

Technology Series: Virtual Reality Applications in Transport Industry

Course Code: SC19-021

18 October 2019 (Friday), 7:00 pm – 10:00 pm

Introduction

Virtual Reality (VR) is changing the way people interact with the world. With its dramatic growth VR is predicted to be a main stream in the world. This course is designed for people who are new to VR, and are interested in learning fundamental concepts and related applications of VR technology, just by trial & experiencing VR to get started.

Programme Objectives

1. To provide a basic understanding of VR technology
2. To give a demo & trial of VR applications in railway and transport trainings
3. To discuss the benefits & limitations of VR and other similar technologies

Learning Outcomes

Upon completion of this course, participants are able to:

- Understand the basic principles of a VR system
- Experience the applications of VR in training with demo
- Appreciate the pros and cons of VR technology, and possible alternatives for use

Who Should Attend

Anyone who is interested in virtual reality and related applications

Prerequisite

Tertiary, Senior Secondary or above eligible to enrol*

Language

Cantonese (with presentation slides in English)

Venue

MTR Academy - Hung Hom Centre, Kowloon, Hong Kong

Mode of Learning

Classroom lecture, discussion, demo and trial

Programme Structure

The course includes the following major topics:

- Fundamental of VR and Comparison with other technologies
- Applications of VR and the latest technologies
- Experience Sharing/Case Study - VR Applications in Railway and Transport Training, including demo and trial
- Challenges & issues associated with VR in transport system development

Speaker



Alan Choi,
MPhil, BEng (Hons),
LLB, CEng, RSO

Alan is currently the Human Factors and Risk Engineer in MTR Corporation Ltd., with more than 15 years of experience in safety & quality management. He has started his first study on Virtual Reality (VR) in the University of Hong Kong in 2001. Recently he has designed and developed various VR applications in Railways Safety Experience Centre for Operations Training Department of MTR.

Alan is a Chartered Engineer by Engineering Council (UK) and a Registered Safety Officer by Hong Kong Labour Department. He holds a Research Master degree (MPhil) specialized in Safety & Ergonomics from the University of Hong Kong. He also possesses Bachelor of Engineering from the University of Hong Kong and Bachelor of Law from the University of London. He is also a System Auditor, Six Sigma (Green Belt) and Lean Leader.

Certificate of Attendance

Each participant will receive a certificate of attendance showing 3 hours upon successful completion of this programme. (Remarks: This course equivalents to 15 CPD points as accredited by CILTHK.)

Programme Fee	Early Bird Fee	Discount Scheme
\$300	\$270 (Paid registration on or before 4 Oct 2019) <i>^Rounded up fee</i>	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)– full-time students (Tertiary, Senior Secondary or above)

* 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), The Hong Kong Institution of Engineering Surveyors (HKIES) and The Chartered Institute of Logistics and Transport in Hong Kong (CILTHK)

Application Methods

Online

Applicants can enrol and online payment by credit card at <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; Sat: 9:30am – 12:30pm

Closed on Sunday and Public Holidays

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 the course. No walk-in registration will be entertained.

*MTR Academy reserves the right to turn away successfully enrolled individuals who do not meet prerequisite.