

S114-012

Room: 101A

Time: May 14 12:00-12:15

Seismic activity in Kinki district – water source and prediction –

Yasuhiro Umeda[1]; Kiyoshi Ito[2]; Makoto MATSUBARA[3]

[1] DPRI Kyoto Univ.; [2] DPRI, Kyoto Univ.; [3] NIED/ADEP

High and low seismic activities in the north Kinki district have repeated in several years. Since March 2003, the number of micro-earthquakes decreased. We guess that the seismic activity was controlled by the week change of tectonic stress and the high pressure fluid produced from the upper mantle. Why is the fluid from the mantle? A plane which reflects the seismic waves was found in the 60km depth. The layer which has high velocity of P wave lies beneath this plane. We guess this layer is the source of fluid.