Practical use and its problem of the earthquake early warning system at Tokai University

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In Shizuoka Prefecture, where the heavy damage will be expected when the Tokai Earthquake will occur, therefore the promotion of earthquake disaster prevention measures has been pushed forward from 70's. In such a background, the reinforcement of the school building and the evacuation drill have been performed at Tokai University.

However, to consider the characteristics of the university campus, there are a lot of dangerous materials such as medicines. Therefore, a very dangerous state is concerned about by a falling many things at the time of the earthquake. In this study, we started construction and the use of the disaster prevention system in the campus where we used the earthquake early warning system to suppress the damage minimum. The developed system informs the estimated intensity and S-wave arrival time at the campus though the university network. The system is now addressed to the university staffs.

Furthermore, we investigated to check the reaction of general public (exactly speaking, university students during a study tour), we tested at the university aquarium. As a result, the correspondence actions of students parted to three categories; 'held the handrail in front of the water tank', 'left it for a water tank' and 'protected a head at the place'.

However, there were many students who did not take any action. Some of them did not understand the meaning of the announcement, and were dumbfounded and were not able to move.

For impending Tokai earthquake, we would like to examine the construction of the high disaster prevention system which utilized an on-site seismometer for the future.