SI-014 Room: C416 Time: June 28 14:00-14:15

## Geophysical (GPR, VLF-MT and DC) surveys for subsurface structures of urban concealed active fault

# Takao Miyata[1], Satoru Yamaguchi[2]

[1] Earth and Planetary, Sci., Kobe Univ., [2] Earth and Planetary Sci., Kobe Univ.

We used geophysical surveys (GPR,VLF-MT,DC) for subsurface structures of the urban concealed active fault beneath the Ishiyagawa Park, Nada, Kobe. The following results were obtained: (1)Discontinuity (wedge structure) of the Holocene horizontal strata was fund on the GPR record. (2)Low apparent resistivity zone (<200 ohmm and about 30m in width) was detected at the middle part of the VLF-MT survey line. (3)Low resistive zone (about 10m) of less than 1000 ohmm was found in the 2D geoelectric section inferred from the DC survey. These detected anomalies appear on the almost same place, and are located just above the concealed fault, which were found at 200-1000m deep by seismic reflection survey.