

## Meso-structural analysis of the Torigoe fault, Niigata Prefecture, Japan

# Kenta Kobayashi[1]; Naoki Ohkawa[2]

[1] Dept. Geol., Niigata Univ.; [2] Geology,Sci,Niigata Univ

We described meso-structural characteristics along the Torigoe fault running parallel to the NW margin of the Nagaoka Plain, analyzed the fault gouge by XRD and XRF. The area is underlain by inclined Uonuma Formation (Early to Middle Pleistocene) that is overlain by horizontal Oyama Formation (Middle Pleistocene). The main fault surface that has formed parallel to the bedding of the Uonuma Formation dips to NW. The Oyama Formation is cut by the fault. Sinistral-reverse movement was determined. The net slip is 6.1 m. The fault crops out on a lineament that is distant by 200 m from the topographic *Torigoe fault*. The Torigoe fault may be composed of a few sub-faults around the investigated area.