

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 applying the information and telecommunication technologies. Three important future-oriented research projects are currently progressive. These are namely “application of IT and sensing technologies to equipment management”, “development of high-speed and large capacity information transport technologies for railways” and “more efficient transport planning based on dynamic demand estimation”. These are to realize an image of the highly IT-equipped railways called as Cyber-Rail. In this article, outlines of the projects and other research activities related to the foregoing technologies are described.