

## **Abstract of Presentation**

<u>Presentation Title:</u>
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Mitigation of Earthquake and Tsunami Hazard in Asia
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<p>Many large earthquakes and tsunamis have occurred in Asia and caused large disasters such as the 1994 Mindoro earthquake in Philippines, the 1998 Papua New Guinea earthquake, the 2004 Sumatra earthquake in Indonesia, the 2011 Tohoku-oki earthquake in Japan. Researches on mitigation of those hazards have been conducted in each country. Since recurrence intervals of those hazards are more than 100 years, it is difficult to understand the mechanism of those hazards without research collaboration. Now we should conduct the research collaboration on hazard mitigation of great earthquakes and tsunamis between those Asian countries.</p>
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<p>Especially, in Indonesia, the great 2004 Sumatra earthquake, Mw 9.2, and 2010 Mentawai Tsunami earthquake, 2012 Sumatra Outer-rise earthquake occurred. Many different types of great earthquakes occurred recently off Sumatra. It is similar situation in Japan, because the 1896 Sanriku tsunami earthquake, 1933 Sanriku outer-rise great earthquake, and the 2011 Tohoku-oki earthquake, Mw9.0, occurred. Tectonic setting and occurrence of great earthquakes in Japan is almost the same as those in Indonesia. Therefore, it is clear that in order to understand the mechanisms of hazards, the collaboration researches between two countries are necessary and will provide important results.</p>
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