
Oral | Symbol S (Solid Earth Sciences) | S-SS Seismology

[S-SS28_2AM2]Application and Future Development of Earthquake Early Warning

Convener:*Masaki Nakamura(JMA), Masumi Yamada(Disaster Prevention Research Institute, Kyoto University), Mitsuyuki Hoshiba(Meteorological Research Institute), Hiroshi Tsuruoka(Earthquake Research Institute, Tokyo Univ.), Shin Aoi(National Research Institute for Earth Science and Disaster Prevention), Shunroku Yamamoto(Railway Technical Research Institute), Hiroshi Araya(Japan Meteorological Agency), Chair:Masaki Nakamura(JMA)

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Earthquake Early Warning (EEW) is provided to public users nationwide in Japan from October 2007. The attention to the system has been increasing by broadcasting from the television, radio, and mobile phone. The contribution of the automatic processing technology of observing waveform data is very important for the development of EEW. In this session, we will discuss on the technical improvement of EEW, the practical application of EEW, and the automatic processing technology.

12:30 PM - 12:45 PM

[SSS28-P01_PG]New-development of real-time seismic waveform viewing system feeding from DONET

3-min talk in an oral session

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Jamstec-Ocean seismological database-Integrated byNetwork data (team JOIN) is started since 2012, with the purpose of developing an earthquake research information database through the integration of discrete database, such as real-time earthquake study and lithosphere structure research catalogue. JOIN is consist of three divisions, 1) seismological study using DONET (Dense Ocean-floor Network for Earthquake and Tsunamis) data, 2) sub-structural study for nankai-tonankai earthquake area, and 3) data-management and open to public for oceanographic data acquired JAMSTEC equipment. These can lead not only scientific but practical outreach, consequently, disaster prevention of each local government. We have developed web-based real-time monitoring system of strong motion and pressure sensor of DONET observatory network, this is user-friendly tool for servant service of disaster prevention department. Trial operation with the monitoring system is undergoing for a few government close to nankai-tonankai area, aiming full-scale operation which will start from April 2014. Technical summary of this system will be introduced.