

**Role of Center for Railway Earthquake Engineering Research and
Recent Research of Earthquake-related Technology**

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Railway Technical Research Institute opened the Center for Railway Earthquake Engineering Research on April 1, 2014. There is increasing concern about the risk of seismic disasters particularly caused by huge earthquakes. The disasters by huge earthquakes spread wider and become more complex. In order to achieve safer railway systems by coping with these issues, the center was established as a unique “base site” for railway-seismic technology in Japan. The center also integrates RTRI’s research resources on quake-motion, seismic design and countermeasure, and early alarming. In this report, the role of CREER and recent research of earthquake-related technology are introduced.