

## **RTRI and the National Science and Technology Development Agency of Thailand Co-Host Railway Technology Forum**

The Railway Technical Research Institute (RTRI) and the National Science and Technology Development Agency of Thailand (NSTDA) co-hosted Railway Technology Forum for strengthening mutual technical collaboration between the two parties on November 22, 2023, at Thailand Science Park in the suburbs of Bangkok. The forum was attended by five people from the RTRI and approximately fifty people from Thailand, including Dr. Asira Fuongfuchat, Deputy Executive Director of the NSTDA.



Participants from NSTDA and RTRI

1. Date: November 22 (Wed), 2023, from 9:00 to 14:00 (local time)
2. Venue: Thailand Science Park (located in the suburbs of Bangkok)
3. Background and Outcome of the Forum

Since the RTRI and the NSTDA concluded a technical cooperation agreement on July 1, 2021, even under the travel restrictions imposed by the pandemic, the two parties continued information exchange between experts online every four months.

In the long-awaited Railway Technology Forum finally held face-to-face, the RTRI and the NSTDA gave three presentations respectively (see Table below). Each presentation was followed by lively and informative discussions with many questions and answers.

In the final presentation, Dr. Miyauchi of the RTRI reported what they had done so far in the course of our specific collaborative project (Technical Cooperation with NSTDA and RTRI), and subsequently, we agreed that we would continue to have meetings online every four months and that we would hold face-to-face technology forums annually.

## Program of the 2023 RTRI and NSTDA Railway Technology Forum

Time	Event
9:00-9:15	Opening remarks Asira Fuongfuchat, Deputy Executive Director, NSTDA Toru Miyauchi, Associate Director (International Affairs), Research and Development Promotion Division, RTRI
9:15-9:40	Presentation 1: Study on bogie strength design considering seismic motion Masakazu Takagaki, RTRI
9:40-10:05	Presentation 2: Modernizing load-bearing structure design of railway bogies through computational simulation Ekkarut Viyanit, NSTDA
10:05-10:20	Break
10:20-10:45	Presentation 3: Rail fastening systems and buckling of continuous welded rails Shingo Tamagawa, RTRI
10:45-11:10	Presentation 4: Rail track predictive maintenance Panadda Sheppard, NSTDA
11:10-11:35	Presentation 5: Computational simulation for understanding rail dynamics safety Asst. Prof. Panya Kansuwan, King Mongkut's Institute of Technology Ladkrabang (KMITL)
11:35-12:00	Presentation 6: Current activity of ISO/TC269/SC1 "Infrastructure" Ryuichi Yamamoto, RTRI
12:00-13:00	Lunch
13:00-14:00	Presentation 7: Technical cooperation with NSTDA and RTRI Toru Miyauchi, RTRI
14:30-16:30	NSTDA Lab Visit
18:00-20:00	Dinner



Dr. Asira Fuongfuchat of NSTDA (Left) and Dr. Toru Miyauchi of RTRI (Right) exchanging gifts



Railway Technology Forum