

ONLINE COURSE

2022
No. 4

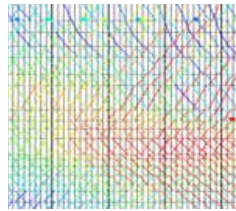
Train Operations 1

 Advanced Course

Effective Method for Enhancing Punctuality



Train delays



Evaluation & Analysis



Train timetable



Rolling stock



Platform, etc.

Improvement measures

KEY POINT

By learning concrete examples of Tokyo Metro improvements, you will be able to use them as a reference when considering solutions to delays.

OVERVIEW

On the Tozai Line, Tokyo Metro's busiest line, we will introduce a series of processes that have improved punctuality in train operations through a combination of various measures based on the results of train delay surveys. The measures which have been implemented include analysis by Buffer Index (evaluation index of train delay quality), reviews of train timetables, changes of station operations, and improvements in various facilities.

LECTURE CONTENTS

1) Overview of train operations

- Overview of train operations on the nine Tokyo Metro lines, and transport records

2) Transport planning basics

- Basic concept of creating train timetables
Prerequisites (line conditions, rolling stock and ground equipment, number of passengers, etc.)
Setting of running time, station dwell time, running headway, etc.

3) Evaluation and analysis methods for delays

- Detailed analysis and evaluation using Buffer Index based on the overall picture of delays from train operation performance data and field survey results

4) Improvement measures for train delays

- Implemented measures including reviews of train timetables, changes of station operations, improvements in various facilities (signaling, rolling stock, station facilities) and their effectiveness (44% improvement on max delay time) to improve the delay on the Tozai Line, the busiest Tokyo Metro line, based on the analysis and evaluation results

KEY DETAILS

Dates and Times

- October 13th, 20th, and 27th, 2022 (The same content will be presented on each day.)
 - October 13th, 2022 3:00 p.m. JST / 8:00 a.m. CEST / 2:00 a.m. EDT <Duration: 3 hours>
 - October 20th, 2022 7:00 p.m. JST / 12:00 p.m. CEST / 6:00 a.m. EDT <Duration: 3 hours>
 - October 27th, 2022 7:00 a.m. JST / 12:00 a.m. CEST / 6:00 p.m. (26th) EDT <Duration: 3 hours>

Targets

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

Location

Online (Cisco webex)

Language

English (Lectures will be in English. Q&A and panel discussion will be conducted with the help of JP<->EN interpretation.)

Lecture Fee

45,000 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



KOHEI USHIDA

Joined 1984. Based on his experience as a station attendant, conductor, train driver, traffic control dispatcher, transportation planner, and driver trainer, he has worked on a variety of overseas projects. He also contributed to the development of the Buffer Index.

More Info and application



https://www.tokyo-metro.jp/lang_en/corporate/tokyo_metro_academy/

You can apply regardless of your field.