

## Message from Managing Editor



In October 2024, the Shinkansen celebrated its 60<sup>th</sup> anniversary. To mark this occasion, this issue presents two articles focusing particularly on recent technological challenges in the Shinkansen. We hope these articles will help you appreciate how the Shinkansen has continuously evolved in response to societal and environmental changes, as well as technological advancements. Additionally, they highlight the significant technical contributions of RTRI with its unique and exceptional facilities and numerical simulation techniques.

(Photo: in front of the 951 Series Shinkansen test train, manufactured in 1969, which achieved a speed of 286 km/h in a running test in 1972, setting the world railway speed record at that time.)

**Hisayo DOI**  
Managing Editor  
General Manager (International Affairs),  
Research & Development Promotion Division

### Ascent No. 16 March 2025

<b>Editor-in-chief</b>	Kitomoshi ASHIYA (Executive Vice President of RTRI)
<b>Managing Editor</b>	Hisayo DOI (General Manager (International Affairs), Research & Development Promotion Division of RTRI)
<b>Publisher</b>	Railway Technical Research Institute
<b>Address</b>	2-8-38 Hikari-cho, Kokubunji-shi, Tokyo 185-8540, JAPAN
<b>URL</b>	<a href="http://www.rtri.or.jp/eng">www.rtri.or.jp/eng</a>
<b>Contact us</b>	International Affairs, Railway Technical Research Institute
<b>Mail Address</b>	<a href="mailto:International_development@rtri.or.jp">International_development@rtri.or.jp</a>
Copyright ©2025 Railway Technical Research Institute All rights reserved	

Front cover photo: Low-Noise Moving Model Test Facility