## G0-P001

## Time: June 6 17:00-18:30

## Lithological Characteristics of the Basement of Northern Tip of Izu-Bonin Arc - The 1450mCore Sample in the Hakone Volcano -

# Hiroyuki Yamashita[1], Hidetsugu Taniguchi[2], Kazutaka Mannen[3], Shinichi Kawate[4], Daiji Hirata[1], Teiji Ebiko[5]

[1] Kanagawa prefect. Mus. Nat. Hist., [2] Komazawa Univ.High Sch., [3] HSRI, Kanagawa Pref., [4] Musashi High School, [5] none

Basement of Izu-Bonin arc is expected to bring us an insight into the initiation of ocean island arc volcanism. We obtained unusual fresh core succession at southwestern flank of the Hakone volcano, northern tip of the Izu-Bonin arc. The obtained core, lower part of the 1450m drilling, is mainly composed of submarine volcaniclastic rocks which might be older than 0.5Ma. The core sample is divided into three main faces (faces I, II, III) and 13 stratigraphic sub-units based on lithological characteristics. This core sample with remarkable recovering rate give us the basic data of the comparison to the evolution of volcanic edifices in the lower Izu-Bonin arc and the transportation mechanism of submarine volcaniclastic rocks.

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