

## Holocene sinistral-reverse slip movement along the Median Tectonic Line, Kanto region, Japan

# Kenta Kobayashi[1]

[1] Grad. Sch. Sci. & Tech., Niigata Univ.

The Okitano-Iwayama Line, which has been recognized as the Median Tectonic Line in the Kanto region, dips northward steeply. The fracture zone (3m in thickness) along the Okitano-Iwayama Line cropped out at Shimonita (Gunma Prefecture) is composed of foliated fault gouges. Along the northern marginal faults of the fracture zone (F1 & F1'), dextral-normal and sinistral-normal slip movements are detected. While, along the southern marginal fault of the fracture zone (F3), sinistral-reverse slip is determined. Post-Late Pleistocene (estimated at Holocene) terrace gravels are displaced by the F3, and not displaced by the other fault surfaces and the fracture zone. Therefore, the last slip along the Median Tectonic Line in the Kanto region can be estimated to occur in Holocene age (and at present).