

**48th Meeting of IFIP Working Group 10.4
Hakone, Japan - 5th July**

Research Report

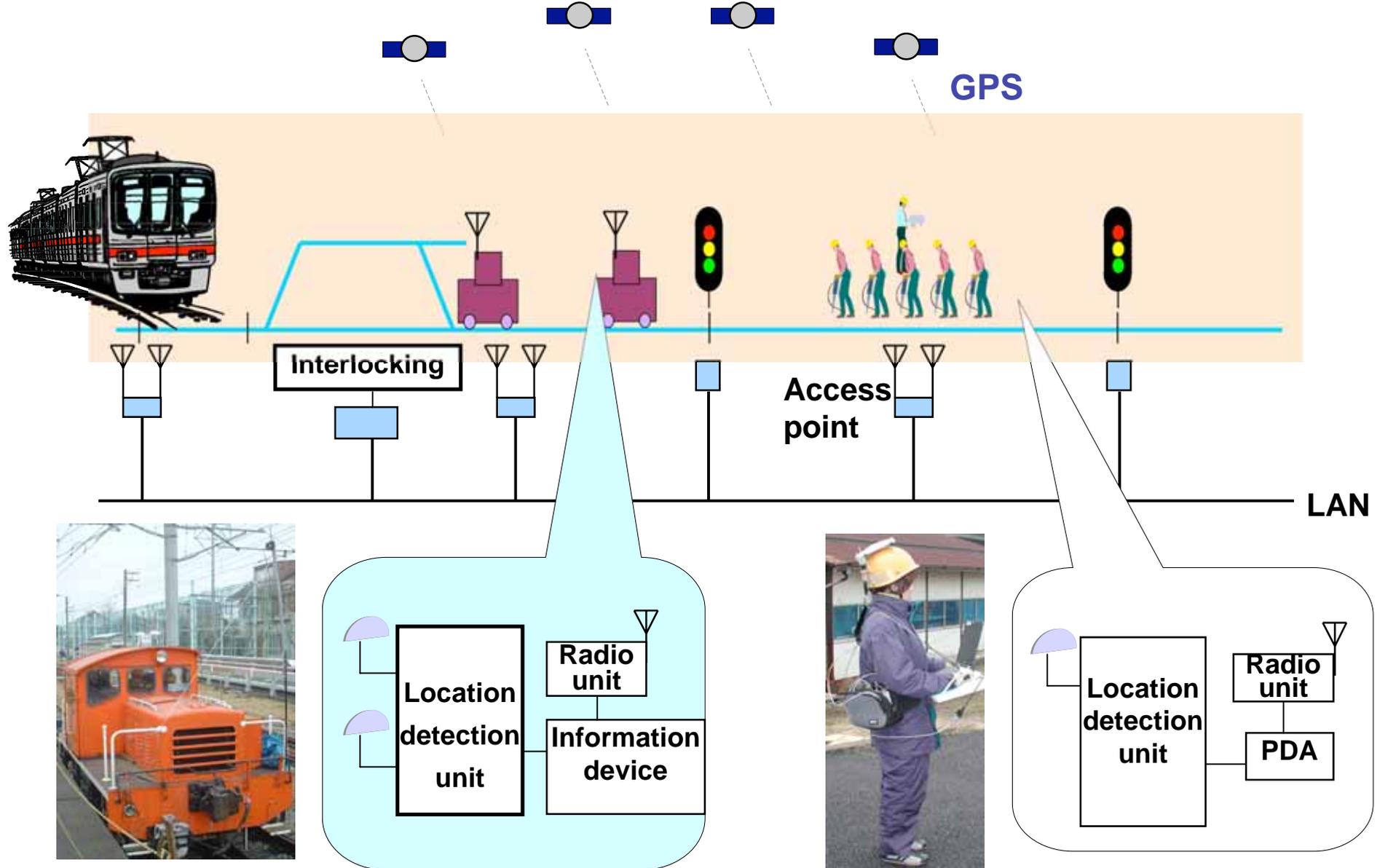
A Railway Maintenance Staff Protection System

Yuji HIRAO



Railway Technical Research Institute

Maintenance Staff Protection System (safety-related system)



Technological interests

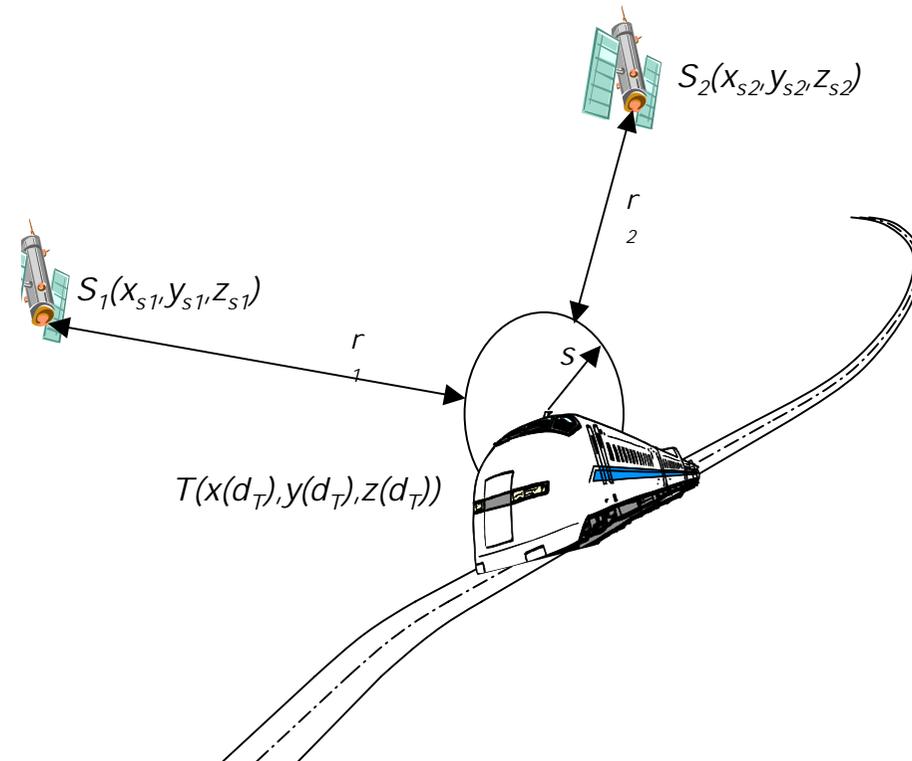
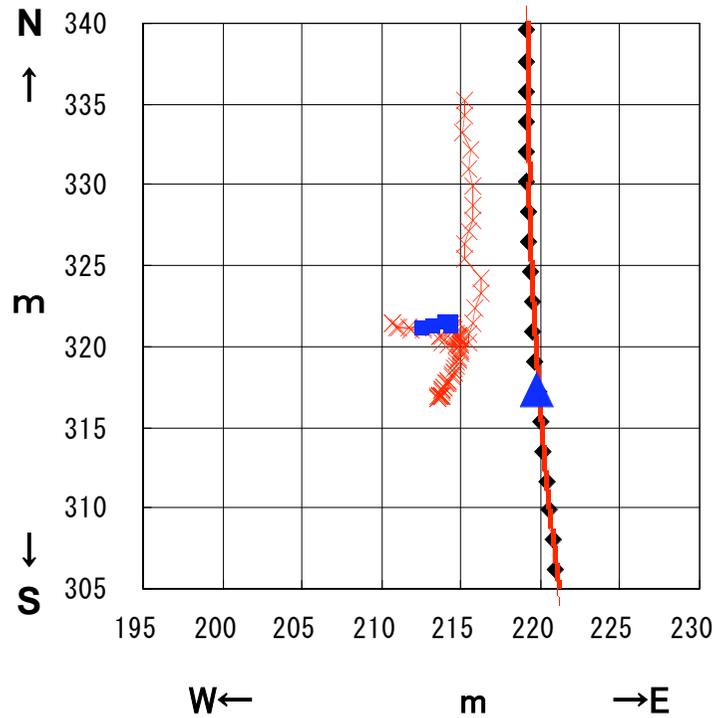
1. Enhancement of positioning accuracy
2. System safety

Data transmission system

Nomadic computing, ubiquitous

Positioning by GPS

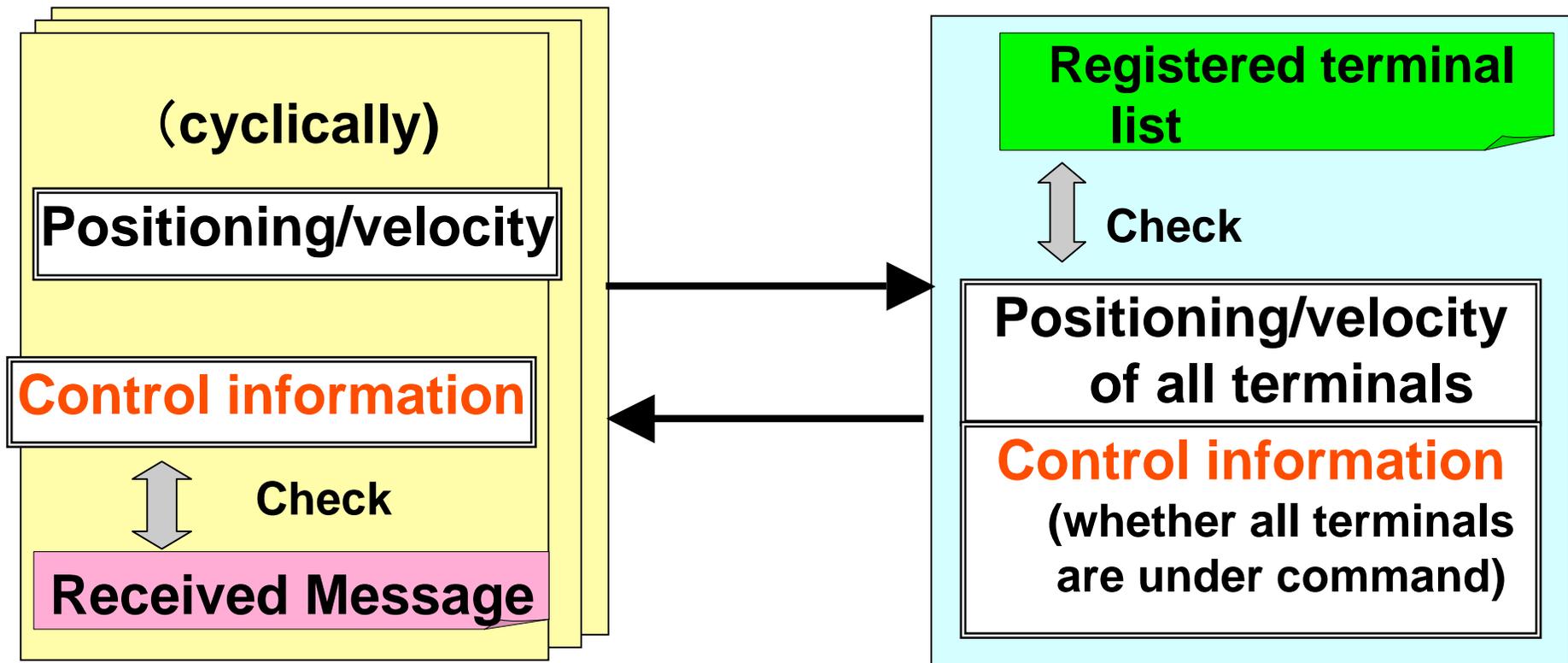
— Enhancement of positioning accuracy —



System Safety

Wayside terminals

Central management



Fail-safe

Maintenance Staff Protection System (safety-related system)

