

## 2011 Tohoku Earthquake: strong motion and seismic disaster: purpose of the session

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The 2011 Pacific coast of Tohoku Earthquake caused the seismic disaster as well as Tsunami disaster. Seismic Intensity (on JMA scale) of 7 was observed at MYG004 of K-NET where more than 2900 gal was recorded. Strong ground motions such as Seismic Intensity 6 upper or 6 lower distributed at Tohoku and Kanto region. Long duration of the strong ground motions were observed over wide area, and long period ground motions were recorded at Osaka as well as eastern Japan. Liquefaction was occurred and it was significant at Tokyo bay region and along Tone-Gawa River.

It is important to understand the characteristics of the strong ground motions and disaster of the earthquake for the disaster prevention/mitigation of the future large earthquakes.

Based on these backgrounds, this session "2011 Tohoku Earthquake: strong motion and seismic disaster", is proposed from the strong ground motion committee and the program committee of the Seismological Society of Japan.

We will discuss the strong ground motion, seismic disaster and lesson learned from the earthquake.

Keywords: The 2011 off the Pacific Coast of Tohoku Earthquake, strong ground motion, seismic disaster