



Symposium on Scientific Applications of GPS in Active Geosphere Investigations

Date and Time : *October 13 (Fri)-14 (Sat), 2006*

Venue : *Gem and Jewelry Institute of Thailand, Chulalongkorn University*

Programme (Opening at 9:00)

1. Tutorial talk on the GPS system
2. Application in Upper Atmosphere and Space Science
 - (1) *Introduction of space science studies using GPS observation system*
 - (2) *Plasma bubbles in the ionosphere*
 - (3) *Total Electron Content variation in Southeast Asia*
 - (4) *Ionospheric observation in South-East Asia*
3. Application in Hydro-Meteorology
 - (1) *Introduction of GPS utilization in Hydro-Meteorology*
 - (2) *Application of GPS to the evaluation of rainmaking*
 - (3) *Observation of rainfall in the Indian Sub-continent*
 - (4) *GPS meteorological observation in Thailand*
 - (5) *Diurnal moisture variations obtained by GPS system*
 - (6) *Data assimilation of GPS data to Mesoscale Numerical Weather Prediction*
4. Application in Geodesy and Seismology
 - (1) *Introductory talk on utilization of GPS in Geodesy*
 - (2) *Crustal deformation induced by the 2004 Sumatra-Andaman Earthquake*
 - (3) *Monitoring groundwater variations in Bangkok*
 - (4) *Geodynamics of the Carpathian seismogenic zone by GPS*
 - (5) *Use of GPS technique for volcano and earthquakes*

Jointly Organized by
Kyoto University Active Geosphere Investigations for the 21st Century COE Program (KAGI)
Research Institute for Sustainable Humanosphere, Kyoto University (RISH)
Faculty of Science, Chulalongkorn University

This Symposium is open to Thai and international scientists