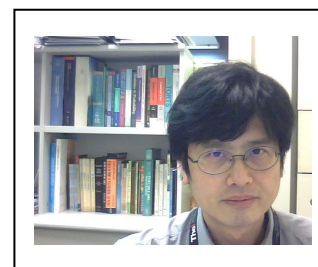


**NAME** Timothy Kwan Fai CHAN (陳君輝)

**PROFESSION** Civil, Structural, Geotechnical Engineer,  
Management Consultant and Writer

**CURRENT POSITION** Lecturer



**QUALIFICATIONS** Manchester Metropolitan University and The University of Hong Kong – Graduate Diploma in English and Hong Kong Law (Common Professional Examination), July 2019.

University of Warwick - Master of Science in Programme and Project Management, Dec 2017.

The Chinese University of Hong Kong - Master of Arts in Religious Studies, Dec 2004.

The University of Hong Kong – Postgraduate Diploma in Construction Law and Arbitration, July 2001.

Hong Kong Polytechnic - B.Eng. (Hons.) in Civil Engineering, Nov 1993.

Corporate Member of The Hong Kong Institution of Engineers (Civil), August 1999.

Registered Professional Engineer (Civil), February 2001

Member of Hong Kong Institute of Facility Management, Mar 2006

Associate Member of Hong Kong Institute of Patent Attorneys, Jan 2015

ISO9000: 2000 Series Auditor/Lead Auditor Training Course

Certificate in Estate Management

The Hong Kong Management Association

Certificate in Management Accounting-Budgeting and Planning

Completed Intellectual Property Training by HKIPA:

- International Patent Fundamentals
- Product Design and Development Management
- Fundamentals of Patent Drafting

Certificate in Translation and Interpretation

**SERVICE** Assessor for HKIE Professional Assessment – 2010/2011, 2019 to Date

**PUBLISHED** 小說《略有一點力量》，March 2010

**AWARDS** Script for film〔戲劇高級組〕, Young Literature Award〔青年文學獎〕, The University of Hong Kong and The Chinese University of Hong Kong. 26<sup>th</sup> January 1992.

Short Fiction〔小小說高級組〕, Young Literature Award〔青年文學獎〕, The University of Hong Kong and The Chinese University of Hong Kong. 17<sup>th</sup> July 2005.

**KEY EDUCATION  
AND TRAINING  
EXPERIENCE**

Starting from 2006, I was employed as a part-time teaching staff for deliver international programme of civil engineering, I have over 15 years' experience in education. I have currently employed by THEi as a full time lecturer since 2018. I have experience in deliver different courses to different level of learners. I have also experience in primary school teaching and deliver story writing course.

**KEY ENGINEERING  
EXPERIENCE**

Including the one-year experience I got during my placement year of bachelor course in period from 1991 to 2016, I had engaged in the civil engineering field for more than 20 years. Starting from engineer trainee in P & T Wallace Evan in 1991 to P & T Architects and Engineers Limited, I came across variety aspect of engineering including civil, structural and geotechnical professional. I was involved in both design and site supervision in this field.

**KEY CONSULTANCY  
EXPERIENCE**

From 2016 to 2017, I had engaged in providing management consultancy for construction claim and ADR works.

**KEY WRITING  
EXPERIENCE**

本人曾於一九九一年，獲得小說家也斯肯定本人擁有寫作小說之能。於一九九二年，以《水晶里七號》一文，奪得第十九屆青年文學獎。本人也曾有多篇文章於快報、明報、基督教時代論壇及世界日報刊登。在一九九五年期間，本人於香港電影研究院，進修編劇技巧，並取得編劇文憑。後來參與舞台劇制作，於二零零一年一月四日及五日，假上環文娛中心，上演本人所編之舞台劇——《我愛上了妳爸爸》；二零零二年十二月，假沙田大會堂文娛廳，上演本人編、導之話劇——《為證的百合花》。二零零五，再憑《一隻貓、一隻狗、一個農夫、兩瓶酒》，奪三十二屆青年文學獎。近期出版書籍有，給青少年導向正面思想的小說《略有一點力量》。

# CAREER

## Education, Training and Writing

**Sep 2018 – Date                      Lecturer, Technological and Higher Education Institute of Hong Kong**

- Preparing the course materials and conducting teaching duty of the following degree courses
  - Engineers in Society
  - Sustainability & Infrastructure Design
  - Construction Law and Practice
  - Construction Project Management
  - Civil Engineering construction
  - Geotechnical and Foundation Engineering
  - Geotechnical Engineering Practice
  - Earthwork Engineering
  - Engineering Physics
  - Building and Infrastructure Appreciation

**Jan 2016 – Aug 2018    Part- Time Lecturer, Hong Kong College of Technology**

- Preparing the course materials and conducting teaching of
  - Structural Mechanics under programme of Higher Diploma in Building Technology
  - Structural Mechanics for Civil Engineering under programme of Professional Diploma in Civil Engineering
  - Fluids Mechanics for Civil Engineering under programme of Professional Diploma in Civil Engineering
  - Project Design under programme of BSc (Hons) Civil Engineering, Leeds Beckett University

**Feb 2006 – Aug 2018    Professional Assessor (Part-time), Social Resource Development Institute**

- Preparing the course materials and conducting teaching of
  - The unit ‘Geology & Soil Mechanics’ and ‘Structural Analysis and Design’ of the BTEC’s Higher Certificate courses
  - The unit ‘Fluids and Hydraulics’, ‘Advanced Structural Analysis & Design’ and ‘Design Principles and Application’ of the BTEC’s Advanced Diploma courses
  - The units ‘Construction Technology and Design’, ‘Construction Science and Materials’, ‘Structural Mechanics’ and ‘Graphical Detailing’ of the BTEC’s Certificate courses in Civil Engineering programme.

- Course Leader of the BTEC's Certificate courses in Civil Engineering.
  - Preparing the course materials and conducting teaching of the units of 'Construction Technology', 'Engineering English' and 'Engineering Mathematics' for a programme of Diploma in Civil Engineering.

**Aug 2006 – Jul 2007 Junior Teacher, GT (Ellen Yueng) College**

- Teaching General Study and Drama.

**2003 – 2004 Free-lance Writer and Translator**

**Management Consultancy for Construction Claim**

**Nov 2016 – Aug 2017 Senior Consultant – Himalytics Ltd**

- **Alternative Dispute Resolution for a Project in Cheng Du** – Delay and claim assessment for a combine commercial and cultural heritage protection project in Cheng Du, China. Facilitate negotiation between parties. The approach is to discover the overall story by studying all project documents and materials with giving recommendation of duties allocation of delay between the client and the contractor. The amount of claim by contractor is challenged by the contradiction of manpower resource as submitted with evidence from another source.
- **International Arbitration for a Project in Malaysia** – Provide consultancy for preparation of statement of claim for an International Arbitration for a Project in Malaysia. We help in find out significant issues and evidences for the lawyer on behalf of the client. We structure the overall story by timeline analysis.

**Engineering**

**May 2015 – Nov 2016 Resident Engineer – P & T Architects and Engineers Ltd**

- **The Subsidized Sale Project at Shatin Area 36C** – Construction of three 32-36 storeys residential buildings for Hong Kong Housing Society. I provide T5 supervision of piling and superstructure construction.

**Oct 2011 – Apr 2015 Senior Engineer – David Au & Associate Limited**

- **Secondment to CLPP as a Project Engineer** – Project management of RMU and Transformer Bays construction at various Substations, Cable Trough Construction at Yuen Long 400kV Substation Access Road, Building Conditions Improvement works including maintenance and refurbishment, minor civil modification works and A&A works at various substations. Coordination on cost estimation and settlement with quantity surveyors for all projects.

**Feb 2011 – Sep 2011 Senior Engineer (RSE/T5) – Hyder Consulting Limited**

- **Proposed Residential Development at Lot 2099 in DD109 Ha Ko Po Tusen, Yuen Long** – The project consists of the construction of ten 12-storeys, ten 6-storeys, five 22-storeys buildings and 48 2-/3-storeys houses over a single level of basement with associate landscape site formation and road and drain works. I am responsible for the project co-ordination and T5 site supervision.

**Aug 2009 – Feb 2011 Project Engineer, Jacobs China Limited**

- **MTR Kwun Tong Line Extension** – The project is composed of extension of Kwun Tong Line from Yau Ma Tei to Hung Hom and Ho Man Tin Station. I am leading the tender design of ELS works for Ho Ma Tin Station for a Contractor.
- **MTR TST Station Northern Subway** – The project is construction of an 85m long subway connecting the existing MTR TST Station and the new development “The One”. I am the coordinator of the tendering submission, including design, drawings preparation with the help of one engineer and three Graduate Engineers. It includes design of the subway tunnel and a basement structure of a satellite concourse. I attend all coordination meeting and help in preparing of the tendering report.
- **KTD DCS System, Hong Kong** - The project is to design, build, and operate a District Cooling System (DCS) at Kai Tak Development (KTD) to provide an energy efficient cooling system to all commercial and public buildings within the KTD region in line with the Hong Kong SAR Government’s Policy of reducing carbon emissions. I am the coordinator of the tendering submission, including design, drawings preparation with the help of two engineers and three Graduate Engineers. It includes design of the three underground structures, different civil structures, ELS and pipe jacking design. I attend all coordination meeting and help in preparing of the tendering report.
- **Harbour Area Treatment Scheme Stage 2A** - The project is proposing a sewage conveyance system to collect and convey pre-treated sewage from 8 Preliminary Treatment Works to Stonecutters Island Sewage Treatment Works. I am the leader of the independent design checking tasks with conduct project coordination.

**Apr 2008 – Apr 2009 Resident Engineer, Ove Arup & Partners Hong Kong Ltd**

- **No. 155 Project, Shanghai** – site supervision for a 24 storeys commercial building.

**Oct 2007 – Apr 2008 Resident Engineer (RGE/T3), Greg Wong & Associates Limited**

- **Pak Sha Tsuen, Yuen Long** - Site formation and foundation Supervision and Management of a village housing estate development project.

**Jul 2005 – Jan 2006 Senior Engineer & Quality Manager, T. S. Tam Architects Limited**

- My main duty is supervising three project engineers and two inspectors in management of 40 housing maintenance and alteration & addition projects. As the Management Representative of the company, I set up and manage the ISO9000 and ISO14000 management system of the company.

**Jan 2005 – Jun 2005 Assistant Resident Engineer, Lutheran School for the Deaf**

- **School improvement project** - The project is composed of construction of an annex block rested on pre-bored socketed H-piles foundation and alteration and addition works on the existing school building. My duty is site supervision.

**Jan 2003 Contract Resident Engineer, Greg Wong & Associates Ltd.**

- **Residential Development** - The building designed to be rest on bored piles. Geotechnical works including soil nailed and ELS. My duty is site supervision.

**2001 – 2002 Geotechnical Engineer, Maunsell Geotechnical Services LTD**

- **KCRC: Public Transport Terminal at Tsuen Wan West Station** – I am the Resident Liaison Engineer of the excavation and lateral support works for pile cap construction for four towers and podium platform of the Public Transport Terminal. The deep excavation for raft cap construction of the tower is 8m depth supported by ELS with preloaded struts. The existing Tsuen Wan Bypass is sensitive to variation of water table and movement of soil.
- **Site Safety Supervision Plan for GIFW Scheduled Area for HKHA** – I review and prepare a study report for the current BA requirement and practice of site safety supervision. The report includes the current statutory requirement and the procedure for prepares supervision plan. A training session was prepared for the staff of HKHA on 16<sup>th</sup> April 2002. The main task of the training session is to teach HKHA staff how to prepare supervision plan.
- **Standard Tender Document for GIFW for HKHA** – I prepare a standard tender document for the use of HKHA in ground investigation works. The tender is focused on ground investigation for foundation works that cannot be covered by HKHA's term GI contractors.
- **River Indus Training** - Alternative design for earth embankment for preventing flooding. The original design embankment is composed of imported fill. The design is improved by insertion of geomembrane inside the earth embankment.
- **Secondment to HKHA** – Seconded to HKHA as a Geotechnical Engineer (GE/S1) contribution to the Development and Construction Section for providing technical support and promotion of technical development for HKHA by preparing Database System for Geotechnical Information Search, developing computer program for retaining wall design, conducting software updating coordination and implementing standard drawing review for HKHA for preventing corruption. I am also responsible for project management of PSPS project of KL73 King Tung Street, Kwai Lok THA and Yuen Long Estate and coordination of tackling the queries arising from LPM works.

- **Upgrading Works at Slope in Hing Tin Estate for HKHA** - Responsible for stage 3 studies of the slope no. 11NE-D/C72b, which was required to be treated by fill replacement and soil nailing. Owing to the difficulty of fill transportation caused by site constraint, the job involving a lot of liaison works with relevant government departments, utilities undertaking companies, housing manager and contractor for seeking the way of fill transportation by options of applying traffic diversion with temporary dumping area in the Hing Tin Estate. Liaison with HKHA and GED for reduce the amount of fill replacement by pressure grouting, as a way to ease the fill transportation problem, was also engaged by given as an options design.
- **Tin Shui Wai Area 103 & 104** - Involved in interpretation of newly carried ground investigation with coding the study in evaluation the founding levels of piling for proposal to HKHA.
- **Improvement Works to Slope at Cho Yiu Chuen, Kwai Chung** - Slope works tendering assessment for Hong Kong Housing Society by comparing the tender sum, ability of the tenderers and their past performance records.

**2000 – 2001                      Engineer, C M Wong & Associates LTD**

- **Redevelopment of Tsz On Estate Phase 3 NCC Site** - As a resident engineer supervising a building project for the Hong Kong Housing Department. It includes a 23-storeys community building and permanent enhancement of an existing retaining wall affected by the project and a new earth cut in the vicinity. My main duty is supervision the works of the contractor and carry out all site administration works. I need to attend meeting and liaison with various parties, government departments, utilities undertakers, and the public bodies regularly.

**1998 – 2000                      Engineer, Parsons Brinckerhoff (Asia) Limited**

- **Cyberport to Wah Fu 275kV Cable Tunnel** - As a resident engineer for both ground investigation and construction of the tunnel and the entrance portal. It is an 830m long cable tunnel starting from Wah Fu area to Cyberport. Provide technical support for design of the tunnel.
- **Business development** - Assist the Technical Director in bidding of new jobs for geotechnical group. Assist in setting up technical supporting system for geotechnical group.
- **Bench Mark Study** – Research Study: Comparison of the construction cost of HK with other countries.
- **Cable Landing for Global Telecommunication System** - Provide geotechnical consultancy for a cable landing station of a Global Telecommunication System.
- **Lei Yue Mun Underpass Improvement** - Project management for preliminary design of an underpass under Lei Yue Mun Road.
- **GuangDong NH107 Traffic Study** - Audit, inspection and provide maintenance recommendation for tunnels and slopes along the 200km long Highway NH107 of China.
- **SENT Landfill Geotechnical SVC Agreement** - Provide geotechnical consultancy for landfill development.
- **Aqueducts between Tai Po and Butterfly Valley** - 5/WSD/96; WSD water tunnelling for aqueducts. In Independent Checking Engineer role, my works include slope stability assessment and designs of tunnel.
- **MTRC Tseung Kwan O Extension** - Detail design for Po Lam Station and Hang Hau Station. I involved in geotechnical, drainage and structural design.
- **MRT of Singapore** - Extension of MRT. I involved in design of cross passage tunnels.
- **Strategic Sewage Disposal Scheme** - I involved in planning and design for the new alignment

in Hong Kong Island.

- **Route 16** - Bid for consultancy. I involved in geological study and feasibility study for bidding.
- **River Crossing Project in Shanghai** - Immersed tube tunnel proposed across the WhamPoa River. I involved in temporary open cut design for cut and cover tunnel construction and document translation.
- **Condition Survey for Cross Harbour Tunnel** - Condition survey before handover the franchise back to the government. I involved in supervision and planning for the condition survey.
- **Route 3 Country Park Section Maintenance Audit** - Annual audit as required by the government. I involved in planning and supervision for the condition survey and maintenance audit. I gave recommendation for the future development of the maintenance planning.

**1993 – 1998            Scott Wilson (HK) Limited**

**Aug 97 to Feb 98   Senior Assistant Engineer, Urban Section**

- **Residential development in Area 1, Tuen Mun** - Platform formation for residential use. I involved in preliminary study for the site formation, liaison with government departments and utilities companies, involved in preparation of land resumption works.
- **Cycle Track along Ming Kum Road and Tsing Wun Road** - Cycle track proposed between LRT and the existing pedestrian road. I involved in project administration, planning and design the cycle tracks.
- **HKHA Information Search for Leakage Studies** - Leakage assessment for safety of existing slopes. My main duty is to issue work order to the contractor for carrying leakage detection works.

**Feb 96 to Jul 97   Assistant Resident Engineer, Duplicate Tsing Yi South Bridge CRE Office**

- **Duplicate Tsing Yi South Bridge** - Construction of two main bridges spanning across the Rambler Channel and the associate road works connecting these bridges with the existing road system. I involved in bored pile and caisson work supervision and inspection including predrilling, excavation, safety supervision, geological inspection and mapping. Rock slope mapping. Monitoring work for ground water and settlement. Bridge superstructure supervision including falsework and formwork erection, bearing installation, rebar fixing and concreting. Supervision of submarine outfall diversion. I also involved in progress monitoring and project running control.

**Jun 95 to Jan 96   Assistant Engineer, Urban Section**

- **TM80/93** - Drainage in Area 35; Repairing for a drainage channel and an in-take, which were damaged after a heavy storm. I involved in remedial scheme planning and BQ preparation for tendering of the repairing contract. I involved also in a crib wall design.
- **TM80/93** - Cycle Track; Cycle track construction beside Tuen Mun Nullah. I involved in dwarf wall design, drainage system design, specification preparation & project administration.
- **Hung Shui Kiu Proposal** - Residential Development. I involved in preparation of a fee proposal for tendering a new job.
- **Redevelopment of China Dyeing Works** - Turn the land of the China Dyeing to residential use. I involved in piles and pile-cap design, nullah decking design, temporary steel platform design, rock socket design & stability assessment for nullah wall.



- **HKHA Information Search for Leakage Studies** - Preparation works for utilities leakage detection for slopes safety. I involved in information searching and liaison with corresponding government departments and parties.
- **CLP Interconnection of Utility** - Proposed pipeline for CL&P. I involved in thrust block design.
- **Ngau Tam Mei Treatment Works** - Construction of a new treatment works, a primary service reservoir, associated transfer facilities and an existing WSD vehicular access track upgrading and widening works. I involved in planning and design of geotechnical features (including feasibility study, cost estimation, geological study, stability assessment and structural design) in the access road widening with corresponding retaining wall and soil nailed slope. I involved also in water tunnel alignment design and thrust block design.
- **Ma On Shan Treatment Works** - Construction of a treatment works and the associated access roads. I involved in counterfort retaining wall design.

**Dec 93 to May 95 Assistant Engineer, Geotechnical Section**

- **Route 3 Kwai Chung Viaduct** - I involved in geological study for pile foundation.
- **Ma On Shan Strategic Sewerage Disposal Scheme** - A treatment works with associate access road. I involved in stability assessment for earthworks along the access road, design for retaining walls and rock socket design for bored pile wall.
- **Relocation of Cement Works to T.Y.T.L.199** - Site formation for residential development. I involved in stability assessment for buttress wall and rock slope.
- **Road TY18 in North Tsing Yi** - road construction. I contribute in technical assessment for an arbitration proceedings for allocate the legal duty of settlement of a completed culvert due to additional load from stockpiles left by the contractor.
- **Flyover across Castle Peak Road** - Bridge connecting Sha Tsui Road and Tsuen King Circuit. I involved in site investigation and retaining wall design.
- **Siu Lam Development** - Residential development. I involved in site investigation planning and supervision.
- **Tung Chung Fresh Water Service Reservoir Site Formation** - Site Formation. I involved in stability assessment for proposed slope, additional ground investigation proposal with preparation of sampling pattern, rock socket design for bored pile wall.
- **Grosvenor House Garden Support** - Supporting structure for new proposed garden. I involved in stability re-assessment for an existing retaining wall, planning and supervision of ground investigation, and preparation of geological assessment report.
- **Terminal Development 9** - new container terminal at the Southeast Tsing Yi. Study and design for reduce differential settlement of the proposed seawall due to the wreck of 'The Seawise University'.
- **Ngau Tam Mei Treatment Works** - Construction of a new treatment works, a primary service reservoir, associated transfer facilities and an existing WSD vehicular access track upgrading and widening works. I involved in geological study, ground investigation planning, cost estimation for ground investigation, consultant human resource planning, foundation planning, and supervision in chief for the ground investigation.
- **Ocean Park Engineer Slope Inspection & Maintenance** - Slope inspection & maintenance. I involved in engineer slope inspection planning, engineer slope inspection & inspection report preparation.
- **Po Lam Road Platform Formation** - Site formation for a housing estate. I involved in ground investigation, geological study, and preparation of design packages including cut slope design, fill slope design, soil nailed slope design & cross fall design.

- **General tasks**, I involved in stability assessment for geotechnical features, such as cut and fill slopes, retaining walls (including bored pile walls and caisson walls) ...etc. Soil nailed slope design. Vertical drain design for speed up settlement of formation of site. Settlement study and elimination. Planning for ground investigation scheme and schedule. Site formation design and planning. Supervision and inspection for ground investigations. Engineer slope inspection. Geotechnical study with information searched from existing geotechnical material (e.g. drillhole log, geological map, aerial photos...etc.) Laboratory test schedule planning for samples from ground investigations. Stenographic projection study for rock slope.

**1993 – 1993          Graduate Engineer, Joseph Chow & Partners Ltd**

- I involved in structural design and drawing preparation for high-rise building in Shanghai.

**1993 – 1993          Graduate Engineer, Harries & Sutherland (Far East) Ltd**

- I involved in structural inspection and appraisal for an old public housing, Sai Wan Estate.

**1991 – 1992          Engineer Trainee, P&T Wallace Evans**

- I involved in structural design of retaining walls, footbridges and one storey house. Taking off work in footbridge, site formation project and box culvert, AutoCAD drawing, slope stability assessment, preparation work for utilities diversion, surveying in Hong Kong, Macau and China, and supervision of site investigation.