
[EJ] Evening Poster | M (Multidisciplinary and Interdisciplinary) | M-IS Intersection

[M-IS08]Drilling Earth Science

convener:Yasuhiro Yamada(Japan Agency for Marine-Earth Science and Technology (JAMSTEC), R&D Center for Ocean Drilling Science (ODS)), Junichiro Kuroda(Department of Ocean Floor Geoscience, Atmosphere and Ocean Research Institute, the University of Tokyo), Kohtaro Ujiie(筑波大学生命環境系, 共同), Yusuke Suganuma(National institute of Polar Research)

Tue. May 22, 2018 5:15 PM - 6:30 PM Poster Hall (International Exhibition Hall7, Makuhari Messe)

"Earth Drilling Science" session aims to exchange the latest information and scientific achievements in Ocean/Continental drilling projects and to promote the interdisciplinary science. The session covers a wide range of drilling sciences, earth dynamics, environments, and the drilling-related technologies. The overview of the recent scientific drillings as well as future projects of any types of scientific drilling will be reported.

[MIS08-P05]High-resolution records of the chemical composition of the marine sediment off Cape Erimo, Hokkaido, Japan

*Masafumi MURAYAMA¹, Shinsuke Yagyu², Satoshi Tonai³, Uramoto Go-Ichiro², Yasuhiro Yamada⁴, Fumio Inagaki⁴ (1.Faculty of Agriculture and Marine Science, Kochi University, 2.Center for Advanced Marine Core Research, Kochi University,, 3.Department of applied science, Faculty of Science, Kochi University, 4.Research and Development Center for Ocean Drilling Science, JAMSTEC)

Keywords:sediment core off Cape Erimo, XRF core scanner (ITARX), Shallow Core Program (SCORE), D/V Chikyu

About 100 m sediment cores were taken from off Cape Erimo, Hokkaido, Japan on the Shallow Core Program (SCORE) by D/V Chikyu in 2017. The sedimentary sequence is intercalated with mass transport deposits caused by earthquake-triggered submarine landslides and/or climate changes. Here we report a result of high-resolution geochemical composition of these cores using XRF core scanning technique.