

Octopus, Single Journey Smart Card (SJSC), and the next

Course Code: SC 18-005

17 Mar 2018, 9:30 a.m. to 12:30 p.m.

Introduction

Ticketing is the key for public transport operators to collect fares from the passengers. Two major contactless smart cards, namely Octopus and SJSC are widely used in Hong Kong. In this course, the speaker will share details of the ticket media used in MTR and introduce major trends for ticketing in Automatic Fare Collection (AFC).

Programme Objectives

This course aims to equip participants with knowledge on Octopus and SJSC including their usage, technical details, card lifecycle etc. In addition to the two contactless smart cards, new QR code ticketing model in MTR will be introduced. Lastly, participants will be able to know future ticketing trends in AFC through this course.

Learning Outcomes

Upon completion of this course, the participants are able to:

- Tell the two types of ticketing media: SJSC and Octopus, and their usage in MTR and Hong Kong
- Gain understandings regarding technical details and lifecycle of Octopus and SJSC
- Understand new ticketing model and QR code ticketing in MTR
- Know the future model and ticketing trends in AFC

Who Should Attend

Engineering practitioners in developing smart card based on AFC system

Language

Cantonese with English terminologies (with presentation slides in English)

Venue

MTR Academy - Hung Hom Centre, Kowloon, Hong Kong

Mode of Learning

Class lecturing

Programme Structure

This course comprises of the following main topics:

- MTR AFC system architecture
- Fare products and usage in MTR and Hong Kong
- Technical Aspects of Octopus and SJSC
- Card Lifecycle
- QR code ticketing model in MTR
- Future ticketing trends

Speaker



Eric Yeung
BSc Eng, MBA,
MSc ITM, MIET

Eric is working as the AFC & SAMS Engineering Manager in MTR Corporation Ltd. (MTRCL). He is responsible for design and other technical matters of Automatic Fare Collection System and Security Access Management System in operation. A Chartered Engineer by profession, he currently leads a team of more than 50 professional engineers. He began his career in ticketing system in 1993 and acted as a Lead Designer for implementing Octopus System in Hong Kong for MTR until 1997.

In 2007, when the 2 railway companies in Hong Kong merged, he played the role of System Architect (for MTR) to integrate the 2 ticketing systems. He also acted as the technical leader for upgrading the single journey ticketing systems for Airport Express Line (2008) and Metro Lines (2013) from a magnetic based to a smart card based system.

Certificate of Attendance

Each participant will receive a certificate of attendance showing 3 hours upon successful completion of this programme

Programme Fee	Early Bird Fee	Discount Scheme
\$1,000	\$900 (Paid registration on or before 3 March 2018)	15% off for <ul style="list-style-type: none">– members of supporting professional bodies *– full time staff of MTRCL and its subsidiary companies (Ngong Ping 360, Octopus and TraxComm)

* Supporting professional bodies are: Hong Kong Institution of Engineers (HKIE), The Institution of Engineering and Technology (IET), Society of Operations Engineers (SOE), China Hong Kong Railway Institution (CHKRI), Hong Kong Quality Management Association (HKQMA), Six Sigma Institute (SSI), Hong Kong Institute of Environmentalists, Literati Academy of Greater China (Lagreach) and The Hong Kong Institution of Engineering Surveyors (HKIES).

Application Methods

Online

Applicants can enrol and pay online <https://www.mtracademy.com>

Enquiry in Person

Address: MTR Hung Hom Building, 1/F., 8 Cheong Wan Road, Hung Hom, Kowloon

Opening hours: Mon, Wed and Thu: 1:30pm – 2:30pm; 3:30pm – 7:30pm; Saturday: 9:30am – 12:30pm

Closed on Sunday and Public Holiday

Payment method

Credit card (via online)

Closing Date for Registration

Please note that due to limitations of venue capacity and relevant logistics, all registrations must be made at least 2 working days prior to the delivery date of individual modules. No walk-in registration will be entertained.