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[Plenary] Magnet Technology for Train

Friday, 19 November 2021 14:00 (45 minutes)

Railway Technical Research Institute is researching the magnet technology on the application of the railway system.

In magnet technology, we are fabricating and evaluating magnetic materials. As applications of magnet, we are developing research on the high-temperature superconducting magnets, the superconducting magnetic energy storage, the superconducting traction transformer, the non-contact power supply system, the linear induction motor-type eddy-current rail brake system, and so on.

And we are also conducting research technologies such as the ground and levitation propulsion coils for maglev.

These magnet technology for railway will be introduced in detail on this presentation.

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