

## Integrated observations of earthquake precursors in Taiwan

\*Lou-Chuang Lee<sup>1</sup>, Ching-Chou Fu<sup>1</sup>

1. Institute of Earth Sciences, Academia Sinica

The integrated observational project of earthquake precursors in the Taiwan area consists of continuous measurements of the geomagnetic perturbation, crustal deformation, ionospheric disturbance, ground water level, and leaky gas (Radon ) from the crust in the past two decades. Since 2010, the gamma-ray sensors, downhole strainmeters, telluric electric field measurements and thermal infrared ray analysis are further established. An electric coupling model for the lithosphere-atmosphere-ionosphere was also developed. In this talk, some recent results from the integrated observations and theoretical model for earthquake precursors will be presented.

Keywords: earthquake precursors, electric coupling model