CONTENTS

SUMMARY

Efforts on Universal Design in Railway Stations

Makoto NAKASO 1

JRTT has been constructing railway stations under the basic principles of UD. JRTT has conducted its user questionnaire survey on the Tsukuba Express line constructed by JRTT for the purpose of evaluating the effect of UD objectively. Meanwhile, JRTT has held hearings at Kumamoto station of the Kyushu Shinkansen to exchange opinions with its users in order to take into account their opinions on UD. This paper reports these efforts made by JRTT.

Car Design of East Japan Railway Company

Tomoyuki ENDO 4
Takeshi KAWAMURA

New type cars, which JR East has introduced in recent years, have been developed standing on the design concept of the human-friendly car and the improvement of service to customers. JR East adopts the philosophy of universal design all over car design aiming at manufacturing cars comfortable and convenient to whole customers including disabled persons and persons with low standing height. The characteristics of car design are described in this paper.

Commemorating Fifty Years of Container Rail Transport

Nazoou MAEDA 7
Akira AZAMI
Satoshi FURUSAWA

Japan's container rail transport, began in 1959, celebrated its fiftieth anniversary in 2009. Over the years, the social environment has undergone many changes. To cope with the changes, the rail transport has also made various endeavors to modernize. As a result, most of Japan's rail freight today is transported by containers. This article gives an overview of the development of Japan's container rail transport in the last half century.

Using Operation Data to Synergistically Enhance the Skills and Morale of Train Drivers

Kinya TANI 11

Our trains are equipped with an onboard device to record the driver's operation. The data obtained from this device are used in various ways to enhance the skills of drivers, motivate them and share the technological know-how among them. These data have also contributed immensely to the prevention of accidents. This paper reports the effect of using the device.

Equipment Strengthening and Other Improving Measures for Tracks of East Japan Railway Company

Hiroaki TAKESHIMA 13

JR East started the challenge with the slogan "JR East Vision 2020 -idom-" since March 2008, to face the changing management environments and to secure future growth. In the track maintenance fields, such development measures as strengthening equipment, utilizing machines for works and inspecting through tools, have been taken to improve safety and reliability and to have better work systems. Some of them are described in this paper.

Renovation of Maintenance of Electric Equipment

Hiroyuki KINAMI 16
Koichiro HONDA
Takayoshi NOBUHARA

This paper reports on "the most suitable inspection method", "reduction of maintenance work volume", "safe and efficient replacement works" and "curtailment of downtime", which have been executed by JR West under the renovation of maintenance methods of electrical equipment.

TOPICS

Railway International Standards Center Started
Hiroshi TANAKA 19

TOPICS

The 46th Railway Cybernetics Symposium
Ikuo WATANABE 21

R & D POINT
Institute of Transportation Economics
Ikuya SHIRIBIKI 22

FACTS & ANALYSIS
Change of Quantity of Rail Freight Transport in Japan
Japan Railway Engineers' Association 23

NEWS
To the Readers
Takao SHOJI 25