

Ground Penetrating Radar (GPR) Introduction and Qualifying course for Operators, Engineers, Surveyors & Project Managers

探地雷達測量應用 (適合操作員、工程師、測量師及工程經理等)

**Eligible for Application for
HKIUS Membership
UTI has Over 500 students
since launching at 2001**

(Meeting the competence level (Operative) of HKIUS requirements on CCTV)

Course Type	Date
Foundation Certificate Course – 入門課程 (2 Days) - indoor training [Total: 14 CPD hours] Max. 30 candidates	Please refer to website for update news !
Professional Certificate Course – 達資課程 (10 Days) - indoor training (35 hrs) + Practical, report & exam (49 hrs) [Total: 84 CPD hours] Max. 24 candidates	

2 days – 14 hours
 or
 10 days – 84 hours

Course Objectives:

The course is designed to provide engineers, surveyors, operators & managers with essential theoretical and practical knowledge in Ground Penetrating Radar (GPR), as one of the geophysical methods, to meet the increasing demand in civil engineering application, such as utility mapping, asphalt pavement condition monitoring, moisture seepage in concrete. etc.

Upon completion of the Course, students should be able to:

- understand the basic theory of GPR,
- operate GPR equipment
- have full understanding of interpretation of GPR data

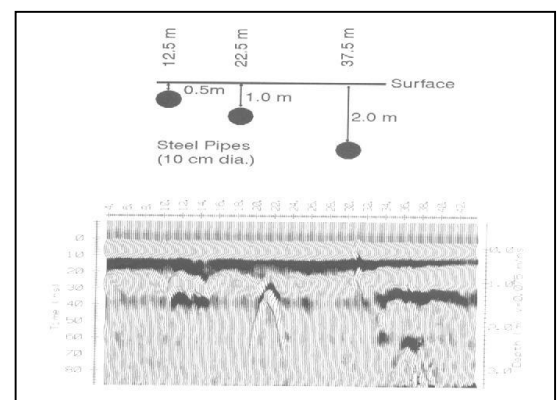
Course Contents:

Lectures

- Basics of GPR Theories & working knowledge
- Application of GPR in a wide range of scientific and engineering disciplines
- Limitations of GPR applications
- Void detection by GPR
- GPR for utility detection & potential areas of dispute

Hands-on Practice

- Operation of GPR equipment to identify the location and depth of underground utilities



UTI has been providing trainings to participants include those from government departments, consultants, contractors, surveyors, utility specialists, etc

About the Instructors

Ir Dr. King Wong, FHKIUS, RPUS, FIIUS, FIMechE, FCIWEM, CEng, FHKIE, R. P. E, FHKIHT, CFIOSH, FBCS, FCIWEM, Accredited mediator

King has over 20 years experiences working with underground utilities inspection, Surveying and Mapping using CCTV, PCL, LNC, GPR, Gas Leak Detector, etc and data management by GIS.

King was a visiting lecturer for utility survey and management, project management and infrastructure management at the Hong Kong Polytechnic University, Open University and The University of Hong Kong.

Mr Zico Kwok, FHKIUS, RPUS, BBA, HiDip(Eng)

Zico has over 20 years experiences with underground utilities inspection, Surveying and Mapping using CCTV, PCL, LNC, GPR, Gas Leak Detector, etc and plot data in GIS. He is a competent person under Electricity Supply Lines (Protection) Regulation, Cap406H and F&IU (Confined Space) Regulation, Cap59.

Zico was a visiting lecturer for Underground Cable Detection course of the Hong Kong Polytechnic University.

Mr Jim Ko, RPE, MHKIE, FHKIUS

Jim has over 15 years' experience in this field with keen interests on CCTV & ME Surveys, Pipe Lining and civil engineering works. Jim is the Project Manager of Freyssinet Hong Kong Ltd.

Course Fee

Foundation Certificate: HK\$2,500 per student (A special offer at HK\$2,300 will be given to a group of 4.)

Course participants will be awarded with an Attendance Certificate only.

Professional Certificate: HK\$12,000 per student (10 % discount for a group of 4 or above)

Course participants will be awarded with an Attainment Certificate if pass the examination.

Course Requirement

Student who wish to apply for the course should posses F.5 or above qualification and is now working in the utility-related industry.

Registration

Please send the **APPLICATION FORM** and cheque (payable to **UTI (International) Limited** to *Unit 209, 2/F., Favor Industrial Centre, 2-6 Kin Hong Street, Kwai Chung, NT.*

For enquiry

Utility Training Institute, UTI
Tel : 2690 3899
Email : info@uti.hk

For details, please visit
www.uti.hk

Course Schedule

Day 1 & 2 (For Professional & Foundation & Professional Certificate)

Day 1	Indoor training – GPR Survey Introduction
Day 2	Indoor training – GPR Survey application & Case studies

Day 3 - 10 (For Professional Certificate)

Day 3 – Day 7	Site Practice & Data Analysis
Day 8	Indoor training – Interpretation of GPR Data
Day 9	Indoor training – Report preparation
Day 10	Indoor – Data Analysis, Review and Examination

