

CPD Series: AI-TRIZ: Empowering Innovation through AI-enhanced Problem Solving

Course Code: SC 24-016

12 October 2024 (Saturday), 9:30 am – 12:30 pm

Co-organized with Six Sigma Institute

Objectives and Learning Outcomes

TRIZ, a Russian acronym for "Theory of Inventive Problem Solving", is a major methodology for improving existing products or services, creating new ones, or finding breakthrough solutions.

AI-TRIZ is a new approach that combines TRIZ with AI techniques such as natural language processing, such as ChatGPT, Claude, Bing, etc., computer vision, and machine learning. Upon completion of this course, participants will be able to:

- Find relevant information and examples from various domains and sources.
- Generate graphical representations of problems and solutions or photos.
- Discover wider solutions in the virtual world on top of internal experience.
- Generate new ideas and alternatives.

Who Should Attend

Anyone who wants to learn how to use AI to assist the use of TRIZ for new design of products or services.

Pre-requisites

No prior knowledge of TRIZ or AI is required. However, some basic familiarity with problem solving and design thinking would be helpful. *

Language

Cantonese with presentation slides in English

Mode of Learning

Classroom lecture, discussion and exercise with AI tools

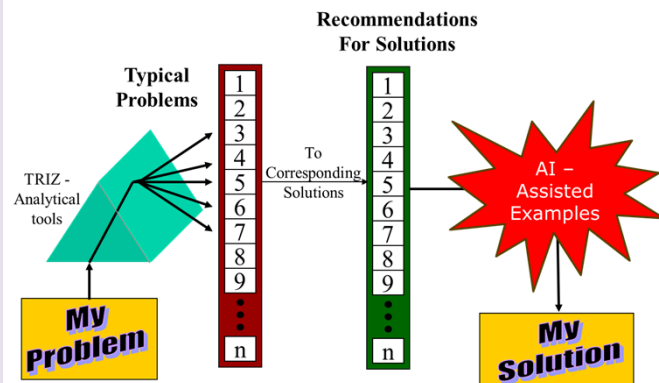
Venue

MTR Academy - Hung Hom Centre, Kowloon, Hong Kong

Programme Structure

This course includes the following major topics:

- Introduction to TRIZ and its basic concepts
- Introduction to AI and its applications in TRIZ
- How to use ChatGPT, Claude and Bing to search for information and examples
- How to create graphical representations of problems and solutions
- How to analyze data and find patterns
- How to generate new ideas and alternatives



Professional Speaker



Ir Dr YK Chan
FHKIE, Certified TOC
Expert, POST-DOC
(OXFORD),
EngD (WARWICK),
DMt (IMC/SCU)

Ir Dr YK Chan learned the innovative project management techniques from the Founder, Dr. Goldratt in Israel. He is one of the few Critical Chain Project Management (CCPM) Practitioners certified by the Theory of Constraint International Certification Organization (TOCICO, www.tocico.org).

Dr Chan promotes the theory and application of CCPM in Asia and Greater China and organizes certification examination for the TOCICO in Hong Kong and China.

Currently, he is the Chairman of Six Sigma Institute, the CEO of Global Institute of Management and the Managing Director of SBTI-HK Co. Ltd. He is also a Registered Engineer, Six Sigma Master Black Belt and Lean Specialist.

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 |
|---------------|--|--|
| \$780 | \$702 (Paid registration on or before 29 September 2024) | 15% off for <ul style="list-style-type: none">members of supporting professional bodies^full-time staff of MTR and its subsidiary companies^full-time students (Senior Secondary or above) <p>^ Latest details, please refer to our webpage</p> |

Application Methods

Online

Applicants can enrol and pay online by credit card at <https://www.mtracademy.com>

Enquiry in Person

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

Opening hours: Monday – Friday 9:30am – 7:30pm; Saturday: 9:30am – 12:30pm

Closed on Sundays and Public Holidays

Payment Method

By credit card (online payment)

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.**

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