

Recent Research and Development on Transport Information Technologies

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The major objective of the research and development on transport information technologies in RTRI is to improve performance, user-friendliness and safety of railway business through applying the information and telecommunication technologies. Three important future-oriented research projects are currently in progress. These are “Application of IT and sensing technologies to equipment management”, “Development of high-speed and large capacity information transmission technologies for railways” and “More efficient transport planning based on dynamic demand estimation”. These are all for realizing the highly IT-equipped railway systems in future. In this article, outlines of the projects and other research activities related to the foregoing transport information technologies are described.