
SMP055-P21

Room: Convention Hall

Time: May 23 17:15-18:45

A study of a ductile shear zone developed in the Moho transition zone, Fizh massif, the Oman ophiolite

Tatsuya Ohara^{1*}, Katsuyoshi Michibayashi²

¹Institute of Geosciences, Shizuoka Univ., ²Institute of Geosciences, Shizuoka Univ.

A ductile shear zone in the Moho transition zone is located on Wadi Zabin of the northern Fizh block in the northern part of the Oman ophiolite. Simultaneously deformed peridotites (dunites) and gabbros in the shear zone have developed strong foliations toward the center of the shear zone. Samples having various degree of deformation were selected across the shear zone. We present their microstructures and discuss their developments in terms of rheology of minerals.

Keywords: Oman, ductile shear zone, peridotite, gabbro, olivine, plagioclase