

## **Recent Research on and Prospects of the Disaster Prevention Technology**

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Various natural disasters have occurred in Japan due to geological and meteorological conditions, and we have suffered a lot of human and economical damage. The disaster prevention technology in the railway has been developed through many experiences and has contributed to the decrease of damage. After the 2011 off the Pacific coast of Tohoku Earthquake, however, the paradigm of disaster prevention has been shifted. The main policy of the disaster prevention of the Japanese Government has come to focus on the mitigation of and the resilience against large-scale disasters caused by larger natural force. I will introduce the results of our recent research on the disaster prevention technology, and will describe our research plan of the mitigation of and the resilience against the large-scale disasters.