## Ec-P004

## Room: Poster

## Paleomagnetic study in the Nijosan area and the timing of rotation of Southwest Japan

# Hiroyuki Hoshi [1], Daisuke Tanaka [1], Masaki Takahashi [2], Toshiyuki Yoshikawa [3]

[1] Dept. Environmental Earth Sci., Aichi Univ. Educ., [2] Min. and Fuel Res. Dept., GSJ, [3] Geology Dept., GSJ

http://www.mater.aichi-edu.ac.jp/envsci/hoshi.html

There have existed several different opinions about the timing of clockwise rotation of Southwest Japan. To clarify the timing of the rotation, we conducted a paleomagnetic study of the well-dated middle Miocene Nijo Group in the Nijosan area over Nara and Osaka Prefectures. As a result, 33 site-mean directions gave a time-averaged group-mean of D = 352.5, I = 53.0, and a95 = 7.2. Statistically meaningful paleomagnetic rotation was not observed in the 15-Ma Donzurubo Formation, as well as in upper units of the group. Thus, we conclude that the study area has undergone little vertical-axis rotation since 15 Ma.