

Recent State of Research and Development Concerning Disaster Prevention Technology

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A natural condition of Japan is characterized by varied geographical features, active geological features, and a changeable meteorology. Some natural external forces generated in these peculiar environmental conditions cause natural disasters in various forms. Therefore, it is necessary to forecast the expected change of conditions of each place caused by these external forces, and take appropriate measures against them, for safe operation of the railway. In addition, it is requested that the overall system for the prevention of disasters should be established by integrating the technology of each external force.

This paper explains the recent state and the issues of the research and development in a disaster prevention technological field.