

Curriculum Vitae

Name:	CHAN SHUN MING, RAYMOND	
Present Position:	Project Manager	
Year of Experience:	39 years	
Nationality:	Chinese	
Languages:	English, Cantonese, Mandarin, and Fukin (Chinese Dialect), and Little French	
Contact Phone	852-94084468	
Email Address	ray_smchan15@gmail.com	

Academic: Qualifications

Master of Science in Applied Geosciences (Engineering Geology Theme, The University of Hong Kong, 2005)

Master of Science in Construction Management (City University of Hong Kong, 2004)

Diploma in Construction Management (Construction Industrial Training Association, 1998)

High Diploma in Civil Engineering (Hong Kong Baptist University, 1980)

Professional Qualifications and Affiliation:

Member of Hong Kong Institution of Engineers (MHKIE, 2012)

Registered Professional Engineer under Engineer Registration Board (RPE, Civil Discipline, 2013)

Member of American Society of Civil Engineers (MASCE, 2006)

Member of Chartered Institute of Building (MCIOB, 2008)

Fellow of Geological Society, London (FGS, 2013)

Practicing Geologist of Professional Branch of Geological Society of Hong Kong (PGHK, 2006)

Editor of Geological Society of Hong Kong

Committee Member of Professional Branch of Geological Society of Hong Kong

(Acted as the Representative of the Society to join the Working Group of Civil Engineering Department of HKSAR for updating the Publication : Geoguide 4 - Cavern Engineering)

Authorized Signatory in Ground Investigation Works Category under Buildings Ordinance, Hong Kong Special Administrative Region.

Approved Geotechnical Engineer in Ground Investigation Works Category under List of Civil

Curriculum Vitae

Engineering Department/ Environmental and Transportation Works Bureau, Hong Kong Special Administrative Region.

Approved Site Agent in Ground Investigation Works Category under List of Civil Engineering Department/ Environmental and Transportation Works Bureau, Hong Kong Special Administrative Region.

Executive Member for Site Investigation Committee (SIC) of Hong Kong Construction Association (HKCA)
(Ex-Vice Chairman for SICC from 2015 to 2017)

Executive Committee Member of Association of Geotechnical and Geoenvironmental (Hong Kong) Specialist
Currently also acted as the Leader for the Ground Investigation Working Group of AGSHK

Member of Advisory Committee for High Diploma Course in Geotechnical Engineering, HKU SPACE (2019 to 2022)

Professional Member of Construction Professionals' Development Centre (MCPDC)

Professional Member (General) of Hong Kong Occupational Safety and Health Association

Member of Association of Engineering Professionals in Society Limited

Employment:

Aug 1994 – Present	Project Manager	Bachy Soletanche Group Ltd
Jan 1994 – Aug 1994	Engineer	
Dec 1987 – Dec 1993	Site Agent	
Nov 1986 – Nov 1987	Site Engineer	Freyssinet Hong Kong Ltd
Feb 1986 – Oct 1986	Site Engineer	Franki PSC Ltd
Apr 1981 – Dec 1986	Assistant Engineer	
May 1980 – Mar 1981	Estimator	Builders Federal Hong Kong Ltd

Experience:

Raymond is the Project Manager of Bachy Soletanche Ltd with more than thirty-nine years of experience in tendering, project management and technical study for projects. He has worked with geotechnical projects in Hong Kong, Southeast Asia and China in ground investigation, directional drilling, instrumentation, piling, ground anchoring, slope greening, site formation, soil and rock grouting, vibroflotation and ground improvement. He has also acted as Quality and Geotechnical Manager and Quality Control Manager for deep cement mixing and foundation projects. He takes lead in quality control and provide technical support to sites for materials like concrete and bentonite slurry, and he closely liaises with the Research and Development Department of Soletanche Bachy Group in France for technical development and quality control for the local group

Curriculum Vitae

in Hong Kong. He has also worked for the introduction and application of the sonic drilling technique from France to Hong Kong. He is currently the Executive Member of Association of Geotechnical and Geo-environmental Specialists (HK), and he is the Group Leader of Ground Investigation Working Group. He is also the Committee Member of Site Investigation Contractors' Committee (SICC) of HKCA, and acted as the Vice-Chairman from 2015 to 2017. He is an approved Site Agent and Geotechnical Engineer under the List of Approved Suppliers of Materials and Specialist Contractors for Public Works GIFW Category. He is also the Authority Signatory (AS) of RSC for GIFW Category under Buildings Department. He also act as the Member of Advisory Committee for High Diploma Course in Geotechnical Engineering, HKU SPACE (2019 to 2022). He serves as the Editor and Committee Member of Professional Branch of Geological Society of Hong Kong (GSHK). On behalf of GSHK, he joined the Working Group of Civil Engineering Department (CEDD) for reviewing and updating the Geotechnical Control Office (GEO) Publication: Geoguide 4 - Cavern Engineering.

Experience in Details

1986 – Present

BACHY SOLETANCHE GROUP LIMITED

Mar 2019 – Present

Quantity Control Manager

HA Contract 20170333 Foundation for Subsidized Sale Flats Development at On Muk Street Phase 1, Shek Mun, Shatin
Bored Pile Construction, Mini pile, Sheet Piling, ELS and Pile Cap Works.

Oct 2016 – Mar 2019

Quality and Geotechnical Manager (Seconded to Bachy Soletanche Sambo Joint Venture)

HKAA Contract No. C3205 – Deep Cement Mixing (Low Headroom) Package 5

Nov 2016 – Jan 2017

Project Manager/Geotechnical Engineer

WKCD Additional Ground Investigation for Developments at the Exhibition Hub Area

Nov 2015 – Feb 2017

Geotechnical Engineer

Foundation Works for Proposed Composite Development at 450-456G Queen's Road West
Ground Investigation, Predrilling, Proof Coring and Sonic Drilling Works

Sept 2015 – Present

Material Technical Controller/ Correspondent

Take Lead in Quality Control, Provide Technical Support to Sites for Materials (Concrete, Bentonite Slurry and Polymer in Excavation.) in Bachy Soletanche Group Ltd, and Liaise with Research and Development Department of Soletanche Bachy Group for Technical Development and Quality Implementation in Hong Kong.

Technical Specialist

Curriculum Vitae

Take Lead in Technical Development and Operation for Sonic Drilling In Bachy Group in Hong Kong.

- April 2015 – Feb 2016 **Geotechnical Engineer**
Contract no CC/2015/3B/026 Foundation Works for Interfacing Carpark and Sewage Pumping Station at West Kowloon Culture District
Ground Investigation, Predrilling, Proof Coring Works and Prebored H Piles.
- Sept 2015– Jun 2016 **Geotechnical Engineer**
Contract No. CC/2013/01/004 West Kowloon Cultural District
Foundation Contract for M Plus Museum
Geotechnical Instrumentation/Monitoring and interpretation reporting, Ground Investigation, Predrilling, Proof Coring and Interface Drilling Works, Roadwork, Grouting, Grouting, Prebored H Pile and Bored Pile Works
- May 2014 – Oct 2014 **Project Manager/Geotechnical Engineer**
MTRC SCL 1103- Central to Shatin Link
Tunnels from Diamond Hill to Hen Keng Station
Ground Investigation, Drilling, Instrumentation Work
- Jun 2013 – April 2014 **Project Manager**
MTR Contract 1101 Wu Kai Sha Station
Wu Kai Sha Overrun Viaduct
Bored Pile Work
- April 2013 – May 2015 **Geotechnical Engineer**
Contract No. CC/2013/01/004 West Kowloon Cultural District
Xiqu Centre (Phase I) Foundation Contract
Geotechnical Instrumentation/Monitoring and interpretation reporting, Ground Investigation, Predrilling, Proof Coring and Interface Drilling Works, Bored Pile and Pile Cap Work
- Oct 2012 – May 2013 **Geotechnical Engineer (Seconded to Vinci Group)**
MTRC SCL 1103- Central to Shatin Link
Tunnels from Diamond Hill to Hen Keng Station
Geotechnical Instrumentation, Monitoring and Interpretation Reporting including Settlement Assessment, Ground Investigation and Predrilling Work
- Mar 2012- Aug 2012 **Project Manager/Geotechnical Engineer**
MTRC 810B, West Kowloon Station
Ground Investigation Works for Seawater Cooling Main Structures

Curriculum Vitae

- Jul 2010 – Jun 2012 **Site Agent (Seconded to BSLOR Joint Venture)**
MTRC 811A West Kowloon Approach Tunnel (North)
Instrumentation, Ground Investigation, Soil Grouting, Dewatering Well
System and Testing, Pipe Pile, King Post, Prebored H Pile and Bored
Pile Work
- Mar 2009 – May 2009 **Geotechnical Engineer (Bachy Soletanche Singapore)**
Reclamation for Pasir Panjang Terminal No. 3 and 4, **Singapore**
Marine Vibroflotation and Stone Column Work
- Mar 2009 – Oct 2009 **Geotechnical Engineer**
Consultancy Service for Foundation Enhancement- Suzhou China
Singapore Industrial Zone, Jiang Suz Province, **China**
Geotechnical Study for Defective Foundation with Excessive Settlement
- Sep 2008 – Jan 2009 **Geotechnical Engineer**
Railway Route-838 Da Zhi Ping Tunnel
Wu Bei Province, **China**
Pipe Roof Installation and Permeation Grouting Work
- Jan 2006 – Nov 2008 **Project Manager /Geotechnical Engineer**
Central Reclamation Phase III Engineering Work
Vibroflotation
- Feb 2008 – April 2008 **Technical Manager (Seconded to Bachy Soletanche Korea)**
New Development or Dry Dock for Shipbuilding,
Ulsan, **South Korea**
Stone Column and Deep Compaction
- Aug 2007 – Jan 2008 **Project Manager/Geotechnical Engineer**
KDB400-Tunnel and Ventilation Building at Jordan Road
Soil Permeation Grouting for Constructed Cofferdam
- May 2007 – Feb 2008 **Project Manager/ Geotechnical Engineer**
KDB300-Tunnel and Ventilation Building at Jordan Road
Soil Permeation Grouting for Constructed Cofferdam
- Feb 2007 – Jun 2007 **Geotechnical Engineer**
Gaolan Island, Zhuhai, **China**
Geological Investigation and Remedial Grouting at C4
Underground Rock Caverns
- Jun 2006 – Dec 2008 **Project Manager / Geotechnical Engineer**
Site Investigation Projects for :
- Polytechnic University Phase 8 Development (Greg Wong)
- Chinese Cemeteries (Fugro)
- Pine Hill, Tai Po (Fugro)
- Nam Cheong Road (LMM)
- No. 12, Mt. Kellet Road (Greg Wong)
- Shui Tsuen Au and Pak Kong (Maunsell)
- Ocean Terminal (Scott Wilson)

Curriculum Vitae

- Ning Po College (Philip So)
- Wah Yan College (Hyder)
- Chai Wan Kok (Siu Yin Wai)
- St. Louis School (James Lau)
- Phase 8 Polytechnic University (Greg Wong)
- G.I. Term Contract 2008-2010 Chinese Cemeteries (Ho Tin / Spence Robinson)
- HK Housing Society Cho Yiu Estate – Rock Slope Joint Mapping and Stereoplot Works (WSP)
- Proposed Student Hostel Polytechnic University- GI Works with Rock Joint Mapping (P&T)
- Buddhist Cemetery at Chai Wan- Rock Slope Joint Mapping (WSP)
- Caritas Bianchi Lodge (Atkins)

Mar 2006 – Jun 2006	Project Manager/Geotechnical Engineer Dung Quat Refinery Offshore Geotechnical Survey, Quang Ngai Province, Vietnam Offshore Geotechnical Investigation
Jun 2005 – Feb 2006	Client Residential Engineer Eramet EMD Project in Cheong Zuo City, Quangxi Province, China Site Formation and Soil Lime Stabilization
May 2005 – Jul 2005	Technical Specialist Soft Soil Treatment of The Breakwater Foundation at Dung Quat Refinery Project, Vietnam Marine Vibroflotation and Ground Investigation
Apr 2005 – Aug 2005	Project Manager Central Reclamation Phase III Engineering Work Land Deep Compaction
Feb 2005 – May 2005	Technical Specialist Chiquita-Unifortti Wharf House Project, Philippines Stone Column Foundation, Marine and Land Site Investigation
Sep 2004 – Jun 2009	Project Manager (Tendering and Technical Support) Tendering Works, Project Planning and Technical Support / Proposal for Local Projects for Piling, Grouting, Soil Improvement, Site Investigation, Geotechnical Instrumentation, Slope Greening and Concrete Repair
Mar 2004 – Jul 2004	Project Manager Contract No. HCC303 CLP Cable Tunnel, Hung Hom Land Site Investigation and Chemical Grouting

Curriculum Vitae

- Sep 2003 – Nov 2004 **Project Manager / Construction Engineer under PNAP 66**
Contract No. ALL 378 SIP Group 4 Final Phase Package 2
Prebored H-pile and Minipile Foundations
- Jan 2004 – Aug 2006 **Project Manager**
Technical Development and Promotion with Japanese Specialists ,
Ratio Corporation, and Project Management for Slope Greening
Works for Projects for Slope Greening and Reinforced System (
Robing Wall System) and Slope Protective Works
- Sep 2003 – Jan 2004 **Project Manager**
Proposed Ding Yuen Pejing Bonsai Arboretum, Stanley
Land Site Investigation
- Mar 2003 – May 2004 **Project Manager**
Marine Term Contract GE/2001/29
Marine Site Investigation
- Aug 2002 – Feb 2003 **Project Manager**
Foundation Enhancement Works at Church Street, **Singapore**
75m deep, Prebored H-piling Works with headroom of 6.5m with
Fully Automatic Geotechnical Monitoring System for Foundation
Underpinning to Stabilize the Building under Subsidence.
- Dec 2002 – Jul 2002 **Project Manager**
Wanchai Police Headquarters
Minipiling and Grouting Works
- Feb 2002 – May 2002 **Project Manager**
Redevelopment of Shek Lei Phase 10
Pre-bored H-piling Works
- Nov 1999 – Jul 2002 **Project Manager**
West Rail Contract CC300 Tsuen Wan Station
Prebored H-piling, Site Investigation & Dewatering Well System
- Jan 2001 – Dec 2001 **Site Agent**
HA/2001 Lei Muk Shu
Pre-bored H-piling, Soldier Piling and Minipiling
- Nov 2000 – Mar 2001 **Project Manager**
TDD Contract 87/98 Wong Chu Road & Associated Interchanges
Improvement Works
Soil Shaft Grouted Minipiles
- Jun 1999 – Aug 1999 **Project Manager**
MTRC 611 Pak Shing Kok Tunnel
Pipe Roof Reinforcement and Grouting

Curriculum Vitae

Jun 1999 – Dec 1999	Project Manager MTRC 601 Hang Hau Station Site Investigation and Chemical Grouting Works
Mar 1999 – Jun 2000	Project Manager MTRC 601 Tseung Kwan O Tunnels and Station Site Investigation, Geotechnical Instrumentation and Grouting Works
Dec 1998 – Dec 1999	Project Manager West Rail Contract DB350 Tsuen Wan & Tai Lam Tunnel Prebored H-piling and Grouting Works
Apr 1998 – Jul 1999	Project Manager Contract HY/97/11 Castle Peak Road Improvement Works Instrumentation, Land and Marine Site Investigation
Jun 1998 – Jun 1999	Project Manager MTRC Kowloon Station Development Remedial Works for Defective Bored Piles, Site Investigation, Prebored H-piling and Soldier Piling
Apr 1997 – Feb 1999	Project Manager Hong Kong Station Development Northern Site Basement Site Investigation and Geotechnical Instrumentation
Jul 1995 – Sep 1998	Project Manager MTRC Contract 501 Hong Kong Central Station & Tunnels Dewatering Well System, Instrumentation, Land and Marine Site Investigation, Pipe Pile Wall and Minipiling
Feb 1997 – Nov 1997	Project Manager KCRC West Rail TS-100 Central Section Land and Marine Site Investigation with Cone Penetration Testing
Feb 1997 – Aug 1998	Project Manager KCRC West Rail TS-300 Central Section Marine, Land Site Investigation with Wireline System for Deep Holes and Horizontal Directional Rock Coring and Drilling Works
Sep 1995 – Dec 1996	Project Manager MTRC Contract 501A Hong Kong Central Subway Dewatering Well System, Geotechnical Instrumentation and Pipe Pile Wall and Minipiling
Aug 1995 – Feb 1996	Deputy Project Manager Cable Route HEC Contract No. 93/8012

Curriculum Vitae

Kennedy Road to Sheung Wan
Directional Rock Drilling and HDPE Pipe Installation for Cabling

- | | |
|---------------------|--|
| Aug 1994 – Dec 1996 | Project Manager / Engineer
Contract No. UA11/91 Central Reclamation
Land and Marine Instrumentation, Site Investigation, Cone Penetration Testing and Minipiling |
| Mar 1994 – Sep 1994 | Engineer
Contract No. HY/92/18 West Kowloon Expressway South Section
Site Investigation and Dewatering Well System |
| Jan 1994 – Aug 1994 | Engineer/Site Agent
Contract No. UA9/91, West Kowloon Reclamation North Area
Phase II Cherry Street
Marine and Land Vibrocore and Cone Penetration Testing
Development for the newly purchased CPT Unit, and Training to the staff. |
| Dec 1992 – May 1993 | Site Agent
Salisbury Garden
Minipiling, Pipe Piling and Grouting Work |
| Jun 1992 – Dec 1992 | Site Agent
Tendering and Technical Proposal Work |
| Aug 1992 – Nov 1992 | Site Agent
Proposed Development at 1E, 1-3 Breezy Path
Site Investigation and Instrumentation
Technical Development and Internal Training for the new CPT equipment in the Group. |
| Dec 1992 – Jul 1993 | Site Agent
Contract No. 530A Extension Lantau and Airport Railway, Ground Investigation at Tsing Yi and Kwai Chung Section
Marine and Land Site Investigation |
| May 1992 – Dec 1992 | Site Agent
Contract No. 530A Lantau & Airport Railway, Ground Investigation – Kwai Chung Section
Marine and Land Site Investigation |
| May 1992 – Aug 1992 | Site Agent
TDD Contract No. TM70/88, Submarine Outfall to Urmston Road
Marine Blasting Hole Drilling for Explosive Installation |
| Apr 1992 – Jun 1992 | Site Agent
Tolo Harbour Effluent Expose Scheme
Site Investigation |

Curriculum Vitae

Mar 1992 – Apr 1992	Site Agent Proposed Secondary School at San Ha Street Site Investigation
Nov 1991 – Feb 1992	Site Agent Redevelopment of Jewish Recreation Club at 70 Robinson Road Pipe Pile Wall with propping by Soil Nailing and Grouting Works
Aug 1991 – Nov 1991	Site Agent Contract No. HY/89/12 Footbridge Across Hennessy Road Minipiling and Grouting Works
Nov 1990 – Jul 1991	Site Agent 400/500 KV OHTL Lines Daya Bay – HK Project Contract No. 150421 – Site TD31 and 36A Soil Nailing and Slope Works
Jun 1989 – Nov 1990	Site Agent / Engineer Daya Bay – Hong Kong 400/500 OHL CLP Contract No. 150421 Pile Foundation Towers Soil Shaft Grouted Minipiling Works
Dec 1987 – Jul 1988	Site Engineer Contract No. GC/87/02 Hong Kong & Kowloon Term Contract Site Investigation
Jan 1987 – Nov 1987	Freyssinet Hong Kong Limited
Nov 1986 – Jul 1987	Site Engineer Pearl Garden Development Foundation Works Driven Piling Works
Apr 1981 – Dec 1986	Franki PSC Limited
Jan 1986 – Oct 1986	Site Engineer Foundation Enhancement for Cooling Pipes at Central Promenade Pump House Pile Cap and Minpile Foundation
Feb 1986 – Jun 1986	Site Engineer Subway Construction between Soy Street and Nathan Road Pipe Pile Wall, Grouting and Dewatering System
Feb 1986 – Nov 1986	Site Engineer Cooling Main Underpass Subway at Hennessey Road Horizontal Pipe Pile Roof, Grouting and Underpass Subway Construction

Curriculum Vitae

Dec 1985 – May 1986	Assistant Engineer LPM Slope Improvement Works Po Shan Road Long Horizontal Drain Hole and Slope Protective Works
Aug 1985 – Dec 1985	Assistant Engineer (With Borehole Logging) Kwai Chung Berth 3 Foam Drilling with Triple Tube Core Barrels for Defective Pile Investigation and Remedial Works by pressurized Grouting Method.
Apr 1985 – Aug 1985	Assistant Engineer(with Borehole Logging) MTRC KD5 Kornhill Development Chemical Permeation Grouting for Caissons
Dec 1984 – Apr 1985	Assistant Engineer Tendering and Cost Estimation at Head Office Site Investigation, Grouting, Minipiling and Landslide Preventive Projects
Aug 1984 – Dec 1984	Assistant Engineer MTRC 106 Singapore Chemical Grouting and Rock Anchor
Apr 1984 – Sep 1984	Assistant Engineer MTRC 417, Jardine Bazaar, Causeway Bay Chemical Permeation Grouting
Dec 1982 – Apr 1984	Assistant Engineer (with Borehole Logging) MTRC 401, Sheung Wan Site Investigation, Grouting, Dewatering Wells, Pipe Pile Wall, Minipiles and Bored Piles
Oct 1982 – Dec 1982	Assistant Engineer(With Borehole Logging) MTRC 412 Pak Sha Wan Site Investigation
Sep 1982 – Nov 1982	Assistant Engineer (with Borehole Logging) MTRC 401 Chai Wan Site Investigation
May 1982 – Sep 1982	Assistant Engineer (With Borehole Logging) Ocean Park Redevelopment Site Investigation
Mar 1982 – May 1982	Assistant Engineer (with Borehole Logging) Academic of Performing Arts Site Investigation
Dec 1981 – Jun 1982	Assistant Engineer

Curriculum Vitae

Harbour City Phase III
Permanent Rock Anchor

Apr 1981 – Dec 1981 **Assistant Engineer**
Hok Yuen Street Hung Hom
Franki Piles, Pipe Pile Wall & Grouting

May 1980 – Mar 1981 Builders Federal (HK) Limited

Jul 1980 – Apr 1981 **Estimator**
Builders Federal's Head Office
Tendering for Building Services (Glass Curtain Wall, Floating Floor
and Acoustic Finishing/Partitions etc.)

Jun 1979 – Aug 1979 Franki Contractor Limited

Jun 1979 – Aug 1979 **Trainee Engineer**
PWD Project Proposed Cultural Centre and Space Museum
Franki Piles and Driven Piles

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THE UNIVERSITY OF HONG KONG

香 港 大 學

CHAN SHUN MING 陳順明

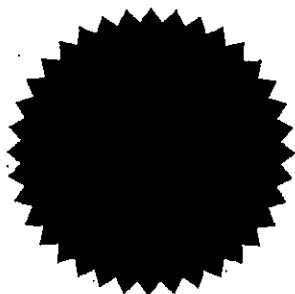
having fulfilled all the requirements of the University
and having satisfied the examiners
修畢課業考試及格

has this day been admitted to the degree of
謹授予學位

MASTER OF SCIENCE
理科碩士

Given under our hands
this Sixth day of December,
Two Thousand and Five.
二零零五年十二月六日

Chancellor 校監



Registrar 教務長

Vice-Chancellor 校長



香港城市大學
City University
of Hong Kong

Having completed the requirements prescribed by this University

CHAN Shun Ming

has been awarded the

MASTER OF SCIENCE

in

CONSTRUCTION MANAGEMENT

on this the ninth day of November,

Two Thousand and Four.

公元二零零四年十一月九日

建造管理學碩士學位

學生陳順明修畢本校之課程
照章授予

校長
監督

張信剛
董建華



14. Chang

President

Chancellor

Chancellor

Serial No. M-CMT-9701-00027

Construction Industry Training Authority

[Established by the Industrial Training (Construction Industry) Ordinance 1975]

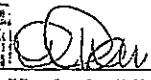
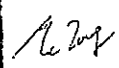
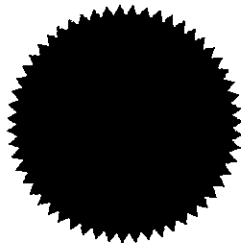


Diploma in Construction Management (Civil Engineering)

This is to certify that *CHAN, Shun Ming*

has attended the programme of Construction Management (Civil Engineering) of the Authority and has fulfilled the conditions prescribed for the award of the Diploma in Construction Management (Civil Engineering) by examination *in the classification of CREDIT*

Given under our hands this *28th July 1998*
in Hong Kong


Chan Ka-kui, J.P.
Chairman
Tong Yat-chu
Executive Director



HONG KONG BAPTIST UNIVERSITY

This is to certify that

HONG KONG BAPTIST UNIVERSITY

honours the award of the

Diploma in Civil Engineering

to

CHAN SHUN MING

by the former HONG KONG BAPTIST COLLEGE

in November 1980

as an award of this University

A handwritten signature in black ink, appearing to be 'D. L. ...'.

President & Vice-Chancellor

A handwritten signature in black ink, appearing to be 'R. ...'.

Academic Registrar

September 1, 1997

Hong Kong Baptist College

Registered with the Hong Kong Government
as an approved four-year post secondary college in 1976



香港浸會學院

香港政府立案四年制學院

By the authority of the Hong Kong Government
vested in the Board of Governors and upon re-
commendation of the Academic Board, on June 19,
1980.

CHAN SHUN MING

is awarded

This Diploma in CIVIL ENGINEERING

In Testimony whereof are affixed heretofore
the Seal of the College and the Signatures of the
Authorities, this twenty-ninth day of November in the year of
our Lord One Thousand Nine Hundred and Eighty.

Norman Cheung
Chairman
Board of Governors

D. J. A.
President

Q. Y. Yung
Dean of Academic Affairs

畢業證書

學生 陳順明 於一九八零年六月
十九日在本院 土木工程 學系
修業期滿成績合格准予畢業此證

校董會主席 張彬彬



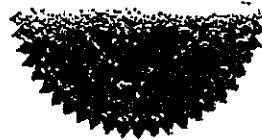
校長 湯志偉



教務長 楊國雄



主曆一九八零年十一月十一日



The Hong Kong Institution of Engineers

香港工程師學會

Established by Ordinance in December 1975



This is to certify that

Ir CHAN Shun Ming

was admitted as

Member

of the Institution on

4 September 2012

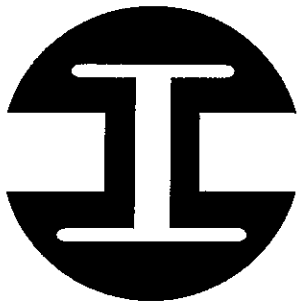
Witness our hands and seal

President

Secretary



"Ir" pronounced as "engineer" is the abbreviation for the prefix of Corporate Members of the HKIE



ENGINEERS REGISTRATION BOARD
工程師註冊管理局

This is to certify that

Ir CHAN Shun Ming

is registered as a

Registered Professional Engineer

(Civil)

From: 1 January 2014

To: 31 December 2014

Registrar

Registration No: RP0439870

Date of Issue: 2 January 2014

ASCE[®] American Society of Civil Engineers

By action of the Board of Direction

SHUN MING CHAN, M.ASCE

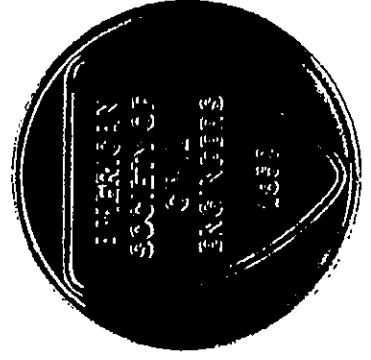
has been elected

MEMBER

who is entitled to all the privileges granted by the Constitution of the Society, an organization for the advancement of professional knowledge and the improvement of civil engineering.

Patrick J. Natale

Patrick J. Natale, P.E., F. ASCE
Executive Director



Dennis R. Martenson

Dennis R. Martenson, P.E., DEE, F.ASCE
President

May, 2006



Registration No. PG06003

香港地質學會-專業部
**THE GEOLOGICAL SOCIETY OF HONG KONG
PROFESSIONAL BRANCH**

茲證明

This is to Certify that

陳順明 CHAN SHUN MING

根據其學歷、專業訓練及工作經驗

謹授予

執業地質師

by virtue of academic qualifications,
training and experience
was elected a

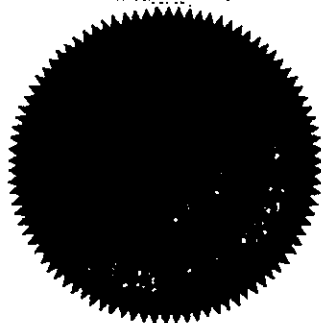
PRACTICING GEOLOGIST

21 July 2006

學會主席

專業部主席

Chairman
Geological Society



Chairman
Professional Branch



The
Geological
Society

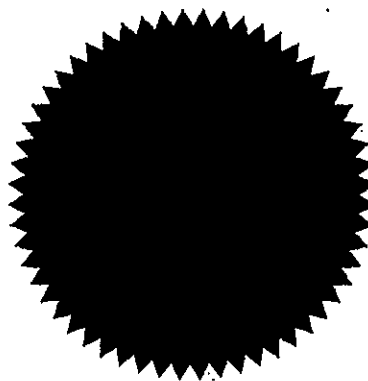
A Society for Investigating the Mineral Structure of the Earth
Established 1807, Incorporated by Royal Charter 1825

This is to certify that
Chan Shun Ming
was on 16 April 2013 elected
a Fellow of the
Geological Society of London

Fellowship No: 1021869

David Shilston
President

Edmund Nickless
Executive Secretary



The Geological Society of London
Burlington House, Piccadilly, London, W1J 0BG



THE CHARTERED INSTITUTE OF BUILDING

The Chartered
Institute of Building

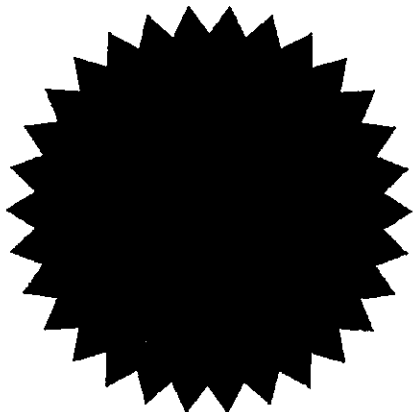
*founded as
The Builders Society 1834
Incorporated 1884
Incorporated by
Royal Charter 1980*

This is to certify that

Chan Shun Ming

*was admitted as a Member of the
Chartered Institute of Building
on the 29th day of April 2008
and is entitled to use the designation
MCIOB*

Signed on behalf of the
Chartered Institute
of Building



President *Martin Chambers*

Chief Executive *Chris Bryson*

Membership No: 1479361



CPDC

Construction Professionals' Development Centre

建造及工程專業發展中心

A non-profit making organization with limited liability

This is to certify that

CHAN Shun Ming Raymond

has been admitted as a

Professional (Ordinary Member)

to the

Construction Professionals' Development Centre

on

15 September 2010

Authorized person : _____

Ir Dr. King Wong, Chief Executive

Membership Number : _____

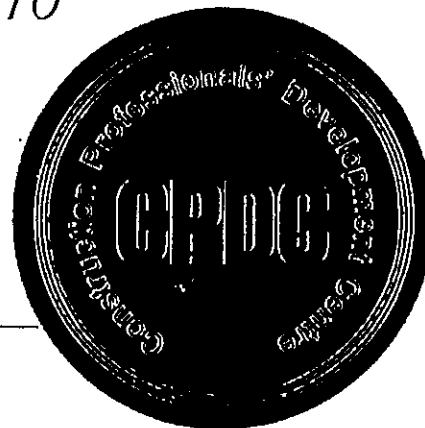
25003

Certificate Number : _____

N100918

Expiration Date : _____

3/31/2012



Green, Engineering, Peace, Regenerating

綠色、工程、和平、再生

This certificate is invalid without the chop of CPDC.





土木工程拓展署
CEDD Civil Engineering and
Development Department

土力工程處

Geotechnical Engineering Office

Web site 網址 : <http://www.cedd.gov.hk>
 E-mail 電子郵件:
 Telephone 電話 : (852) 2762 5300
 Facsimile 傳真 : (852) 2715 7572
 Our reference 本署編號: GCGP 4/G/1-R1 (LGI)
 Your reference 來函編號: 0559/GEO

香港九龍觀塘道 410 號 觀塘中心 23 樓
 岩土勘探工程組
 23/F, Kwun Tong View,
 410 Kwun Tong Road,
 Kowloon, Hong Kong

By Fax: 2722 0227

Bachy Soletanche Group Limited
 Unit 1503-06, 15/F, Wing On Kowloon Centre,
 345 Nathan Road,
 Kowloon,
 Hong Kong

(Attn: Mr Ringo Lau)

Dear Sirs,

Bachy Soletanche Group Limited				15 November 2017	
To: Mr. Ringo Lau		From: Mr. Raymond Chan		Subject: Approval of Mr. Chan Shun Ming as Geotechnical Engineer	
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**Development Bureau's List of Approved Suppliers of Materials and
 Specialist Contractors for Public Works
 Category of Ground Investigation Field Work
Approved Staff for the List**

**Mr CHAN Shun Ming, Raymond
as Geotechnical Engineer**

I refer to your above-referenced letter nominating Mr CHAN Shun Ming, Raymond, as approved Geotechnical Engineer (GE) for Bachy Soletanche Group Limited (Bachy) in the DEVB's List.

I am pleased to inform you that Mr CHAN is approved as GE for Bachy in the DEVB's List.

Please note that the approval status is solely for Bachy to fulfill the DEVB's listing requirement. In the event that Mr CHAN resigns from your company or changes his full-time employment status, please inform us in writing within one month on the change of the employment status.

Yours faithfully,

(Signature)
 (AYTLAAM)
 Chief Geotechnical Engineer/Geotechnical Projects
 Geotechnical Engineering Office
 Civil Engineering and Development Department

AYTL/ACTS/JCYH/jcyh
 (8)



YOUR REF 來函檔號 :
OUR REF 本署檔號 : BD SC(GI) 34/2001
FAX 圖文傳真 : 2625 0437
TEL 電話 : 2626 1752
www.bd.gov.hk

6 June 2016

BACHY SOLETANCHE GROUP LIMITED
Flat 305-8, 3/F.,
Harcourt House,
39 Gloucester Road,
Wanchai, Hong Kong.
(Attn: Mr. LAU Chun Piu Ringo)

Dear Sir,

**Application for Renewal of Registration as a
Registered Specialist Contractor in the Ground Investigation Field Works Category**

I refer to your application which I received on 10 May 2016 and your supplementary documents submitted on 31 May 2016.

2. In accordance with section 8C of the Buildings Ordinance (BO), I am pleased to **RENEW** your registration as a Registered Specialist Contractor in the Ground Investigation Field Works Category with the following key personnel:

- ➡ (i) Authorized Signatory (AS) : Mr. CHAN Shun Ming
- (ii) Technical Director (TD) assisted by AS : Mr. LAU Chun Piu Ringo
assisted by Mr. CHAN Shun Ming

3. A certificate of registration is enclosed herewith.

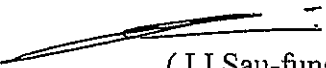
4. You are required to notify me immediately if there is going to be any change of address, company name or key personnel. You are also required to obtain my prior approval if there is going to be substantial change of your company structure, mode of operation or decision making mechanism.

5. Furthermore, if all of the AS have resigned or ceased to be appointed, you must cease all building works and street works that required an AS under the BO from the date you have no AS and notify the related parties of any consequential arrangements on site for compliance with the BO.

6. Please refer to the certificate of registration regarding the date of expiry of your registration; and to section 8C of the BO and Practice Note for Registered Contractors 38 regarding the procedures for renewing your registration.

7. If you require further assistance or clarification, please contact Mr. YEUNG Chun-wing Roger, Structural Engineer/Registration on 3106 5065.

Yours faithfully,



(LI Sau-fung)
Senior Professional Officer/Registration
for Building Authority

Web site 網址 : <http://www.cedd.gov.hk>
E-mail 電子郵件 :
Telephone 電話 : (852) 2762 5300
Facsimile 傳真 : (852) 2715 7572
Our reference 本署檔號 : GCGP 4/6/1
Your reference 來函檔號 :

香港九龍觀塘道 410 號 23 樓
23/F, 410 Kwun Tong Road,
Kowloon, Hong Kong

9 March 2006

Mr. CHAN Shun Ming
Bachy Soletanche Group Ltd
Room 305-8, 3/F, Harcourt House
39 Gloucester Road, Wanchai
Hong Kong

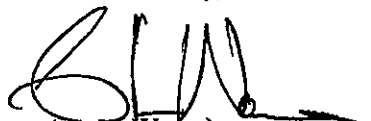
Dear Mr. CHAN,

**List of Approved Suppliers of Materials
and Specialist Contractors for Public Works
Category of Ground Investigation Field Work (List)**

Approved Staff for the List

As requested in your letter dated 28 February 2006, I confirm that Mr. CHAN Shun Ming was accepted as an approved Site Agent in January 1998 for Bachy Soletanche Group in the then Works Bureau List of Approved Suppliers of Materials and Specialist Contractors for Public Works, Category of Ground Investigation Field Work.

Yours faithfully,


(C. K. Wong)

Chief Geotechnical Engineer
Geotechnical Projects Division
Civil Engineering and Development Department

Bachy Soletanche Group Limited

H/R

15 MAR 2006

NO.	NAME	POSITION	DATE
1	Mr. CHAN Shun Ming	Site Agent	1998
2			
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7			
8			
9			
10			

Raymond Chan

ckw/ke/fc

The 68th Council - Committees Chairmen and Panel Members

第六十八屆理事會 - 小組主席及執委會成員

Building Committee

Chairman	(4.2016-2017)	Barry SIN	Leighton Contractors (Asia) Ltd
Chairman	(2015-3.2016)	Cyras CHIN	Hsin Chong Construction (Asia) Ltd
Vice-Chairman (ASD)		David CHAN	Shui On Building Contractors Ltd
Vice-Chairman (BD)		Eric LAU	Hip Hing Builders Co Ltd
Vice-Chairman (HA)		Richard LEE	Yau Lee Construction Co Ltd
Vice-Chairman (Strategy)		Andrew CHENG	Dragages Hong Kong Ltd
Honorary Treasurer	(4.2016-2017)	K C KONG	Nishimatsu Construction Co Ltd HK Branch
Honorary Treasurer	(2015-3.2016)	Barry SIN	Leighton Contractors (Asia) Ltd

Civil Engineering Committee

Chairman	Ringo YU	Fraser Construction Co Ltd
Vice-Chairman	Simon LIU	Build King Construction Ltd
Vice-Chairman	Franky HA	Dragages Hong Kong Ltd
Vice-Chairman	Barry SIN	Leighton Contractors (Asia) Ltd
Vice-Chairman	Vincent CHEUNG	Maeda Corporation
Honorary Treasurer	Jonathan WONG	Vibro Construction Co Ltd

Piling Contractors Committee

Chairman	Fred KOO	Vibro (H.K.) Ltd
Vice-Chairman	Tom LEE	China Geo-Engineering Corporation
Vice-Chairman	LAI Kok Wai	Tysan Foundation Geotechnical Limited
Honorary Treasurer	Nelson KWOK	Konwall Construction & Engineering Co Ltd

Site Investigation Contractors Committee

Chairman	Edward CHENG	Tysan Foundation Ltd
Vice-Chairman	Raymond CHAN	Bachy Soletanche Group Ltd
Vice-Chairman	James LAM	DrilTech Ground Engineering Ltd
Honorary Treasurer	CHAN Ho Man	Vibro (H.K.) Ltd

SME Committee

Chairman	Eddie LAM	Techoy Construction Co Ltd
Vice-Chairman	Conrad FUNG	Cheung Kee Fung Cheung Construction Co Ltd
Vice-Chairman	Alfred TANG	Sun On Engineering Co Ltd
Vice-Chairman	Fredrick SO	Tak Hing Construction Co Ltd
Vice-Chairman	Chris LEE Kai Yuen	Wing Fat Building Construction Ltd
Honorary Treasurer	Daniel SHUM	Kim Hung Construction & Engineering Co Ltd

Environmental Committee

Chairman	(4.2016-2017)	Stephen YIM	Penta-Ocean Construction Co Ltd
Chairman	(2015-3.2016)	Barry SIN	Leighton Contractors (Asia) Ltd
Vice-Chairman		Ben HO	China State Construction Engineering (H.K.) Ltd
Vice-Chairman		Lighting CHAN	Leighton Contractors (Asia) Ltd
Vice-Chairman		Tony YAM	Vibro (H.K.) Ltd

Health and Safety Committee

Chairman	TSUI Wai Tim	Build King (Zens) Engineering Ltd
Vice-Chairman	Alfred LEUNG	Continental Engineering Corporation

建築小組

主席	(4.2016-2017)	冼永寧
主席	(2015-3.2016)	錢志強
副主席(建築署)		陳毅成
副主席(屋宇署)		劉啓明
副主席(房委會)		李兆明
副主席(策略)		鄭偉敬
義務司庫	(4.2016-2017)	江家才
義務司庫	(2015-3.2016)	冼永寧

禮頓建築(亞洲)有限公司
新昌營造廠(亞洲)有限公司
瑞安承建有限公司
協興建築有限公司
有利建築有限公司
香港寶嘉建築有限公司
西松建設株式會社香港營業所
禮頓建築(亞洲)有限公司

土木工程小組

主席	余錫萬
副主席	廖聖鵬
副主席	夏景輝
副主席	冼永寧
副主席	蔣孝康
義務司庫	王家靈

科正建築有限公司
利基建築有限公司
香港寶嘉建築有限公司
禮頓建築(亞洲)有限公司
前田建設工業株式會社
惠保建築有限公司

打樁小組

主席	古遠華
副主席	李志棠
副主席	黎國偉
義務司庫	郭大源

惠保(香港)有限公司
中國地質工程集團公司
泰昇地基土力工程有限公司
康和建築工程有限公司

地質勘探小組

主席	鄭皓明
副主席	陳順明
副主席	林凱帆
義務司庫	陳浩文

泰昇地基工程有限公司
法國地基建築有限公司
鑽達地質工程有限公司
惠保(香港)有限公司

中小型企业小組

主席	林健榮
副主席	馮國強
副主席	湯毓祺
副主席	蘇汝培
副主席	李啟元
義務司庫	岑厚德

德材建築工程有限公司
祥記馮祥建築有限公司
新安承建有限公司
德興建築有限公司
榮發建築工程有限公司
健鴻建築工程有限公司

環保小組

主席	(4.2016-2017)
主席	(2015-3.2016)
副主席	
副主席	
副主席	

嚴沛泉
冼永寧
何志偉
陳禮庭
任鎮鴻

五洋建設株式會社
禮頓建築(亞洲)有限公司
中國建築工程(香港)有限公司
禮頓建築(亞洲)有限公司
惠保(香港)有限公司

健康與安全小組

主席
副主席

徐偉添
梁偉豪

利基(單氏)工程有限公司
大陸工程股份有限公司

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學會歷史

History

關於我們
Committee會籍申請
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Publications野外考察
Field Trips香港地質
Geology of HK學習園地
Learner's Corner會員分享
Member's Sharing網址連結
Useful Links學會專業部
Professional BranchFollow us on
facebook

SOCIETY'S COMMITTEE

We have recently revitalized the Teachers Group, conducting workshops in earth science teaching in support of the school curriculum reform, established a Nature Explorers group for the young members, and instigated a new Family Membership, all as part of our endeavor to reach out to the general public. We are progressing to organize a professional branch to oversee the welfare of our members in the professional sector. Liaising closely with geological learned societies in China, Taiwan and the nearby regions, the Geological Society has now become a leader in the organization of geological activities in the region. We believe the Geological Society of Hong Kong has entered a new era. Our continuing missions: to promote geological education to students, teachers and the general public, as well as to provide with professional geologists opportunities for enhancement of geological knowledge. The General Committee of GSHK is committed to work hard to accomplish our missions.

The 2018-2020 committee members are

President: Mr. LEUNG Kar-Fai

Vice-President: Mr. Paul CHEUNG Chi Tak

Secretary: Ms. Sandie HO Che Man

Treasurer: Ms. MOK Chui Ling

Editor: Mr. CHAN SM Raymond

Committee Members:

Mr. Peter CHU Kar Wai, Mr. LAM Chi Sing, Ms. Peggy LAM, Ms. Tracy LEUNG Pik Sai, Mr. Johnson LI Cheuk Hei, Mr. LUNG Tak Chun

Ex-official Members: Dr. Margie CHEN Qin Fang

Advisor: Mr. LEE Cho Ming, Prof. CHAN Lung Sang, Mr. LAI Kuen Wai, Dr. Denise TANG Lai Kwan, Mr. Jeffrey WONG Chun Fai

Professional Branch

Chairman: Mr. Paul CHEUNG Chi Tak

Vice-President: Mr. CS Kong

Secretary: Ms. Peggy LAM

Committee Members: Mr. Jeffrey WONG Chun Fai (PG/CPG application), Ms. Peggy LAM, Mr. Raymond SM CHAN

Executive Committee Members



Bachy Soletanche
raymond.chan@soletanche-
bachy.com

Ir Raymond CHAN

Dip Eng Msc(Const Mgt) Msc(App Geo) MHKIE RPE(Civil) MASCE MCIOB FGS

Raymond is a Project Manager of Bachy Soletanche Ltd with more than thirty five years of experience in tendering, contractual management and site supervision in projects. He also involves in technical study, proposal and support for tenders and projects particularly in engineering geology. He has worked on a wide varieties of geotechnical projects in Hong Kong, Southeast Asia and China in fields of ground investigation, directional drilling, instrumentation, piled foundation, ground anchoring, slope greening, site formation, ground treatment by soil and rock grouting, vibroflotation and soil stabilization. Currently, he is the Quality and Geotechnical Manager for Bachy Soletanche-Sambo Joint Venture for marine deep mixing works. He is currently the Committee Member of Site Investigation Contractors' Committee (SICC), and acted as the Vice-Chairman for SICC of Hong Kong Contractors Association (HKCA) from 2015 to 2017. He is an approved Geotechnical Engineer, Site Agent, and Authorized Signatory under the Approved Lists of Development Works Bureau of HKSAR. He is also the Editor and Committee Member of Professional Branch of The Geological Society of Hong Kong. On behalf of the Society, he joined the Working Group of Civil Engineering and Development Department for reviewing and updating the GEO Publication: Geoguide 4- Cavern Engineering.

WORKING GROUPS

Working Groups and Areas of Responsibility

- To provide a platform for the industry practitioner to share views and feedback;
- To provide a forum / CPD for exchange of information and experience and to promote best practices;
- To provide formal responses as well as prepare Position Papers or comments on current issues (e.g. documents produced by the Government of HKSAR or other parties, etc.);

Working Group	Chair	Contact
Geoenvironment	John Cowland	cowland@netvigator.com
Ground Investigation	Raymond Chan	raymond.chan@soletanche-bachy.com
AGS Data Format and Building Information Modelling (BIM)	Haydn Chan	Haydn.Chan@arup.com
Natural Terrain and Landslide Hazards	Jeffrey Wong	jeffreycfwong@cedd.gov.hk
Reclamation	Suraj De Silva	Suraj.DeSilva@smec.com
Foundation Works	S W Lee	swlee@golder.com.hk
Tunnel, Cavern & Underground Space	Clayton Chan	Clayton.Chan@aecom.com

The AGS(HK) members are all welcome to join the working groups.

Working Group on Ground Investigation

This group has a relatively long history in the association and is responsible for publication of the initial series of GIGs or good practice notes on ground investigation. The publications cover the planning and procurement of ground investigation, contract documentation and consideration for design of ground investigations. The group will continue much in the same vein in 2007 and beyond with review of ground investigation practice and the subsequent publication of further GIGs and holding of forums and seminars in areas of ground investigation. The group also considers that young geotechnical practitioners require training and knowledge, the work practices need improvement, and where clients or supervisory staff would really take benefit from guidance. The group continues to review new and developing areas of ground investigation that has not previously been covered in the existing GIGs.

The Current Group Members:



- Raymond Chan (Bachy Soletanche)
- Henry Liu (Dong Ah)
- Ada Chan (HKAA)
- M P Chan (Wing Wo)
- William Fung (Fugro Geotechnical Services)
- Martin Yip (Lambeth / Gammon)
- Luk Ka Sing (Aecom)

Home

Working Groups

AGS Events Calendar

Ground Investigation
Guidelines (GIG)

Link

What is the AGS

WG on Geoenvironment

Archive - Seminar

Tunnel Construction
Guidelines (TCG)

Supporting
Organisations

Committee Members

WG on Ground Investigation

Archive - Site Visits

Course Notes &
Presentation Slides

Rules

WG on AGS Data Format and BIM

Booking Prize Reports

Newsletter

WG on Natural Terrains and
Landslide Hazard

Publication

Become a member

WG on Reclamation

ADDRESS

Tel: +852 3922 8607
Fax: +852 3922 9797

8/F Grand Central Plaza, Tower 2,
138 Shatin Rural Committee Road,
Shatin, Hong Kong

Clayton.Chan@aecom.com





香港職業安全衛生協會
THE HONG KONG OCCUPATIONAL SAFETY AND HEALTH ASSOCIATION

30th Anniversary (Incorporated with Limited Liability)

Established in 1977

Mem-08-074

November 26, 2008

CHAN Shun Ming [PM(G)947]
Flat C, 15/F., Block 2, Castello,
69 Siu Lek Yuen Road, Shatin,
N. T.

Dear Mr. Chan,

MEMBERSHIP WITH THE ASSOCIATION

We are pleased to inform you that you have been admitted **Professional Member (General)** of the Association on **November 19, 2008**.

A membership certificate and an identification card will be mailed to you upon receipt of your payment of the subscription (2008-2009) which is **HK\$400**. Please pay the Association by crossed cheque made payable to "Hong Kong Occupational Safety and Health Association". Alternatively, you may pay directly to our bank account (HSBC, no.:111-078119-001), and fax or mail the transaction record to the Association for confirmation. Please ensure that your name is on such record.

On behalf of the Association, we welcome you joining us to promote the occupational safety and health in Hong Kong. We look forward to receiving your active participation and contribution to the work of the Association.

Yours sincerely,
The HK Occupational Safety and Health Association

TC Chan
Hon. Secretary

名譽顧問

譚耀宗議員 GBS, 太平紳士
何鍾泰議員 太平紳士
龔玉麟先生
詹伯樂 太平紳士
陳家駒 BBS, 太平紳士
何世柱 SBS, 太平紳士
李鐸教授 太平紳士
孫家雄博士

名譽法律顧問

Mr. Patrick M BURKE

義務核數師

尹國偉先生

執行委員會

(2008 至 2010 年)

會長 鄺超靈先生

副會長 楊中源先生

副會長 梁偉光先生

秘書 陳贊春先生

司庫 鄭永祥先生

委員

甘耀權先生

何偉雄先生

羅志明先生

李耀成先生

盧漢揚先生

盧華良先生

黃偉賢先生

黃榮慈先生

尹惠世先生

上屆會長

林啟榮先生

HONORARY ADVISERS

The Hon. Yiu Chung TAM, GBS, JP

Ir. Dr. The Hon. Raymond C T HO

SBS, MBE, S B St J, JP

Mr. Yuk Lun YIP

Ir. James BLAKE, OBE, JP

Mr. Ka Kui CHAN, BBS, JP

Mr. Sai Chu HO, SBS, JP

Prof. Ngok LEE, JP

Dr. Ka Hung SHUEN

Honorary Legal Adviser

Mr. Patrick M BURKE

Honorary Auditor

Mr. WAN Kwok Wai

Executive Council (2008 - 2010)

President Mr. Victor C L KWONG

Vice President Mr. Chung Yuen YEUNG

Vice President Mr. Daron W K LEUNG

Hon. Secretary Mr. Stephen TC CHAN

Hon. Treasurer Mr. Lewis W C CHENG

Members

Mr. Yiu Kuen KAM

Mr. Boris W H HO

Mr. Chi Ming LAW

Mr. Tat Sing LI

Mr. Andy H Y LO

Mr. Clint W L LO

Mr. Wai Yin WONG

Mr. Scorpio W C WONG

Mr. Edward W H WAN

Immediate Past President

Mr. Ivan K W LAM

G. P. O. Box 7100, Central, Hong Kong.

Tel: 2332 9210 Fax: 2770 0542 E-mail: admin@hkosha.org.hk

Homepage address: <http://www.hkosha.org.hk>



2nd Annual Behavioural Based Safety Conference in Shanghai

By Victor KWONG,
President of HKOSHA

HKOSHA is the endorser of this two-day Conference and I am glad to represent the Association to attend the Conference held in Shanghai on 28-29 August, 2008 with over 40 attendees. Apart from five attendees from Hong Kong, others are PRC safety practitioners from large multi-national organizations like DuPont, Fuji Xerox, ALCOA Aluminum, etc. The fee for this workshop is rather high (over HK\$13,000) but many organizations are willing to invest on safety, and enhance the knowledge and techniques of their safety personnel.

Though the Behavioural Based Safety (BBS) approach has been implemented in western countries for decades, it is a new safety tool in Hong Kong and mainland China. In the Conference, practising safety practitioners from large organizations shared their successful experience on implementing BBS practices in their organizations in mainland China. In their organizations, good BBS observers are motivated with certain types of awards to encourage participations and commitments.

DuPont, well-known for its excellent safety performance, introduces the STOP system on BBS and other useful safety tools like "TAKE TWO for Safety" program, "Fire of Line" safety program, etc.

Nowadays, safety has become one of key performance criteria of the CEOs in many multi-national organizations. The CEO and his management team may be removed if company safety performance is not up to satisfactory level. DuPont and DSM have already implemented this practice in their mainland operations.

For more detailed information and the relevant presentation materials, please contact the Secretarial.

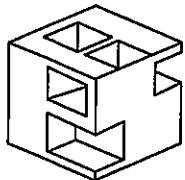
New Members

New Application

Name	Membership Class
LAW Kwong Sang	Associate Member
CHAN Kwai Ming	Professional Member (General)
CHUNG Chung Leung	Professional Member (Safety)
CHAN Shun Ming	Professional Member (General)
MAK Wai Sze	Associate Member
WONG Yee Hang, Arthur	Overseas Professional Member (Health)
YUEN Cheung Po	Professional Member (Safety)

Upgrading of Membership

Name	Upgraded Membership Class
LI Tat Sing	Fellow Member
LEUNG Wai Kwong, Daron	Fellow Member
YEUNG Chung Yuen	Fellow Member



工 程 界 社 促 會

Association of Engineering Professionals in Society Ltd

22 December 2009

Mr Chan Shun-ming
15/F, Flat C, Block 2
Castello
69 Siu Lek Yuen Road
Shatin, New Territories

Dear Shun Ming

Re: Full Membership

We are very pleased to inform you that your application to join our Association as a Full Member has been accepted.

We would take this opportunity to sincerely thank you for your kind support and to extend our warmest welcome to you. We look forward to having your active participation of our activities and your valuable contributions to our Association.

With best regards

Yours sincerely

For and on behalf of

ASSOCIATION OF ENGINEERING PROFESSIONALS IN SOCIETY LTD

Raymond Ho

Ir Dr Raymond Ho Chung-tai
Chairman



香港岩土及岩土環境工程專業協會
ASSOCIATION OF GEOTECHNICAL &
GEOENVIRONMENTAL SPECIALISTS (HONG KONG)

Contact Ir Clayton CHAN, Tel.: (852) 3922 8607 Fax.: (852) 3922 9797 E-mail: Clayton.Chan@aecom.com
Website: www.ags-hk.org

ANNOUNCEMENT

AGS (HK) & The Hong Kong Polytechnic University Joint Technical Seminar

“Cone Penetration Testing - The Use of Soil Behaviour Type (SBT) Charts and the Correlation with Geotechnical Parameters in Soil”

by

Ir. Raymond S M Chan

- Date :** 28 November 2019
- Time :** 6:30 pm – 8:00 pm
- Venue :** Lecture Theatre N002, Block N, The Hong Kong Polytechnic University,
Kowloon (see enclosed map)
- Enquiry :** For enquiries, please contact
Haydn Chan (email: haydn.chan@arup.com)
- Seminar Fee :** Free of charge
- Registration :** No prior registration is required. Seating capacity is provided for approximately
120 people. CPD certificates will be provided after the seminar.
- Book Prize :** Book prize is open to all young attendants under 35 years old for the submission
of a good quality report (max. 500 words) on this event. Book Prize reward
comprises a book "Geology of Site Investigation Boreholes in Hong Kong" by
Chris Fletcher and book coupon HK\$300 from 三聯書店.

Synopsis:

The aim of the seminar is to introduce the Soil Behaviour Type (SBT) Charts adopted in Cone Penetration Testing, and its relationship with the physical properties of soil that described by the United Soil Classification System. Besides, the correlation of Cone Penetration Testing and some of the geotechnical parameters in soil including Undrained Shear Strength and Standard Penetration Testing, and the application of CPT in geotechnical engineering works will also be discussed.

About the Speaker:

Raymond is the Project Manager of Bachy Soletanche Ltd with more than thirty eight years of experience in tendering, project management and technical study for projects. He takes lead in quality control and provide technical support to sites for materials like concrete and bentonite slurry, and he closely liaises with the Research and Development Department of Soletanche Bachy Group in France for technical development and quality control for the local group in Hong Kong. He completed his Diploma at Hong Kong Baptist College in 1980, and subsequently obtained MSc. degree in Construction Management at City University of Hong Kong, and MSc. degree in Applied Geosciences at The University of Hong Kong. He has worked with geotechnical projects in Hong Kong, Southeast Asia and China in ground investigation,



香港岩土及岩土環境工程專業協會
ASSOCIATION OF GEOTECHNICAL &
GEOENVIRONMENTAL SPECIALISTS (HONG KONG)

Contact Ir Clayton CHAN, Tel.: (852) 3922 8607 Fax.: (852) 3922 9797 E-mail: Clayton.Chan@aecom.com
Website: www.ags-hk.org

directional drilling, instrumentation, piling, ground anchoring, slope greening, site formation, soil and rock grouting, vibroflotation and ground improvement. He has also acted as Quality and Geotechnical Manager and Quality Control Manager for deep cement mixing and foundation projects. He is currently the Executive Member of Association of Geotechnical and Geo-environmental Specialists (HK), and also acted as the Group Leader of Ground Investigation Working Group of AGS (HK). He is also the Committee Member of Site Investigation Contractors' Committee (SICC), and acted as the Vice-Chairman for SICC of Hong Kong Contractors Association (HKCA) from 2015 to 2017. He is an approved Site Agent and Geotechnical Engineer under the List of Approved Suppliers of Materials and Specialist Contractors for Public Works GIFW Category, and the Authority Signatory (AS) of RSC for GIFW Category under Buildings Department. He is also the Editor and Committee Member of Professional Branch of Geological Society of Hong Kong. On behalf of the Society, he joined the Working Group of CEDD for reviewing and updating the GEO Publication: Geoguide 4- Cavern Engineering.

Organizer:



香港建造商會
Hong Kong Construction Association

Site Investigation Committee
(SIC)

IN-SITU TESTING



Date : 29 August 2019(Thursday)

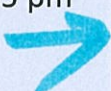
Time : 3:00pm – 6:00pm

Venue : 1/F Training Room of HKCA Headquarters,
180-182 Hennessy Road, Wanchai, Hong Kong

Language : Cantonese with PowerPoint in English

Registration : adalai@hkca.com.hk

Programme

2:30 – 3:00 pm	Registration
3:00 – 3:05 pm	Opening remark by Mr. Edward Cheng , HKCA SIC Chairman
3:05 – 4:25 pm	Topic: In-situ Testing for Ground Investigation Mr. Ricky Wu , Project Manager of Lam Geotechnics Limited
4:25 – 4:35 pm	Break for refreshment
4:35 – 5:05 pm 	Topic: Cone Penetration Testing Ir. Raymond Chan , Project Manager of Bachy Soletanche Group Limited
5:05 – 5:40 pm 	Topic: Dilatometer Test, Plate Load Test and Borehole Televiewer Survey Ir. Raymond Chan , Project Manager of Bachy Soletanche Group Limited Mr. Raymond Chu , Geotechnical Engineer of DrilTech Ground Engineering Limited
5:40 – 5:50 pm	Q & A
5:50 – 5:55 pm	Closing remark by Mr. James Lam , HKCA SIC Vice-chairman

About the Speakers

Mr. Ricky Wu is the Project Manager of Lam Geotechnics Limited. Mr. Wu obtained his Degree of Bachelor in Civil Engineering from the HK Polytechnic University. Mr. Wu is an approved Site Agent and Geotechnical Engineer under the list of Approved Suppliers of Materials and Specialist Contractors for Public Works Category of Ground Investigation Field Works – Group II under Works Bureau. He is also an Authorized Signatory (AS) for Registered Contractor in Ground Investigation Fieldworks Category [(RSC) GIFW] under Building Ordinance.

He has over 26 years of experience in ground investigation. He has worked on the management, tendering and cost control of numerous ground investigation projects in Hong Kong.



Ir. Raymond Chan is a Project Manager of Bachy Soletanche Ltd with more than thirty eight years of experience in tendering, contractual management and site supervision in projects. He also involves in technical study, proposal and support for tenders and projects particularly in engineering geology and sonic drilling. He also takes lead in concrete and bentonite slurry control in the local group, and closely liaise with the Research and Development Group of Soletanche Bachy France to maintain and improve the technology in Hong Kong. He has worked on a wide varieties of geotechnical projects in Hong Kong, Southeast Asia and China in fields of ground investigation, directional drilling, instrumentation, piled foundation, ground anchoring, slope greening, site formation, ground treatment by soil and rock grouting, vibroflotation and soil improvement. He has also acted as the Quality and Geotechnical Manager for Bachy Soletanche–Sambo Joint Venture for marine deep mixing works. He is the Executive Member of Association of Geotechnical and Geo-environmental Specialists (HK), and is also acted as the Group Leader for the Ground Investigation Working Group of AGS (HK). He is also the Member of the Advisory Committee of SPACE of HKU for the High Diploma Course in Geotechnical Engineering. He is currently the Member of Site Investigation Contractors' Committee (SICC) of HKCA, and he acted as the Vice-Chairman for SICC of HKCA from 2015 to 2017. He is an approved Geotechnical Engineer and Site Agent by Geotechnical Control Office under the list of Approved Suppliers of Materials and Specialist Contractors for Public Works Category of GIFW, and the Authorized Signatory of Registered Specialist Contractors in GIFW Category under Building Department. He is also the Editor and Committee Member of Professional Branch of The Geological Society of Hong Kong. On behalf of the Society, he joined the Working Group of Civil Engineering and Development Department for reviewing and updating the GEO Publication: Geoguide 4- Cavern Engineering.

Mr. Raymond Chu is the Geotechnical Engineer of DrilTech Ground Engineering Limited. He earned a bachelor's degree in Earth Sciences and a master's degree in Applied Geosciences at The University of Hong Kong. He has over 20 years of experience in geotechnical engineering with specialization in ground investigation, piling and grouting works. He was approved as Logging Geologist and Geotechnical Engineer under the List of Approved Suppliers of Materials and Specialist Contractors for Public Works Category of Ground Investigation Field Works.

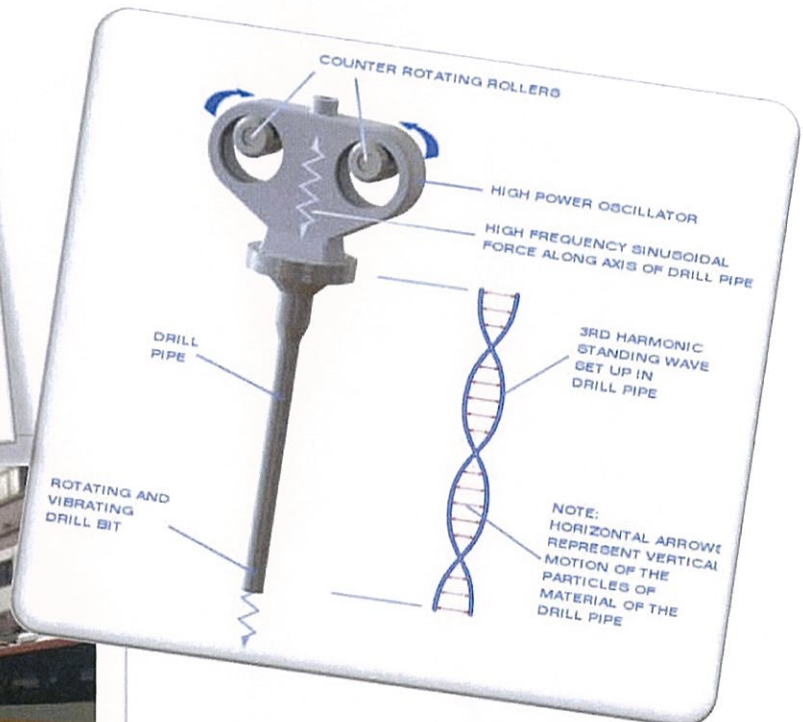
Organizer:



香港建造商會
Hong Kong Construction Association

Site Investigation Contractors' Committee
(SICC)

TECHNICAL SEMINAR DRILLING TECHNIQUES



Date : 15 November 2018 (Thursday)

Time : 3:00pm – 6:00pm

Venue : 1/F Training Room of HKCA Headquarters,
180-182 Hennessy Road, Wanchai, Hong Kong

Language : Cantonese with PowerPoint in English

Registration : adalai@hkca.com.hk

Programme

2:30 – 3:00 pm	Registration
3:00 – 3:05 pm	Opening remark by Mr. M. P. Chan , HKCA SICC Chairman
3:05 – 3:40 pm	Topic: General Ground Investigation Methods in Hong Kong Mr. Simon S. M. Chui , Operation Manager of Geotechnics & Concrete Engineering (Hong Kong) Limited
3:40 – 4:10 pm	Break for refreshment
4:10 – 4:45 pm	Topic: Foam Drilling & Wireline Drilling Mr. James H. F. Lam , Director of DrillTech Ground Engineering Limited
4:45 – 5:20 pm 	Topic: Sonic Drilling and Wedging Method in Drilling Mr. Raymond S. M. Chan , Project Manager of Bachy Soletanche Group Limited
5:20 – 5:50 pm	Q & A
5:50 – 5:55 pm	Closing remark by Mr. James H. F. Lam , HKCA SICC Vice-chairman

THE GEOLOGICAL SOCIETY OF HONG KONG



Speaker: Ir. Raymond S. M. Chan

Quality and Geotechnical Manager of Bachy Soletanche Sambo Joint Venture
Editor and Committee Member of Professional Branch of The Geological Society of Hong Kong

Topic: **Meditating After Mege 2018 Conference and Site Visit: Geohazard and Damages To Zipingpu Reservoir Induced by Wenchuan Earthquake**



**Mege 2018年會議和實地考察之後的思考：
汶川地震引發紫坪鋪水庫的地質危害和損傷**

Venue: JL104 (1/F), Department of Earth Sciences, James Hsiung Lee Science Building, The University of Hong Kong

Date: 18th October, 2018 (Thursday)

Time: 7:30pm to 8:30pm (duration est. 1 hour after the AGM from 7:00pm to 7:30pm)

Language: Cantonese with Powerpoint in English and Chinese

Summary:

The geological background for the Lungmashan fault zone and the significant faults in Sichuan Province of China will be introduced. Does the impounding of water at Zipingpu Reservoir trigger the Wenchuan earthquake? This is a long standing debates amongst the geologists and seismologists, and their propositions will be discussed. The Wenchuan earthquake induced the hazards in landslides, water wave impact, and ground shaking that causing damage to Zipingpu Reservoir and associated structures. The speaker will manifest the structures of the reservoir and discuss for the damage condition towards the reservoir. Could the reservoir sustain another earthquake with combination of the adverse factors and conditions simultaneously? As Zipingpu Reservoir is just one of the hundreds of hydropower stations in the Minjiang River Basin, there is a number of large-scale hydropower projects are being constructed in the highly seismic area in western region of China. Therefore, the impact to environment and safety of dams are meditated, and to be concerned.

Prior booking is not required; this talk is free of charge for all society members and non-members.

CPD certificates will be available for those working towards chartership (free for society members, \$20 for non-members).

About the Speaker:

Raymond is the Project Manager of Bachy Soletanche Ltd with more than thirty five years of experience in tendering, project management, technical study and proposal for tenders and projects particularly in engineering geology. He also takes lead in quality control and provides technical support to sites in concrete and bentonite slurry for their local group. Besides, he has closely liaised with the Research and Development Department of Soletanche Bachy France for technical development for sonic drilling in Hong Kong. He completed his Diploma at Hong Kong Baptist College in 1980, and subsequently obtained MSc. degree in Construction Management at City University of Hong, and MSc. degree in Applied Geosciences at The University of Hong Kong. He has worked on a wide varieties of geotechnical projects in Hong Kong, Southeast Asia and China in ground investigation, directional drilling, instrumentation, piling, ground anchoring, slope greening, site formation, soil and rock grouting, vibroflotation and soil improvement. Currently, he is currently working as the Quality and Geotechnical Manager for Bachy Soletanche-Sambo Joint Venture for marine deep mixing works. He is the Executive Member of Association of Geotechnical and Geo-environmental Specialists (HK) and the Group Leader of Ground Investigation Working Group of AGS (HK). He is currently the Committee Member of Site Investigation Contractors' Committee (SICC), and acted as the Vice-Chairman for SICC of Hong Kong Contractors Association (HKCA) from 2015 to 2017. He is an approved Site Agent and Geotechnical Engineer by GEO under the List of Approved Suppliers of Materials

and Specialist Contractors for Public Works Category of GIFW, and the Authority Signatory (AS) of RSC, GIFW under Building Department. He is also the Editor and Committee Member of Professional Branch of Geological Society of Hong Kong. On behalf of the Society, he joined the Working Group of CEDD for reviewing and updating the GEO Publication: Geoguide 4- Cavern Engineering.



Zipingpu Reservoir in Sichuan, China

2019 年海洋静力触探及岩土工程测试技术会议（杭州站）

2019年4月15日和2019年4月16日

2019 Offshore CPT and Geotechnical Testing Technology Conference (Hangzhou, China)

15 and 16 April 2019

举办时间：2019年4月15-16日

举办地点：杭州

近年来，以海底土体为基础的海洋工程设施日益增多，海上风电大规模兴起，充分利用海洋资源，强化海洋资源管理，加快发展海洋经济，已然成为当今世界沿海各国和地区发展经济的战略重点。为了推动海洋资源全面开发与利用，为了提高海洋岩土工程的施工质量，为了满足更多的施工要求，就需要开发更前沿、更先进、更有效的海洋勘测开发的工程技术。静力触探技术是海洋工程勘察领域中一种非常关键的技术，结合其他海洋岩土工程勘察、测试和监测技术，可对不同水体进行有效探测，明确海底土体性质，为施工者提供有效的工程依据。

“2019海洋静力触探及岩土工程测试技术研讨会”将分别于2019年4月12日~2019年4月13日和2019年4月15日~2019年4月16日在广州和杭州举办。此次会议特别邀请了挪威NGI的专家、英国Geolabs的专家、荷兰Geomil的专家、国内外知名高校的学者等，结合国内外先进的海洋岩土工程勘察、测试和监测技术，给业内人士提供从海洋工程施工到室内土工实验分析全方位检测和监测的应用案例、数据分析等研究成果。

热忱欢迎从事勘察、设计、施工、检测、监理、监督、科研工作的专家同行参会光临，交流研讨！

会议组织机构

主办单位	中交第四航务工程勘察设计院有限公司 中国海上风电网
承办单位	欧美大地仪器设备中国有限公司
支持单位	挪威土工所（NGI）



↑ Raymond Chan



Ir. Raymond S M Chan (陈顺明)

毕业于香港浸会大学，香港工程师注册委员会注册专业工程师（RPE），香港地质学会专业分院地质师（PGHK），香港工程师学会（MHKIE）、美国土木工程师学会（MASCE）、特许建筑学会（MCIOB）、伦敦地质学会会员（FGS）、香港职业安全健康协会和社会工程专业人士协会会员，香港地质学会专业分会编辑及委员。香港特别行政区建筑物条例下地面勘察工程类别的认可签署人，香港特别行政区土木工程署/环境及运输工务局地面勘察工程类别的认可工地代理及土力工程师，现任委员及香港建造商会现场调查企业委员会前副主席，岩土及地质环境专家协会（AGS香港）执行委员会成员。

2019年海洋静力触探及岩土工程测试技术会议
2019 Offshore CPT and Geotechnical Testing Technology Conference
海洋岩土处理方法及静力触探技-香港案例研究
Marine Ground Improvement and Cone Penetration Testing – A Hong Kong Case Study



Speaker: Ir. Raymond S M Chan (陈顺明)
Bachy Soletanche-Group Ltd 法国地基建筑公司
High Dip (Eng), MSc(Const. Mgt), MSc (Applied Geo.), MHKIE, RPE (Civil), AS(GIFW), MASCE, MCIQB, FGS



2019/4/15 16:53



致陈顺明先生的感谢状

Presentation of Appreciation Certificate to Mr. Raymond Chan

2018

海峽兩岸三地 工程地質研討會

*Two Strait Three Places
Engineering Geological
Conference 2018*

大會手冊



主辦單位

中央大學地球科學學院 (*Central University, Taiwan*)
地球環境資源與災害協會
中國地質學會工程地質專業委員會
成都理工大學地質災害防治與地質環境保護國家重點實驗室
香港地質學會

協辦單位

經濟部中央地質調查所
地質學會工程地質研究會
經濟部水利署北區水資源局
中興工程顧問股份有限公司
黎明工程顧問股份有限公司



2018.8.20-24
中央大學

Application of Low Headroom Deep Cement Mixing in Hong Kong

低淨空深層水泥拌合(LHDCM)法在香港的應用



陳順明 (Raymond Chan)

香港地質學會專業部

摘 要

香港第三條跑道工程的建設需要在現有機場島北部進行填海約 650 公頃的土地，其中大約 40%位於污泥卸置坑上。為了盡量減少對環境的影響，香港機場管理局採用非挖泥法，即深層水泥拌合法(DCM)來加固該地區的泥土。然而，部分工作區是位於現有飛機滑行道附近，受到嚴格的高度限制，這使得典型的長臂架深層水泥攪拌鑽機無法安置。因此，承建商部署了低淨空高度的土壤切割拌合(CSM)鑽機以完成該地區的工程。

從波特蘭或礦渣水泥和不同的土壤類型中選擇不同的水泥混合劑量後，將在實驗室進行混合和測試，隨後在現場進行操作試驗。試驗結果用於確定水泥混合土的優化質量，以及選定混合劑量的操作程序

關鍵詞：低淨空深層水泥拌合法、礦渣水泥、土壤切割拌合

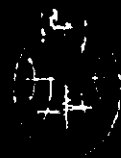
S6-2	古海嘯之地質調查可行性評估	
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	古志生	36
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Large-scale projects of Engineering Geophysics Symposium

大型工程地球物理學術研討會

主辦：中國地球物理學工程地球物理專業委員會
承辦：香港大學

協辦：大地儀器設備中國有限公司



3月8日下午 3 August 2019

序号	时间/Time	报告名称/Topic Title	单位名称/Company Name	发言人/Speaker Name	职务/Position
主持人: 高亮 Tommy Gao					
1	13:30-13:40	香港代表致辞 Representative of Hongkong make a speech	香港大学 The University of Hongkong	岳中琦 Zhongqi Yue	教授 Professor
		工程地球物理专委会专家代表致辞 Representative of Committee of Engineering Geophysics	中国地球物理学会 工程地球物理专业委员会 Committee of Engineering Geophysics, Chinese Geophysical Society	李貅 Xiu Li	教授、 中国地球物理学会副秘书长、 工程地球物理专委会副主任 Professor, Committee of Engineering Geophysics, Chinese Geophysical Society
		承办方致辞 Organizer make a speech	欧美大地仪器设备中国有限公司 Earth Products China Ltd.	高 峯 Frank Ko	董事长 CEO
2	13:40-14:05	城市建设工程中工程检测与工程物探的应用与发展展望 Application and development prospect of engineering detection and engineering geophysical exploration in urban construction project	中航勘察设计院有限公司 AVIC Institute of Geotechnical Engineering Co.,Ltd.	刘金光 Jinguang Liu	副总工程师 Vice Chief Engineer
3	14:05-14:30	水电工程物探检测应用简述 A brief introduction to the application of geophysical for hydropower project	四川中水成勘院 工程物探检测有限公司 Sichuan Zhongshui Chengkanyuan Geophysical Exploration Co.,Ltd.	沙 椿 Chun Sha	总工程师 Chief Engineer

4	14:30-14:55	西南地区铁路工程物探技术探讨 Discussion on geophysical technology of Railway Engineering in Southwest China	中国中铁二院 成都地勘岩土工程有限责任公司 China Railway Eryuan Engineering Group Co.,Ltd	李 坚 Jian Li	总工程师 Chief Engineer
5	14:55-15:15	深层水泥搅拌法在香港的应用 Application of the Deep Cement Mixing Method in Hong Kong	香港岩土及岩土环境工程专业协 会 Association of Geotechnical&Geoenvironmental Specialists(Hong Kong) (AGSHK)	陈顺明 Raymond Chan	常务理事 Executive Member
6	15:15-15:35	地球物理学在地球系统科学课程的发展 Growing Geophysics in Earth System Science Programme	香港中文大學 理学院 地球系統 科學系 Earth System Science, Science Faculty, CUHK.	杨宏峰 Hongfeng Yang	助理教授 Assistant Professor
7	15:35-15:50	茶歇及休息 (包括合影) Coffee Break (Group photo)			
主持人: 林志清 Tiger Lin					
8	15:50-16:10	频率步进式三维探地雷达技术 Step-Frequency 3D GPR Technology	挪威 3d-Radar 公司 3d-Radar AS	Jacopo SALA	总裁 CEO
9	16:10-16:30	CPT 静力触探技术的历史和现状 History & present of CPT Technical	荷兰 Geomil 公司 Geomil Equipment B.V.	William Bond	技术经理 Technical Manager
10	16:30-16:50	超声波混凝土成像试验现状 State of the Art of Ultrasonic Concrete Testing: Physics, Application & Instrumentation	俄罗斯 ACS 公司 Acoustic Control System, Ltd.	Andrey Bulavinov	负责人 Director
11	16:50-17:10	柔性膨胀计/岩石旁压仪 (PROBEX 钻孔弹 膜仪) 介绍 FLEXIBLE DILATOMETER /ROCK PRESSUREMETER	加拿大 Rocctest 公司 Rocctest Ltd.	Rene Deblois	业务发展经理 Business Development Manager
12	17:10-17:30	讨论及互动 Discussion and Interaction			



Raymond Chan





**One day Seminar on
"Ground Investigation and Ground Characterization for Civil Engineering Projects"
5 December 2015 (Saturday), Hong Kong Productivity Council**

Time	Topics	Speakers
9:00 – 9:30 am	Registration	
9:30 – 9:40 am	Welcome Address	John Cowland (Chairman of AGS HK)
Session I – Chairman (Ir. John Cowland)		
9:40 – 10:30 am	AGS Data Format - Enabling BIM Modelling of the Sub-surface	Dr. Roger Chandler (Keynetix)
10:30 – 11:00 am	Coffee Break	
11:00 – 11:30 am	The Influence of Ground Conditions on the Choice of Instrumentation and Monitoring Regimes	Dr. Angus Maxwell (Maxwell GeoSystems)
11:30 – 12:00 am	Application of Geophysical Techniques in Land Related Projects	Dr. Margie Chen (EGS Asia)
12:00 – 12:30 pm	Panel Discussion / Q&A	
12:30 – 1:30 pm	Lunch (not included)	
Session II – Chairman (Ir. Y.C. Chan)		
1:30 – 2:00 pm	Guidelines on the Description and Classification of Rocks of the Tuen Mun Formation	Prof. Rod Sewell (CEDD/HKSAR)
2:30 – 3:00 pm	The Application of Horizontal Directional Coring and Horizontal Directional Drilling Techniques for Projects in Hong Kong	Mr. M. P. Chan (Intrafor HK)
2:00 – 2:30 pm	Recent Development in the Sonic Drilling Method and Improvements in Standard Penetration Tests	Ir. Raymond S M Chan (Bachy Soletanche)
3:00 – 3:30 pm	Coffee Break	
3:30 – 4:00 pm	Development of Special and Advanced Laboratory Apparatus and Applications in Testing the Behaviour of Geo-materials	Prof. Jian-hua Yin (HK Poly U)
4:00 – 4:30 pm	Near-shore Marine Ground Investigation Practice	Ir. Carlton Hall (Fugro Geotechnical Services)
4:30 – 5:00 pm	Panel Discussion / Q&A	
5:00 pm	Distribution of CPD Certificates	



Application of Horizontal Directional Coring (HDC) and Horizontal Directional Drilling (HDD) for Projects in Hong Kong (M.P. Chan of Intrafor (Hong Kong) Ltd)

HDC has a long history in Hong Kong. Its development can be dated back 30 years. Initially, it started as long horizontal hole drilling at portals of tunnel projects with direction monitoring. Then it evolved to a direction control method for long horizontal holes. In the late 1990s the first GI contract with HDC holes was awarded for the Cheung Ching Tunnel. Since then, the HDC technique has become widely used for tunnelling GI in Hong Kong.

This presentation will cover all aspects of the HDC technique, including its development in Hong Kong, an explanation of how it works, major plant and equipment used, and its limitations and applications. The second part of the presentation will cover a general review of current HDD projects in Hong Kong, the basic typical HDD techniques, complicated HDD techniques, its application and the difference between HDD and HDC. Finally, the feasibility of applying the HDD technique in HDC projects, to eliminate the limitations of HDC, will be reviewed.

About the Speaker:

M.P. Chan is the Operations Manager (Ground Investigation & Geotechnical Works) for Intrafor (HK) Ltd. He has more than thirty years' experience with different types of drilling, grouting, ground anchors and piling works. He has conducted pioneering projects using marine CPT, Delft sampling, horizontal TAM grouting, ODEX drilling, post-pressure grouting micro-piles, soil nailing, HDC, vibro-coring, inclined marine hole drilling from jack-ups, and 600 mm diameter pre-bored reinforced concrete piles.

In recent years, M.P. Chan has developed Intrafor's steerable core barrel drilling system for HDC projects, and directed HDD directional drilling projects for civil engineering applications. These projects have included horizontal ties for the former Marine Police HQ (1881 Heritage), the YSW and SKW submarine outfalls at Lamma Island, MTRC704 83 m long ground freezing holes and 800 mm diameter canopy pipes (up to 70 m long) through grouted rock fill for the HZM Bridge HKLR project.



The Recent Development of the Sonic Drilling Method and Improvements in the Standard Penetration Test (Ir. Raymond S. M. Chan of Bachy Soletanche Group Ltd)

The sonic drilling method can be three to five times faster than conventional drilling techniques, and it is suited for all overburden formations particularly in difficult and mixed ground layers. This drilling method is very effective with less wastage produced and with less effect on sensitive structures, and it has almost no directional deviation problem. The pros and cons for the adoption of the sonic drilling method in foundation and geotechnical engineering will be discussed.



The local practice of the Standard Penetration Test (SPT) in Hong Kong, and the blow count methods will also be discussed. In addition, the effect of non-standardized SPT equipment and varying execution of the blow count method in Hong Kong and other countries will be discussed. The correlation of SPT values from different regions have a large variation. Previous work from different authors will be reviewed and ideas for improving SPT interpretation through the adoption of SPT corrected N_{60} and $(N_1)_{60}$ values will be presented.

About the Speaker:

Mr. Raymond Chan is the Project Manager of Bachy Soletanche Ltd. He has more than thirty years of experience in tendering, contractual management and site supervision of projects. He also provides technical support for projects, particularly in engineering geology. He has worked on a wide variety of geotechnical projects in Hong Kong, Southeast Asia and Mainland China in the fields of ground investigation, directional drilling, instrumentation, piled foundations, ground anchors, slope greening, site formation, soil and rock grouting, vibro-flotation and soil lime stabilization.

Raymond is the GI Working Group Leader of AGS HK, and the Vice-Chairman of Site Investigation for Contractors Corporate of HKCA. He is also an Editor and Committee Member of the Professional Branch of the Geological Society of Hong Kong, and a Member of the CEDD Working Group for updating the GEO Publication: Geoguide 4 - Cavern Engineering.

Development of Special and Advanced Laboratory Apparatus and Applications in Testing of the Behaviour of Geo-materials (Prof. Jian-Hua Yin of HK Poly U)

Prof Yin will discuss the use of suction controlled shear boxes for interface shear strength measurement, and he will present a new double cell cyclic triaxial cell with small-strain measurement (using local LVDTs on the sample), and bender elements for G_{max} all under cyclic loading for both saturated and unsaturated soil specimens.

About the Speaker:

Professor Yin received a BEng degree in 1983 from Chongqing University, an MSc degree from the Institute of Rock and Soil Mechanics of the Chinese Academy of Sciences in 1984, and a PhD from The University of Manitoba, Canada in 1990.

Prof. Yin joined the Hong Kong Polytechnic University in 1995, and became the Chair Professor of Soil Mechanics in 2014. He has played a leading role in the development of advanced soil testing equipment and innovative optical fibre sensors. He has established a large-scale multi-purpose physical modelling facility for studying geo-hazards, and organised a number of regional and international conferences.

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GSHK Publication Archives

Seminar Collection

The Geological Society of Hong Kong has archived the past seminar records for the members' information. If you are interested of them, please click on the links below for the records in pdf format (you will need acrobat reader).

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Seminar Collection List :

Ref No	Date	Seminar Title	Speaker	
	2013-06-17	"My Experience in Antarctica" 2012	Mr. Barry Tam	
	2013-06-19	"Iran in Picture 2013"	Prof. Vincent Wong	
	2013-07-16	"The Hashemite Kingdom of Jordan"	Prof. Vincent Wong	
	2013-07-22	"An Introduction to Geology "	Prof. Vincent Wong	
	2013-09-11	"Danxia Landscape"	Prof. Vincent Wong	
	2014-06-16 (Updated)	"Columnar Joints"	Prof. Vincent Wong	
	2013-07-10 (Updated)	"An introduction to Paleontology "	Prof. Vincent Wong	
	2014-03-26	"Tasmania "	Prof. Vincent Wong	
	2014-06-19	Taiwan Penghu Impressions: 23-27 May 2014	Miss. Carina KHAN	
	2014-11-15	"What Happened in HK After the High Island Super-eruption?"	Miss. Denise Tang of CEDD	
	2014-12-02	Non-textbook Flowslides in Fine-grained Colluvium	Mr. Oldrich Hungr	
	2015-03-19	Some Myths of Consolidation Settlement	Ir Prof. Philip Chung of CEDD	
	2015-04-28	GSHK Talk on HK Paralycoptera	Mr. Edison Tse	
	2015-05-22	Geological Settings and Formation of Jade	Miss. Trudy Kwong of BMI Technical Consulting (Resources) Ltd	
	2015-06-30	The Practice of Ground Investigation in Hong Kong and its Development - Part 1	Ir. Raymond S M Chan of Bachy Soletanche Group	
		The Practice of Ground Investigation in Hong Kong and its Development - Part 2		
		The Practice of Ground Investigation in Hong Kong and its Development - Part 3		
	2015-07-30	"Climate Change - Clear and Present "	Mr. Sham Fu Cheung	
	2015-09-22 (Updated 2016-04-08)	"Mollusks"	Prof. Vincent Wong	
	2015-09-22 (Updated 2016-04-08)	"Man"	Prof. Vincent Wong	
	2015-09-22 (Updated)	"Republic of Iceland - The Land of Fire and Ice "	Prof. Vincent Wong	



土木工程拓展署
Civil Engineering and
Development Department

Web site 網址 : <http://www.cedd.gov.hk>
E-mail 電子郵件 : juliankwan@cedd.gov.hk
Telephone 電話 : (852) 2762 5362
Facsimile 傳真 : (852) 2714 0275
Our ref 本署檔號 : STD-30-2030-18-2
Your ref 來函檔號 :

土力工程處
Geotechnical Engineering Office

香港九龍公主道 101 號
土木工程拓展署大樓
Civil Engineering and
Development Building,
101 Princess Margaret Road,
Kowloon, Hong Kong

22 January 2018



Mr Raymond Chan
The Geological Society of Hong Kong
P.O. Box 97068
Tsim Sha Tsui Post Office
Kowloon

Dear Mr Chan,

Geoguide 4 - Guide to Cavern Engineering (Second Edition)

The Geotechnical Engineering Office of the Civil Engineering and Development Department has published an updated geotechnical guidance on rock cavern engineering, Geoguide 4 (Second Edition). This Geoguide presents a recommended good engineering practice for rock cavern developments in Hong Kong. It also serves as a reference document for non-specialists involved in the planning and administration of cavern projects. The soft copy of the Geoguide can be obtained through the link http://www.cedd.gov.hk/eng/publications/geo/geo_g4.html.

I would like to thank you for your contributions to the Working Group on the preparation of the Geoguide. Your valuable comments and suggestions on the draft document have been incorporated as far as possible.

Yours sincerely,

(Julian S H Kwan)

Chief Geotechnical Engineer/Standards and Testing
Geotechnical Engineering Office
Civil Engineering and Development Department

Contact List of Working Group on Updating of Geoguide 4

Member		Affiliation	Phone	Email
Ir	Edwin CHUNG	The Hong Kong Institution of Engineers (Geotechnical Division)	9492 3949	sre.edwinchung@tolo2.com
Ir	Florent DESAINTPAUL	The Working Group on Cavern and Tunnel Engineering The Hong Kong Institution of Engineers (Geotechnical Division)	3556 3039 6602 9150	florent.desaintpaul@lambeth.com.hk
Ir	Clayton CHAN	The Association of Geotechnical and Geoenvironmental Specialists (Hong Kong)	9802 0470	clayton.chan@aecom.com
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Mr	Chris JACK	The Geological Society of London (Hong Kong Regional Group)	6790 3864	chris.d.jack@gmail.com
Ir	Raymond S M CHAN	The Geological Society of Hong Kong	9408 4468 2369 2869	geolsoc.hongkong@gmail.com, ray_smchan@yahoo.com.hk
Dr	Gareth PAGE	The Hong Kong Tunnelling Society	9863 6722	gareth.page@macdow.com.au
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Ir	Florence W Y Ko	Standards & Testing Division, GEO, CEDD (Secretary)	2762 5346	florencoko@cedd.gov.hk

Geoguide 4

Guide to Cavern Engineering

**Geotechnical Engineering Office
Civil Engineering and Development Department
The Government of the Hong Kong
Special Administrative Region**

Working Group:

Buildings Department

Mr A.A.R. Tam (before 18 October 2013)

Mr C.S. Ho (since 18 October 2013)

Civil Engineering and Development Department

Mr H.Y.K. Shiu (Chairman) (before 2 September 2015)

Dr H.W. Sun (Chairman) (between 2 September 2015 and 1 January 2017)

Dr J.S.H. Kwan (Chairman) (since 2 January 2017)

(Secretary) (between 6 September 2015 and 1 January 2017)

Dr C. Franks (before 13 November 2014)

Mr Y.K. Ho (since 31 July 2015)

Mr C.C.H. Lam (between 3 January 2015 and 30 July 2015)

Mr P.P.W. Leung (since 13 November 2014)

Dr K.C. Ng (before 3 January 2015)

Mr K. Roberts

Mr J.Y.F. Wong (since 3 January 2015)

Ms F.W.Y. Ko (Secretary)

MTR Corporation Limited (Geotechnical Division)

Mr A. Yates

The Association of Geotechnical and Geoenvironmental Specialists (Hong Kong)

Mr C. Chan

The Geological Society of London (Hong Kong Regional Group)

Mr C. Jack (before 13 August 2013)

Mr R. Sung (since 13 August 2013)

The Geological Society of Hong Kong

Mr R.S.M. Chan

Raymond S.M. Chan

The Hong Kong Tunnelling Society

Dr G. Page

The Hong Kong Institution of Engineers (Geotechnical Division)

Mr E. Chung

The Hong Kong Institution of Engineers (Geotechnical Division) – The Working Group on Cavern and Tunnel Engineering

Mr F. Desaintpaul (before 25 March 2014)

Mr D. Salisbury (since 25 March 2014)

The Institute of Materials, Minerals and Mining (Hong Kong Branch)

Mr G. Bridges

The Institute of Quarrying (Hong Kong Branch)

Mr P. Fowler



ANNOUNCEMENT
AGS (HK) Technical Competition

Final Year Projects Competition 2013

- Date :** Tuesday, 14th May 2013
- Time :** 6:30 pm – 9:00 pm (refreshment starts 6:00 pm)
- Venue :** Function Room, 1/F, Hong Kong Productivity Council, 78 Tat Chee Avenue, Kowloon
- Enquiry :** For enquiries, please contact S W Lee (swlee@golder.com.hk, 2591 1713)
- Seminar Fee :** Free of charge
- Registration :** No prior registration is required. Seating capacity is provided for approximately 150 people. An attendance CPD certificate will be provided after the seminar.
- Book Prize:** Book prize is open to all young attendants under 35 years old for the submission of a good quality report (max. 500 words) on this event. Book Prize reward comprises a book "Geology of Site Investigation Boreholes in Hong Kong" by Chris Fletcher and book coupon HK\$ 300 from Page One. Please submit your report to swlee@golder.com.hk, AGS (HK)'s Honorary Secretary. Please refer to AGS (HK)'s website for details of Book Prize.

Synopsis :

Following the success of last year's inaugural event, the AGS (HK) is delighted to organise the second Final Year Projects Competition 2013 for local undergraduates from CityU, HKU, HKUST and PolyU. The competition is aimed to recognise excellence in the research fields of geotechnical/geological/geo-environmental engineering at the final year undergraduate level and to provide a platform for graduating engineers/geologists to polish their skills in presentation, and Question and Answer.

There will be 9 nominated students giving presentations. Each student will be given 10 minutes for presentation, followed by a brief Question and Answer session. The judging criteria are the technical content of the research and their presentation skills. The members of the Judging Panel are:



1. **Ir Raymond CHAN (Bachy Soletanche)**
2. Ir Y C CHAN (formerly Head of Geotechnical Engineering Office)
3. Ir Dr Johnny CHEUK (AECOM)
4. Ir Dr C K LAU (Fong On Construction Ltd)
5. Ir Dr Axel NG (AECOM)
6. Ir Dr Samuel NG (Geotechnical Engineering Office)
7. Ir Dr Jack PAPPIN (Arup)

Prizes will be awarded during the competition to the Winner (HK\$ 5000), First runner-up (HK\$ 3000) and Second runner-up (HK\$ 2000).

The presenting final year undergraduates are:

Universities	Project Titles	Students
CityU	Multi-particle crushing tests and normal load-deflection behaviour at the contacts of soil particles including the effects of shape descriptors and particle type	SZE Chun
HKU	Discrete Element Method simulation of undrained biaxial response of soil under monotonic loading	CHAM Fu Kwan
HKU	Evaluating liquefaction resistance by shear wave velocity	GUO Yi, Bruce
HKU (Earth Science)	Geochronological constraints on the polyphase deformation of Chinese Altai: Implications for tectonic evolution of the Central Asian Orogenic Belt	WU Qihang
HKU (Earth Science)	ZIRCON U-PB Geochronology and geochemistry of the Tuen Mun Formation and tectonic implications	LI Yan Hei Martin
HKUST	Quantitative risk assessment of debris flows and landslides along Province Road 303 in Sichuan, China	WONG Lok Him & TSANG Mei Sze
HKUST	Ground improvement using interlock-able plastic bottles	YEUNG Ying Yung
PolyU	Study of cement-soil mixed pile and vertical drain for soft soil improvement in model tests	MAN Ka Yan
PolyU	Experimental and numerical investigation of debris flow	LEE Kam Hang

Note: The above list has been arranged in the alphabetical order of the university names.



香港岩土及岩土環境工程專業協會
ASSOCIATION OF GEOTECHNICAL &
GEOENVIRONMENTAL SPECIALISTS (HONG KONG)

c/o 2602, Golden Centre, 188 Des Voeux Road, Central, Hong Kong

Contact: John Cowland, Tel: (852) 2527 6283, Fax.: (852) 2591 1730, E-mail: johncowland@aimgrp.com

Website: www.ags-hk.org

ANNOUNCEMENT
AGS (HK) Technical Competition

Final Year Projects Competition 2014

- Date** : Thursday, 29th May 2014
- Time** : 6:30 pm – 9:00 pm
- Venue** : 1/F Lecture Theatre, Hong Kong Productivity Council, 78 Tat Chee Avenue, Kowloon
- Enquiry** : For enquiries, please contact Ricky Lee (rickylee@golder.com.hk, 2591 1713)
- Seminar Fee** : Free of charge
- Registration** : No prior registration is required. Seating capacity is provided for approximately 100 people. An attendance CPD certificate will be provided after the seminar.
- Book Prize** : Book prize is open to all young attendants under 35 years old for the submission of a good quality report (max. 500 words) on this event. Book Prize reward comprises a book "Geology of Site Investigation Boreholes in Hong Kong" by Chris Fletcher and book coupon HK\$ 300 from Page One. Please submit your report to swlee@golder.com.hk, AGS (HK)'s Honorary Secretary. Please refer to AGS (HK)'s website for details of Book Prize.

Synopsis :

Following the success of last year's event, the AGS (HK) is delighted to organise the third Final Year Projects Competition 2014 for local undergraduates from CityU, HKU, HKUST and PolyU. The competition is aimed to recognise excellence in the research fields of geotechnical/geological/geo-environmental engineering at the final year undergraduate level and to provide a platform for graduating engineers/geologists to polish their skills in presentation, and Question and Answer.

There will be 9 nominated students giving presentations. Each student will be given 10 minutes for presentation, followed by a brief Question and Answer session.

The judging criteria are the technical content of the research and their presentation skills. The members of the Judging Panel are:



1. Ir Clayton CHAN (AECOM)
2. Ir Raymond CHAN (Bachy Soletanche)
3. Ir Y C CHAN (formerly Head of Geotechnical Engineering Office)
4. Ir Dr C K LAU (Fong On Construction Ltd)
5. Ir Dr Samuel NG (Geotechnical Engineering Office)
6. Ir Dr Jack PAPPIN (Arup)
7. Ir Barry SUM (AECOM)

Prizes will be awarded during the competition to the Winner (HK\$ 5000), First runner-up (HK\$ 3000) and Second runner-up (HK\$ 2000).

The presenting final year undergraduates are:

Universities	Project Titles	Students
CityU	Probabilistic Characterization of Effective Friction Angle and its Application to Reliability based Design of Foundation	Man Hin MOK
HKU	Effect of Particle Breakage on the Performance of Fibre Reinforcement of Soil	Manrique VARGAS
HKU	Image Analysis of the Failure Envelope in Shallow Foundation	Tsz Fung WONG
HKU (Earth Science)	Reconstruction of the sedimentary environment of the Dajiangping SEDEX deposit in Yunfu, Guangdong, South China	Clement Ka Man TAM
HKU (Earth Science)	Hong Kong's First Mesozoic Fish: Osteological Description and Implications	Tze Kei TSE
PolyU	Distinct element modeling of bearing capacity problem	Franklin TO
PolyU	Geological Investigation in Tai Lam Chung Area	Wai Lun HO
HKUST	Mitigating soil liquefaction and ground shaking during earthquakes using reinforcement piles	Tsz Ho AU
HKUST	Integrated bio-engineered live slope cover	Yu Tang CHEUNG



香港岩土及岩土環境工程專業協會
ASSOCIATION OF GEOTECHNICAL &
GEOENVIRONMENTAL SPECIALISTS (HONG KONG)

3605 AIA Tower, 183 Electric Road, Hong Kong

Contact: John Cowland, Tel: (852) 2527 6283, Fax.: (852) 2591 1730, E-mail: johncowland@aimgrp.com

Website: www.ags-hk.org

ANNOUNCEMENT
AGS (HK) Technical Competition

Final Year Projects Competition 2015

- Date** : Monday, 08th June 2015
- Time** : 6:30 pm – 9:00 pm
- Venue** : Room 108, Hong Kong Productivity Council, 78 Tat Chee Avenue, Kowloon
- Enquiry** : For enquiries, please contact Ricky Lee (rickylee@golder.com.hk, 2591 1713)
- Seminar Fee** : Free of charge
- Registration** : No prior registration is required. Seating capacity is provided for approximately 100 people. An attendance CPD certificate will be provided after the seminar.
- Book Prize** : Book prize is open to all young attendants under 35 years old for the submission of a good quality report (max. 500 words) on this event. Book Prize reward comprises a book "Geology of Site Investigation Boreholes in Hong Kong" by Chris Fletcher and book coupon HK\$ 300 from Page One. Please submit your report to rickylee@golder.com.hk, AGS (HK)'s Honorary Secretary. Please refer to AGS (HK)'s website for details of Book Prize.

Synopsis :

The AGS (HK) is delighted to organise the fourth Final Year Projects Competition 2015 for local undergraduates from CityU, HKU, HKUST and PolyU. The competition is aimed to recognise excellence in the research fields of geotechnical/geological/geo-environmental engineering at the final year undergraduate level and to provide a platform for graduating engineers/geologists to polish their skills in presentation, and Question and Answer.

Each nominated student will be given 10 minutes for presentation, followed by a brief Question and Answer session.

The judging criteria are the technical content of the research and their presentation skills. The members of the Judging Panel are:



1. Ir Albert HO (Arup)
2. Ir Raymond CHAN (Bachy Soletanche)
3. Ir Y C CHAN (formerly Head of Geotechnical Engineering Office)
4. Ir Dr Johnny CHEUK (AECOM)
5. Ir Dr S W LEE (Golder Associates (HK) Ltd)
6. Ir Dr Suraj DESILVA (SMEC)

Prizes will be awarded during the competition to the Winner (HK\$ 5000), First runner-up (HK\$ 3000) and Second runner-up (HK\$ 2000).

Details of the presenting final year undergraduates will be provided later.

The presenting final year undergraduates are:

Universities	Project Titles	Students
PolyU	Size effect on point load test applied to irregular rock lumps	Yuecheng YU
PolyU	Dynamic Response and Stability of Underground Tunnels	Nga Man LAM
CityU	The Mechanical Properties of Volcanic Soils Mixed with Tyre Rubber	Po Ying WONG
CityU	The Mechanics of Sand Reinforced with PET	Carman YEUNG
HKU	Laboratory Study of Permeability of Granular Soils	Tsz Ho CHAI
HKU	Evaluation of Termination Criteria for Driven Piles	Wing Lam YEUNG
HKUST	Effects of arbuscular mycorrhizal fungi (AMF) on hydraulic and mechanical properties of vegetated soil	Pui San SO
HKU – Earth Science	invG- A MATLAB programme for forward modelling and compact inversion of gravity data	Ching Kit WONG
HKU – Earth Science	Zircon U-Pb ages, Hf isotopic study and geochemistry of the Habahe Batholith, NW China and their tectonic implications	Regine Wing Sum TSUI