## **Room: 202**

## Inland MT Measurements in cooperation with Seafloor MT off Tottori in the Sea of Japan

# Naoto Oshiman[1]; Ryokei Yoshimura[1]; Ichiro Shiozaki[2]; setsuro Nakao[3]; Sei Yabe[4]; yuuji mochido[5]

[1] DPRI, Kyoto Univ.; [2] Dept. of Civil Eng., Tottori Univ; [3] RCEP, DPRI, Kyoto Univ.; [4] TOTTORI OBSERVA-TORY,RCEP,DPRI; [5] Civil engineering,Tottori Univ.

Wide-band magnetotelluirc (MT) observations have been made along survey profiles of almost N-S direction in the San-in region since 1998, to investigate heterogeneity in the crustal electrical resistivity structure, suggesting a low resistive region beneath seismogenic zone of the high seismicity belt along each MT profile. The low resistive region found along each MT profile seems to form a conductive zone extending in the almost E-W direction beneath the seismic belt extending in the almost same direction of the conductor. In order to investigate resistivity structure at deeper depths, we made MT measurements of longer periods at three inland sites together with seafloor MT observations off Tottori in the Sea of Japan. In the sea area, four OBEMs and one OBE were set up at the end of August, 2006 to obtain seafloor MT data off-Tottori in the Sea of Japan. Four of the five sites on the seafloor were tried to be recovered in mid-October, 2006.