

Signalling and Operation Systems Technology Division

- Signalling, train control and operation system for autonomous train operation and control

Signalling system

Train control system

Operation system



Autonomous train operation and control

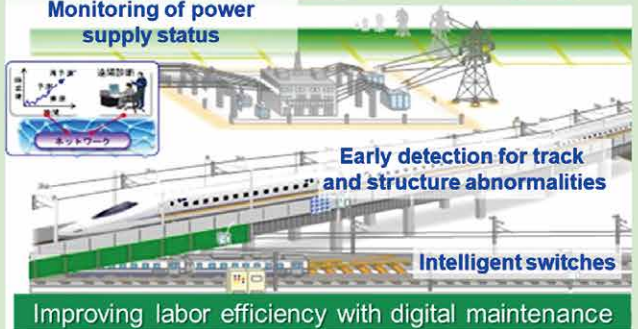
Information and Communication Technology Division

- Data & image analysis and network technologies for better labor efficiency of railway system

Information analysis

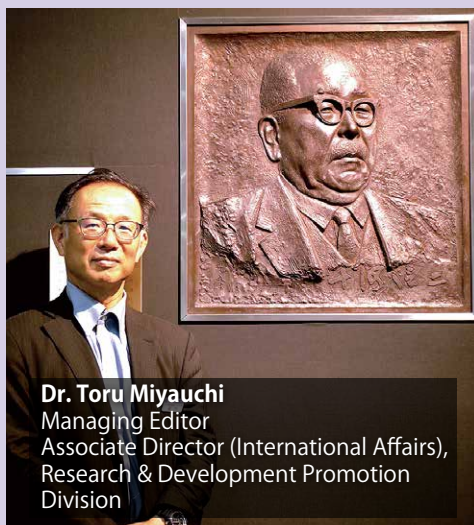
Image analysis

Communication network



Improving labor efficiency with digital maintenance

**New divisions: Signalling and Operation Systems Technology Division and Information and Communication Technology Division
(Main research projects shown in encircled areas)**



Dr. Toru Miyachi
Managing Editor
Associate Director (International Affairs),
Research & Development Promotion
Division

Message from Managing Editor Dr. Toru MIYAUCHI

Under the main theme of “Reorganization of the Railway Technical Research Institute (RTRI) and the Initiatives of the Technology Divisions”, this issue of Ascent focuses on three technology divisions - Structures Technology Division, Power Supply Technology Division and Track Technology Division. As for the other divisions, they will be introduced in the next and subsequent issues .

As you may know, COVID-19 has been reclassified as a Class 5 infectious disease in

Japan since May 8th, 2023. Since the reclassification, the country has seen a massive flow of Japanese going abroad and foreign tourists coming to Japan.

RTRI has also accepted visits since then and many people from overseas have visited RTRI to see our facilities and to have productive dialogue with RTRI staff. It is a great pleasure for us to have international visitors to RTRI.