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# Railway Technology Avalanche

Newsletter on the Latest Technologies Developed by RTRI No. 2

Railway Technical Research Institute  
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## So as to Correctly Receive the Following Issues of "Railway Technology Avalanche"...

"Railway Technology Avalanche" will definitely be with you whenever published. But I understand you are quite active, therefore, I also imagine that you could occasionally fail to get it when your address where you can the most easily receive it is suddenly changed. Would you please contact the editor at [www-admin@rtri.or.jp](mailto:www-admin@rtri.or.jp) through e-mail so that he can bear in mind your name, title as well as regular-mail and e-mail addresses. The information on you as a recipient of "Railway Technology

Avalanche" will carefully be updated in the mailing list to be re-prepared and its following issues will end up with being at you without any inconvenience.

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## Foreword

**Tanaka, Hiroshi**  
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Driven by the rapid development of information technologies, the globalization of information and communication is further advancing, no matter whether it is welcomed or not.

I am firmly convinced that global sharing of information is highly welcomed at least in the field of R&D of railway technologies. Since railways are developing as an international network beyond national borders, comprehensive and quick efforts to gather the information on the state-of-the-art technologies are essential not only for the daily management and maintenance of railway systems but also for the decision-making process on the phases of planning, design, and construction. Effective and continuous exchanges and sharing of information will save us time and cost for the R&D of new technologies and contribute to tightening mutual understanding among different railway systems in different countries.

With this newsletter, RTRI is trying to distribute briefly and quickly the essence of the latest R&D results at RTRI. Furthermore, RTRI is expecting that this "avalanche" might induce another avalanche of information somewhere. RTRI will keep issuing the newsletters for this purpose.

If similar activities are started somewhere around the world,



it will always be welcomed. I do hope that an avalanche of information on railway technologies will sweep our society in a broad range.

The text of "Railway Technology Avalanche" will also be available on our web-site <http://www.rtri.or.jp/index.html> shortly.

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Tanaka, Hiroshi, Mr.