

Huge deep-sea landslide in the Southern Mariana Trench: a preliminary report of 6K-1429 dive

*Teruaki Ishii¹, Yasuhiko Ohara^{2,3}, Shoma Oya⁴, Fernando Martinez⁵

1.Fukada Geological Institute, 2.Hydrographic and Oceanographic Department of Japan, 3.Japan Agency for Marine-Earth Science and Technology, 4.Shizuoka University, 5.University of Hawaii

We have identified a huge deep-sea landslide structure in the Southern Mariana Trench. DSV Shinkai 6500 dive 1429 investigated this structure during YK15-11 cruise of R/V Yokosuka. In this contribution, we will have a preliminary report of the dive and discuss the origin of this structure.

Keywords: Southern Mariana Trench, deep-sea landslide, serpentized mantle peridotite