

RTRI-DBST Symposium on Micro-Pressure Waves and New Research Collaboration

On September 22 and 23, RTRI co-hosted, with DB Systemtechnik GmbH, “Symposium on Micro-Pressure Waves” in Munich, Germany. During the symposium, the top management of both institutes had a meeting on R&D management and signed an agreement to start a new round of research collaboration in the field of braking technology.

Since September 2014, RTRI and DBST have been conducting collaborative research on tunnel micro-pressure waves. As it has been a year since this collaborative research began, the two organizations held “Symposium on Micro-pressure Waves” to review the outcomes.

This symposium provided an significant opportunity where the researchers were able to share their views and information with the world’s top-level invited experts as well as to report the results of the collaborative research. 10 people including President Kumagai, Executive Director Watanabe and Dr. Iida, Principal Researcher of Environmental Engineering Division participated from RTRI, and from DBST, 16 people attended, including Managing Director, Mr. Hans Peter Lang, Dr. Nils Dube, top of driving system, air-conditioning, EMC and aerodynamics division, and Dr. Thorsten Tielkes, top of acoustics, noise, and aerodynamics. In addition, more than 50 people joined from University of Dundee of UK, German Aerospace Center (DLR), the Technical University of Munich, East Japan Railway Company, Bombardier, and Siemens.

At the beginning of the symposium, Mr. Lang and Dr. Kumagai delivered welcome speeches. Dr. Kumagai explained the significance of this collaborative research and major objectives of the symposium and introduced the technical challenges to enhance railway values which RTRI’s researchers are currently addressing. In the following session, 14 presentations were delivered by Dr. Iida, Dr. Tielkes and other researchers. These presentations outlined various matters regarding micro-pressure waves in Japan and Germany, including problems to be solved, measurement methods, and regulations concerned.

During the period of this symposium, Dr. Kumagai, Mr. Lang, and other management people of both institutes had a meeting on R&D management and shared information on how to plan and manage the research projects. In addition, they agreed to start a new round of collaborative research in the area of evaluation and improvement of vehicles’ braking performance, and Dr. Kumagai and Mr. Lang signed the agreement. Both parties also confirmed that, in the near future, they would extend the collaborative research to the fields of collision safety, risk analysis and evaluation, and efficient maintenance technology.



President Kumagai delivers a welcome speech



Symposium on Micro-Pressure Waves



Signing the agreement for the collaborative research