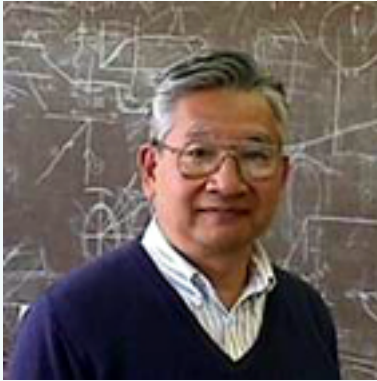


AOB&COE Seminar



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Title: Real-time Seismology for Earthquake and Tsunami Warning

2007年10月16日 (火) 14:00-16:00

地震・噴火予知研究観測センター(別館)第一会議室

October 16, 2007 (Tue) 14:00-16:00

Research Center for Prediction of Earthquakes and Volcanic Eruptions
Meeting Room #1, AOB Annex

- Abstract -

Rapid assessment of shaking and tsunami potential of an earthquake is a key element for effective seismic hazard mitigation measures. In view of the remarkable progress of the NIED-JMA early warning system, we explored a use of an on-site early warning method with the hope of eventually enhancing the capability for more robust and faster warning.

For more effective seismic tsunami warning, we have developed a method for rapid determination of the mechanism and the magnitude of large earthquakes using W-phase, a long period wave train which arrives before seismic S wave. This method allows the determination of long-period size of a large earthquake within 15 to 20 minutes after the origin time, and is potentially effective for identifying hazardous tsunami earthquakes.

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