**Ga-P001** Room: IM2 Time: June 25 17:30-19:00

## Mass Transfer Property of Subducting Oceanic Plate

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In order to elucidate the mass transfer properties of subducting oceanic plate, we measured permeability and diffusivity using core samples from Izu-Mariana subduction zones. The permeabilities of clay samples ranged from 10-6 to 10-8 cm/s, while ones of hard rocks were about 10-11 cm/s. This difference may result from their void structures.