

2025 No. 4	Technology	Technology Development Initiatives
	Advanced Course	



Energy conservation rolling stock



Platform screen doors



Infrastructure

KEY POINT

By learning the process and examples of technology development, you will be able to use them as a reference when doing so.

OVERVIEW

Since the introduction of the world's first energy conservation rolling stock that combines a chopper-controller and a regenerative braking system in 1971, Tokyo Metro has been promoting technical development in various fields.

We will introduce the history of technology development, recent trends, examples of technology development, the process of technology development, and the contents of field tests and introductions.

LECTURE CONTENTS

1) History and recent trends of technology development

- The history of urban railway technology development in the past 50 years and the trend of technology development in recent years

2) Examples of technology development

- Examples of technology development in technical fields (rolling stock, infrastructure, and electrical facilities)

3) Process of technology development

- Processes required for technology development and details of implementation

4) Field test, introduction details

- Contents of field tests and introductions on railway operating lines

KEY DETAILS

Dates and Times

February 4 and 6, 2025 (The same content will be presented on each day.)

-February 4, 2025, 5:00 p.m. JST / 9:00 a.m. CET / 3:00 a.m. EST <Duration: 2 hours>

-February 6, 2025, 9:00 a.m. JST / 1:00 a.m. CET / 7:00 p.m. (5th) EST <Duration: 2 hours>

Targets

Advanced Course: for those who have 3 years or more experience in the railway industry.

Location

Online (Microsoft Teams)

Language

English

Lecture Fee

20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately.

* Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.

Certificate

Attendance Certificate (digital) will be issued.

LECTURER



YOSHIKI SHIMIZU

Joined 2006. Engaged in planning, design, and maintenance of railway facilities, introduction of new technologies, and international procurement of goods. He acted as the test manager for the field test for the introduction of the stationary energy storage system for emergency driving.

More Info and application



<https://sites.google.com/tokyometroacademy.com/index>

You can apply regardless of your field.