27 2011 at Makuhari, Chiba, Japan)

MIS001-P01 会場:コンベンションホール 時間:5 月 25 日 10:30-13:00

かいこうが見た海底地すべりの詳細な地形・地質
Detailed observation of topography and geologic architecture on a submarine landslide scar in a toe of an accretionary p

川村 喜一郎[1*], 坂口 有人[2], 金松 敏也[2], 池田宏[1], 安間 了[3], ミカエル・シュトラッサー[4]
Kiichiro Kawamura[1*], Arito Sakaguchi[2], Toshiya Kanamatsu[2], Hiroshi Ikeda[1], Ryo Anma[3], Michael Strasser[4]

[1] 財団法人深田地質研究所, [2] 海洋研究開発機構, [3] 筑波大学, [4] ブレーメン大学
[1]Fukada Geological Institute, [2]JAMSTEC, [3]University of Tsukuba, [4]University of Bremen

This paper deals with detailed geologic and topographic features of a recent three submarine landslides on a convergent margin. We surveyed a submarine landslide scar on a toe of the Nankai acretionary prism, SW Japan, using the remotely op-erative vehicle (ROV) KAIKO7000II (7K). The water depth is 3200-3800 m. The total volumes of moved masses are 3.3, 30.6 and 11.3 km3. During the dive sur-vey, the 7K found debris blocks fractured by two directions of joints. These result from retrogressive small collapses at the landslide scar. Seeps being bacterial mats were observed at the top of the scar. These are related to be a formation of the slide.

キーワード: ROV KAIKO7000II, バクテリアマット, 南海トラフ, 付加体先端
Keywords: ROV KAIKO7000II, Bacterial mats, Nankai trough, prism toe