Y230-010 Room: 101 Time: May 17 16:15-16:30

## Application of Earthquake Early Warning System to disaster mitigation for High-Rise Building

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We apply Earthquake Early Warning System (EEWS) to reduce earthquake-related damage of the 29-story building of Kogakuin University in the downtown Tokyo, Shinjuku, Japan. We study disaster mitigation plan for short period earthquake and long period earthquake using EEWS. To familiarize EEWS, we use it on disaster drill. In addition, we have each floor members to develop the disaster prevention map and let them to notice about something harmful in each floor. We also use EEWS to gather the emergency operation member as the trigger. Furthermore, we apply EEWS to the elevator emergency operation control system for long-period ground motion, EEWS operates the elevator to stop at the nearest floor before the long-period ground motion arrives.

On receiving EEW, we will familiarize people in building with avoiding something harmful.