Aw-P003 Room: Poster Time: June 11 11:00-13:00

Storage and transportation of volatile fluids studied by the microstructure of rocks

Takehiko Hiraga [1], Mizuhiko Akizuki [2], Osamu Nishikawa [3]

[1] Inst Mineral Petrology & Economic Geol Fac Sci, Tohoku Univ., [2] Inst. Mineral. Petrology & Economic Geol. Fac. Sci., Tohoku Univ., [3] Inst. Geol. and Pal., Tohoku Univ.

Micro voids and grain boundary structures were studied by transmission electron microscopy in the viewpoint of studying the pore structures in metamorphic rocks. Arrays of micro voids derived from microcracking, wetting of fluids and grain boundary migration should play an important role of fluid transportation and storage in the rocks.