Global-COE Frontier Seminar

Seismic structure and tectonics of the Taiwan subduction zone

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Date & Time : 13:30 - 14:45 Feb 12, 2010 on Friday
Place : Research Center for Earthquake and Volcanic Eruption
        Annex Bldg. #1 Meeting Room
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Abstract :

Taiwan is located in a subduction-collision zone with very complex structure and tectonics. Shallow and intermediate-depth earthquakes occur actively in the crust and the subducting oceanic plate. Large crustal earthquakes, such as the 1999 Chi-Chi earthquake (M 7.3), caused significant damages to the Taiwan society. Seismic tomography studies are made to investigate the 3-D structure of the crust and upper mantle under Taiwan, which provide new insight into the structure heterogeneity and dynamics of the subduction-collision zone.