HKIE THE HONG KONG INSTITUTION OF ENGINEERS 香港工程師學會

Veneree Club
睿賢學社

HKIE THE HONG KONG INSTITUTION OF ENGINEERS 香港工程師學會

Young Members Committee
青年會員事務委員會

Engineering Exposition -
From Engineering Career to Life Challenges

11 May 2013 2:30 - 10:30 pm

Lower Lobby (Plaza 1-4),
Novotel Century HK Hotel
Wan Chai, Hong Kong

Engineering Exposition is jointly Organised by HKIE Veneree Club and HKIE Young Members Committee

Engineering Exposition Programme

2:30 – 2:35 pm	**Speech:** President of the HKIE, Ir Prof CHOY Kin Kuen
2:35 – 4:30 pm	**First Session** (Speaker presentation and Panel Discussion)
4:30 – 4:45 pm	**Coffee Break**
4:45 – 6:40 pm	**Second Session** (Speaker presentation and Panel Discussion)
6:40 – 6:45 pm	**Speech:** YMC Chairman, Ir Iman LAI Wai Man
6:45 – 7:30 pm	**Cocktail Reception** (Young & Experienced Engineers Networking)
7:30 – 10:25pm	**Dinner Programme**
	CEO Speech (Part 1)
	Decision in 10 Second (Individual Competition)
	CEO Speech (Part 2)
	Colour Cubes Challenge (Group Project Competition)
	Sharing of Networking Result
	CEO Speech (Part 3)
	Sing a Song: Engineering Exposition OC Members
10:25 – 10:30pm	**Speech:** Veneree Club Chairman, Ir John SZE Tak Wei

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First Session Speakers:
CHEUNG Shu Wing
CHOI Yu Leuk
LAU Ching Kwong
Gregory LO Chun Hung
John SZE Tak Wei
WONG Tak Ko

Second Session Speakers:
CHAN Fuk Cheung
CHOW Che King
Henry LAM Hing Cheung
Wanbil LEE
Ian ROBERTSON
Jolly WONG Chun Kau

CEO Speakers:
Derrick PANG

TC CHEW (Video)
Paul POON

CT WAN (Video)
James CHIU

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Contents

Chairman's Message – Young Members Committee

HKIE-YMC was established in 1985 and its vision throughout these 28 years is to serve the need of young members and nurture young engineers to become future leaders in the engineering industry, the society and the international community. With over 5,500 Registered Young Members (RYMs) from 20 engineering disciplines, HKIE - YMC stands alone as one of the most prominent young engineers' bodies in Hong Kong.

To enhance the technical competence and communication skills of young engineers for their personal development under the theme of this Session "Engineer the Community with Innovation and Exploration", YMC co-organizes the Engineering Exposition – from Engineering Career to Life Challenges – with the HKIE Veneree Club. This exposition will not only allow experienced engineers to share with young engineers their gains and insights over their decades of working through presentation and panel discussion, but also provide opportunities for both experienced and young engineers to work together in small project work. We could also know more about the management ideas and practice during 1922 - 1997 through exhibition boards. It is therefore the first of its kind adopting an innovative approach to share the management thoughts, history, experienced engineers' stories of career and life challenges, and to enhance communication and teamwork skills. When looking backward ten to twenty years later, I hope that the young ones could reflect from the experienced ones' priceless gains and insights, and continue to explore their engineering future to build a better HK.

I would like to thank the generous support of the Veneree Club, honorable speakers and guests, sponsors and the Organizing Committees of this Engineering Exposition.

Ir Iman LAI Wai Man
11 May 2013

HKIE Young Members Ccommittee Activities

2012/2013 was the 28th year of the HKIE-YMC. We continue to serve members of all grades and disciplines at or below the age of 35. Over 100 events are regularly held each session. From seminars to site visits, from career talks to leadership camps, from community services to sport events, from joint functions with various professional bodies to international engineering conferences, from Mainland Delegations to Overseas Delegation. Our goal is to develop young engineers into well-rounded leaders equipped with not only technical competence, but also communication and management skills.

The HKIE Joint Institutes Innovation Competition – "Step in City, Head for Novelty"

Regional Cooperation Series in Hong Kong, Macau and Guangdong Province

Thematic Land Supply Series – Land Forming, Cavern Development & Reclamation

CAFEO 30 and YEAFEO 19

Volunteer Programme for the Elderly in Need

Business Administration Application to Young Engineer Series

東北三省工程文化考察團

YMC Overseas Delegation 2013 to Germany

Chairman's Message – Veneree Club

Under the HKIE Presidency of Ir Dr FC Chan, the idea of HKIE being a home for engineers for life, to better serve its members, and to reunite retired members, was implemented. Starting from the third quarter of 2011, a number of tea gatherings were organized and subsequently on 18 Jan 2012, the Veneree Club was inaugurated. Veneree is the French word for Venerated Person. The Club's Chinese name is called "睿賢學社".

Since the establishment of Veneree Club, two roles were fulfilled. Each month, regular meetings were organized with light and interesting talks where retired engineers could expand their knowledge as well as meet both new and old friends. Thought these gatherings, we are able to motivate some 100 retired engineers to actively participate. As a result, some of these retired engineers subsequently served as school engineers, acted as school ambassadors, and gave professional lectures in their own field. According to HKIE's record, there are more than 500 retired engineers. I believe our Veneree Club can organize more meaningful activities for our retired members to enjoy and contribute.

On 11 May 2013, the HKIE Veneree Club and HKIE Young Members Committee will jointly organize an event " Engineering Exposition - from Engineering Career to Life Challenges". This event allows experienced engineers to share their career knowledge and related engineering history with young engineers. An Organizing Committee for The Engineering Exposition was formed from committee members of both Veneree Club and Young Members Committee. It is definitely a remarkable co-operation.

I would like to express our appreciations to our sponsors who provided the required financial support, without which the event could not be organized in such an appropriate setting. We are also grateful to 5 CEO speakers sharing their engineering management skills with the young engineers, of which two of them are out of town but provided pre-recorded video. Of course, I must also thank our 12 experienced engineers for giving their valuable career insights in terms of motto, career target, case recall and advice, and all our organizing committee members of the event for their hard working during the past few months of preparation.

Finally, thank you for all the Engineering Exposition participants and I wish you all have a successful and fulfilling career.

Ir John SZE Tak Wei
11 May 2013

HKIE Veneree Club Activities

2012/2013 was the second year of the establishment of the Veneree Club. Retired members celebrated their Anniversary of the Veneree Club in the Tea Gathering held on 16 Jan 2013. In each Tea Gathering which normally held on the third Wednesday morning of each month, presentation by profound speakers was of wide varieties as illustrated by the following list.

Hiking/Visit

23 Feb 2012 Wu Kau Tang
28 Mar 2012 Tung Chung to Tai O
24 Apr 2012 Catiline Kindergarten
6 Jun 2012 Kat O, Ap Chau and Lai Chi Wo
27 Feb 2013 Hong Kong Geopark

Health Talks

19 Oct 2011 Qigong
18 Jan 2012 Hiking
18 Apr 2012 Improving Memory
17 Oct 2012 Tai Chi
16 Jan 2013 Self-stretch
20 Mar 2013 Heart Disease
24 Apr 2013 Da Yan Qi Gong

Other Talks

14 Sep 2011 First tea gathering
16 Nov 2011 Cantonese Opera.
14 Dec 2011 Mind mapping
22 Feb 2012 Six Hats Thinking
21 Mar 2012 From Technology to Culture
16 May 2012 Understanding Culture
18 July 2012 Climate Change
15 Aug 2012 Cantonese language
12 Sep 2012 Speciation on Galapagos
14 Nov 2012 Telecom History in HK
12 Dec 2012 Chinese Poems and Lyrics
20 Feb 2013 Investment










Ir CHEUNG Shu Wing 張樹榮

BSc.(Eng.)Hons., DipM.S., CEng; FHKIE
Disciplines: Electronics, Information Technology

Ir Cheung has extensive experience in semiconductor industry, specializing VLSI design and manufacturing. Throughout his 2.5 years at Philips Semiconductors and 26.5 years at Motorola Semiconductors, he worked on various areas including design, manufacturing, marketing and business management. During his last 10 years career at Taiwan and Hong Kong Science Parks, he contributed to high technology start-ups and lab infrastructure set-up in Hong Kong and China. As an angel investor over the past 14 years, Ir Cheung invested in 10 high technology start-ups with two successful return-on-investments of 38 times and 18 times respectively. Currently, there are still 6 companies active with 2 of them set up within the last 6 months.

Motto

Personal belief --- uncompromising integrity, be trustworthy and honest
Personal values --- family, health, honesty, respect and diversity
Job behavior --- commit, communicate and change

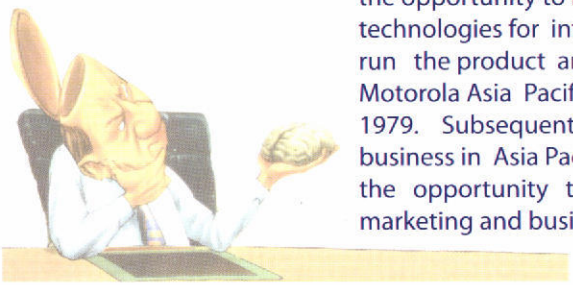
Targets

Early: Learn all aspects of the semiconductor industry, seize every opportunity to acquire whatever new knowledge required.

Later: Help to incubate high technology start-ups by sharing personal experiences as advisor.

Case 1

I joined Philips Semiconductors in June 1970 after graduation from HKU, learning the fundamental of new series of transistors for radio applications. In Jan 1973, I joined Motorola Semiconductors and gained the know-how in product engineering capability for RF transistors, fast recovery rectifiers, and later integrated circuits. After I was given the opportunity to be trained in USA in manufacturing technologies for integrated circuits, I was assigned to run the product and test engineering operations for Motorola Asia Pacific Semiconductor Division in Nov 1979. Subsequently, I took up the integrated circuit business in Asia Pacific region in Jan 1982, giving me the opportunity to develop the skill required for marketing and business management.



Case 2

In Jan 1992, I was transferred to USA to run a global consumer integrated circuit operation with more than 1000 people around the world reporting to me – strengthening my skills in running global technology business. I was given a challenging assignment to transform a high voltage, high cost automotive BICMOS process into a low voltage, low cost consumer BICMOS process, to be set up in Tianjin China to manufacture consumer integrated circuits for worldwide needs. I returned to Hong Kong in Jul 1995 as General Manager of the Global Consumer Integrated Circuits Division and in 1996 as Corporate Vice President.

Case 3

In Jul 1999, Motorola sold a major portion of my business together with myself and 35 engineers to a Taiwan corporation as a management buyout. I started up one Integrated Circuit Design company in Hong Kong and one Wireless System Design company in Taiwan. In Jun 2002, I joined Hong Kong Science and Technology Parks as Vice President with a major responsibility to build the technology infrastructure at HK Science and Techology Parks, thus establishing 7 different laboratories to help Hong Kong and China technology companies to move from design concept to mass production. I was also responsible to incubate over 200 high technology start-ups until I retired in Apr 2009.

Advice 1: Understand the role of engineers

Engineers are not scientists. Engineers do not invent or discover new knowledge but engineers can apply and use new knowledge to its fullest commercial values to help improve Quality Living conditions. Engineers are not valued by a few success cases in the research labs but valued by the commercial wealth created by repetitive manufacturability and reproducible capability of the innovative product where ideas are generated from the labs.

Advice 2: Brave to take risk and plan for the remedial measures

Engineers are effective problem solvers and should be good scenario planners. Engineers should not be afraid to take up new challenges. Making mistakes are normal and as long as we know how to correct the mistakes effectively with different alternatives for different scenarios planned ahead. A good product plan is a plan that can accommodate unforeseen hurdles that are not controllable.

Advice 3: Understand the role of Hong Kong in high technology development for China

I set up the '7+1' collaboration linking up Hong Kong with seven national R&D bases in China namely Beijing, Shanghai, Xi'an, Shenzhen, ChengDu, WuXi, and Hangzhou while I was at Hong Kong Science and Technology Parks. Through the lab infrastructure I built, more than 40 Chinese High Technology companies got access to technologies not available in China. Hong Kong became the bridge between China and the world on high technology transfers and protection of intellectual property rights.

Advice 4: Learned from experienced engineers to avoid repeated mistakes

Experienced engineers should be good advisors to young engineers so that the same mistakes would not be repeated. Young engineers have many new ideas but they may lack of executable business plans, particularly to turn their ideas into saleable and profitable products. The average success rate of high technology start-ups is around 30% worldwide. But even with only one third of the ideas creating wealth for the society, the money reward and the personal achievement motivation obtained is really deserved to putting in more efforts.

Ir CHOI Yu Leuk 蔡宇略

BSc(Eng), BSc Special, ME, PhD
FHKEng, FHKIE, FICE, CEng, MASCE
Disciplines: Civil, Hydraulics, Urban Development Mgt

蔡宇略工程師是香港工程學科院院士，香港特區政府前屋宇署署長。退休前長期負責城市建設工作，退休後在香港大學兼任教授城市建設管理。他重視理論與實務的創新結合。香港第一份長遠發展策略是他的代表性創作。

Motto
在平凡中創新求進步！工程不外乎有機應用知識以改善民生！
Innovate for progress from routine work. Engineering is nothing else but the systematic application of knowledge for the betterment of livelihood!

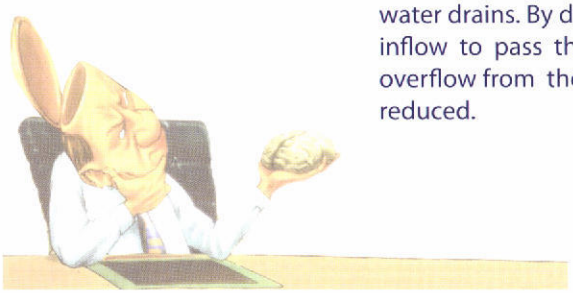
Targets

Early: 增強分析能力。博覽科工新發展報導。深入研習一門專科。廣泛應用知識。

Later: 參與社會事務。關心國家發展。繼續未完項目。開拓有益民生的新領域！

Case 1

I was responsible for managing district development works of Hong Kong Island in the Highways Office for 5 years (1973-1977) While most of the items were minor and routine, the few exceptions of difficult cases provided the opportunity for innovation that helped advance the engineering practice using basic principles. An example was the improved design of the standard sand trap which is provided at the inlet to storm water drains. By directing only the lower layer of the inflow to pass through the sand trap, the risk of overflow from the sand trap during heavy rains was reduced.



Case 2

In 1981 Government circulated an initial plan of formulating Hong Kong's Territorial Development Strategy for the first time. The objective was long term adequacy of land supply and housing. As traffic congestion was a critical issue, I proposed a new method that integrates the two traditionally separate disciplines of land use and transport planning. Hong Kong subsequently became the first major city for which the urban development strategy was successfully planned and implemented with the new approach of simultaneous optimization of land use and transportation (LUTO).

Case 3

After retiring from government service, I continue to pursue the safety of existing buildings as a voluntary engineer. In 2003, I organized a community project to help building owners to improve the management of building repairs. Together with several former colleagues, we demonstrated the effectiveness of a new approach to control the cost of small repair contracts. Recently, we demonstrated the effectiveness of a new direct approach to investigate the source of water seepage in buildings.

Advice 1:

志乎其大；切實規劃。循序漸進；逐步推行五年十年計劃。

Advice 2:

重視現在，不輕視平凡事務。深廣增加及應用知識，逐步建立信譽。
(Case 1)

Advice 3:

分辨事務輕重，小心分析最佳對策。機會來臨時，不怕排眾議，創新猷。
(Case 2)

Advice 4:

堅定信念。堅持原則。不畏阻力。致力促進社會進步。
(Case 3)

Ir LAU Ching Kwong 劉正光

BSc MSc PhD FICE FIStructE FCIHT FHKIE
FHKIHT MASCE FHKEng
President HKIE (2002/03), President HKIHT (2003/06)
Disciplines: Civil, Structural

Ir Dr. Lau has over 40 years experience in the implementation of infrastructure projects, in particular the management of large projects. The most notable projects are the three world class cable-supported bridges, namely the Tsing Ma bridge with a span of 1,377m, being the world's longest suspension bridge carrying both road and rail; the Kap Shiu Mun bridge, a 430m span cable-stayed bridge and Ting Kau bridge, a triple-tower cable-stayed bridge with spans of 448 and 475m respectively. He has published many technical papers highly complimented by international bridge professionals. In 1998 Ir Dr. Lau was awarded the Mao Yi Seng 茅以升 Bridge Grand Award, the most prestigious award to bridge engineers in China. Now he is the Executive Director/ Transportation in AECOM Asia Ltd promoting HK experience into mainland China.

Motto
不要錯過爭取專業知識的機會, 增强實力, 前途是掌握在自已手中.

Targets

Early: 找份適合自已興趣而有前途的工作, 可以有安定的生活, 組織新家庭.

Later: 在自已的專業領域中, 爭取更高成就. 幫助年青工程師, 傳授經驗, 提升專業水平, 令他們了解及更容易融入本地及大陸市場.

Case 1

60年代末期, 香港經濟開始繁榮, 交通運輸量大幅增長, 需要與建大量公路和橋樑. 當時香港缺乏橋樑工程師. 我發覺這是對我好的機會. 因而申請政府獎學金, 帶薪到英國讀橋樑工程碩士學位, 70年尾, 回港後自然成為香港有數之橋樑工程師. 其後不斷學習, 尤其是工程管理知識. 在香港特區政府退休時, 為土木工程署署長.

Case 2

如何有效管理青馬大橋之顧問工程師，又如何清楚大橋的設計是否合符經濟原則及達到設計和使用要求. 當年我參觀世界各地大型橋樑，拜訪各地有關大學，顧問工程師，風洞實驗室，營造商，大橋管理局等. 聽取他們的意見及吸收他們的經驗，有效地引入到青馬大橋項目.

Case 3

爭取更多更高的專業知識. 在研究拆卸公主道天橋時，報名在英國 Kings College 讀在職博士學位，但其後他們取消土木工程系. 自然沒法讀. 1993年到北京清華大學參加公務員學習班，機會重現，以「青馬大橋加勁箱樑之動力校准研究」，1998年，得清華大學頒發工學博士. 論文受重視，校方交"北京圖書館"收藏，供大眾省閱. 2005年為清華大學兼職教授.

Advice 1:

要有長遠的工作目標. 在自己的專業領域中，通過進修及自我學習，爭取機會增值，把握先機，機會自然比別人多，前途是掌握在自己的手中. 大家有沒有想到"工程維修保養"工作? 香港過去完成不少工程，是要不斷維修和保養，以求達到設計壽命. 現在十分缺乏公路橋樑保養工程師啊!

Advice 2:

要多參于社會及專業機構，如 HKIE 等之義務工作. 盡力幫助別人，做福社會. 從中自己也可以增長知識和擴大人脈關係，利己利人. 到自己有困難時，也容易面對困難，別人也一定伸出扶手，這就更容易渡過難關.

Advice 3:

盡力維持及發揮香港工程專業之優點. 香港有健全的工程管理制度，在質量，風險，安全，環保，法制等方面有良好記錄，吸收國際信息快，這都是我們的優勢，令香港在國際層面和內地競爭，保持優勢.

Advice 4:

健康至上. 不要以為這只是老人家的口頭禪. 良好的健康就要自少要培養，大家要作經常性運動，到年齡大才注意健康就太遲了. 近年發現高血壓，心臟病都年輕化. 這都是不注意健康的結果. 相信大家都知道，身體不健康，後果十分嚴重，所以大家一定要注意健康.

Ir Gregory LO Chun Hung 盧振雄

SBS FSDSM FIFE FHKIE
Honourary Fellow, University of Central Lancashire, UK
Discipline: Fire

Being a fire officer with 37 years of experience in the Fire Services Department, Ir Lo had extensive professional knowledge and experience in firefighting and rescue, fire protection, management and administration work. In recognition of his distinguished and dedicated service to the Government and the Hong Kong community during his tenure as the Director of Fire Services, Ir Lo was awarded the Silver Bauhinia Star. He has made exemplary effort in enhancing the professional knowledge and skills of the fire and ambulance personnel, and in promoting quality service and a customer-oriented culture in the Fire Services Department.

Motto
自強不息　與時並進
Self-discipline (in development). To advance with the times.

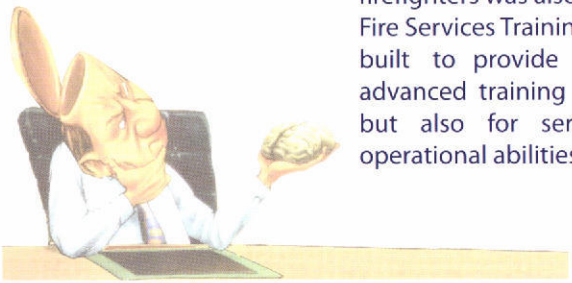
Targets

Early: To better equip myself with management and professional abilities with a view to performing well in my job.

Later: 與時並進 為民解困 "To advance with times to serve better" was the motto which I established for the Fire Services Department (FSD) during my tenure as the Director. With this, I hoped all members of the Department would strive to further elevate their competence and performance in firefighting and rescue, fire protection and emergency ambulance service.

Case 1

Enhancing operational competence As short term measures, specialist teams (Urban Search and Rescue, High Angle Rescue, Fire Attacker and Hazardous Material) were set up. They were trained and provided with the most advanced equipment to upgrade their operational abilities and safety. Generally, operational competence of all firefighters was also enhanced. In the long run, a new Fire Services Training School at Tseung Kwan O is being built to provide the most comprehensive and advanced training facilities not only for new recruits, but also for serving members to upgrade their operational abilities.



Case 2

Maintenance of Fire Engineering Design in Buildings In the past, after completion of a fire engineered building, its management was handed over to the building management office which is usually ignorant of such design. As time goes by, the design may be destroyed by building users, e.g. placing tables and chairs on a smoke shutter rail, thus jeopardizing its operation in case of fire. As firefighters in local fire station were not informed of the design, they were unable to spot any irregularities during their routine visits. This might bring serious consequences in case of a fire. To address this issue, fire protection officers will supply a synopsis of the fire engineering design of a building, upon its completion, to its local fire station. The latter will check the design during routine visits to ensure it is not defeated.

Case 3

To introduce the Medical Priority Despatch System (MPDS) to Hong Kong

At present, FSD ambulances are despatched to handle emergence cases on a first come first served basis. This is the traditional method and has plenty to be desired. To better take care of the needs of patients and casualties, a MPDS devised in the USA has been widely adopted in over 20 countries. It uses well-structured questions to determine the urgency of the person in need. While the ambulance response time for life threatening cases would be shortened to increase the chances of survival, those for the rest would be lengthened. With the MPDS, ambulance resources could be best utilized.

Advice 1: Pursuing excellence

Do not just follow traditional practice as a matter of course. The key for success is to identify room for improvement and strive for the best. Think out of the box and be creative.

Advice 2: Embracing changes

Do not stay in the comfort zone. Always watch out for new demands and cope with them. In managing changes, the interest of stakeholders (e.g. environmentalists) should be well taken care of.

Advice 3: Balanced life

Do not devote all of your resources to your job and self-development only. Your family, health and religious belief (if applicable) are far more important. While a good social life provides useful network, intimate friends will offer good support in case of need. A balanced life is a happy life.

Advice 4: Professional ethic

Dishonesty may have high price to pay. In the interest of public interest, the profession's interest as well as self-interest, professional ethic must be safeguarded. You are responsible for what you have done.

Ir John SZE Tak Wei 施德威

FHKIE, FHKAAST, MITS-HK, MCIE, Life Sen MIEEE
Disciplines: Electronics, Biomedical
and Information Technology

In his service with Cables & Wireless from 1951 to 1973, he had acquired various telecommunication skills in MF, HF, VHF, Microwave, Satellite systems. John then started his own communication business in 1973 covering trunk radio, paging, microwave systems, digital radio alarm network service, GPS monitoring and Smartcard systems with customer services covering Hong Kong, Macau and mainland China. He also served in various advisory committees of the government, universities. He is also active in serving the community and has been a member of the Rotary Club for more than 30 years.

Motto
Never Say retired 永不言休

Targets

Early: To have the work well done

Later: To have more contributions to community work

Case 1

In 1969, I was working in Cables and Wireless. As the Union Chairman, I took the lead to carry out industrial action to fight for "Equal Pay" for our local staff, with an aim to have the same salary and benefits when compared with Expatiate staff performing the same work duty. (同工同酬) The term 'Work to the Role' 案章工作was devised for the industrial action.

Case 2

As microwave expert, I was on secondment to China Light and Power in early 1970 to 1973 to set up microwave communication system – undertaking site investigation and installation of microwave Link and Multiplex equipment. It also provided me a good opportunity to learn more about the commercial areas as well as the people in the field. I later started my own company in the mobile radio business.

Case 3

In 1989, I started the GPS system which was the first installation in Hong Kong. My mobile business also extended to KMB's roadshow as well as other areas like slope monitoring applications. Up keeping and use of advanced technology is important to sustain the business success.

Advice 1:

Hard working is essential for success 一分耕耘一分收獲

Advice 2:

Life long learning is important to upkeep and increase knowledge 終生學習

Advice 3:

Monitor and keep abreast of technology development and standard 追上時代尖端

Advice 4:

Apart from our normal engineering work, try to contribute more to the community services 工程工作之餘要服務社群

Mr WONG Tak Ko 王得高

Diploma in Mechanical Engineering 1957 Hong Kong Tech.College.
Higher National Certificate in Mech. & Prod. Engineering 1959 UK
C.Eng.,M.I.Mech.E., & M.I.Prod.E.

Disciplines: Mechanical, Production & Industrial Design

TK has over 48 years of experience in product design and development in plastic toy and cordless products. In early 60s, he was one of the pioneers in setting up product lines in these fields (開荒牛也). Later on, he worked with partners to take up overseas plastic toy projects. He created the products from sketches or rendered from design briefs to final proudct for exporting to USA. He successfully secured more than 10 patents and many designs registrations to protect his interests from infringements. TK started introduced a new apprentice scheme in the design department of the company. He assisted the governemnt Plastic Industrial Advisory Board in establishing plastic industrial training standards. In 1978, he set up his design consultant company in HK to serve his clients of both local and overseas clients in plastic toy industry. Currently, TK enjoyed leisurely as part time consultant.

Motto

Be honest & trustworthy. Work diligently. Know & help more people.
Be flexible.

Targets

Early: To become an outstanding designer in a completely new plastic industry in 1964. To create as many new designs as possible to assist the growing industry. To assist overseas clients to come to HK to place orders to local industry.

Later: To assist young & new comers into this field while building him-self some new products still in his mind for a long time & a healthy and happy consultancy business with least working pressure & the wealth he has accumulated. To help the society if his body allows.

Case 1

In 1964, after 2 years of student apprenticeship in a 4,000-worker diesel engine factory in UK and 4 years of teaching experience in HK Technical College Departemt of Production Engineering, I ventured to become a pioneering engineer to design and manufacture toys in a newly established plastic flowers factory. With no prior experience, but being young, energetic and fearless, I took up the challenge to design a production line for complicated hand painted toys based on mock-ups from USA. I used my engineering knowledge and the information from Mechanical and Plastic Handbooks. After working day and night for 3 days on drawings, I togehter with my colleague and my boss, stepped on a plane to Tokyo to source driving mechanisms & components. We then toiled long working hours & weeks for four months to accomplish five different types of toys and delievered them to the US market in time for Christmas 1964. My engineering expertise helped to save and company and the Boss!

Case 2

I was also asked to design a corrugated paper box inserts to hold and protect toys from damage during shipping from HK to US market in order to avoid claim to the Company. Normally, we packed the crushable flexible plastic flowers in assortment direct into corrugated box & into shipping carton. Toys were packed in individual 4-color off-set printed empty box. Without protection, it ended up in defective toy at the other end USA. A corrugated board insert was designed to hold the toy tightly to it with fabric covered rubber strings. t passed the drop test from shoulder height. Again this would be impossible without mechanical engineering knowledge.

Case 3

In 1986, a normal accelerated test revealed cracking in vacuum coated toy truck wheel hubs. Twenty percent of a million ordered were by sea shipment. The problem was a chemical solvent crack under heavy stress. The problem was solved by redesigning a solvent-free hub with a vacuum coated hub cap. For those product already shipped and arrirved NY, special arrangement was made to truck the products to a small shop in New Jersey for rework. I flew to the small shop and negotiated with them. Negotiation was successful using Work Study Technique learned in Production Engineering. Again, that would be impossible without Mechanical & Production Engineering expertise.

Advice 1: Fall in love with what you selected as your profession & career

You will enjoy every minute in your life without question even under most impossible environments. Success will come after hardships for sure. There won't be any easy & free meal waiting for people with ideas.

Advice 2: Be good in basics pay off

The first case requires all the basics learned in Mechanical Engineering:-

1. Coil spring & speed control mechanisms in wind-up gearbox.
2. Gear ratios & operation displacement of toys.
3. Gear tooth form & gear sounds.
4. Gearbox housing design for strength & easy assembling.
5. Frictional properties in rolling over floor/carpet surfaces & wheels tyres.
6. Mechanisms for driving all sorts motions etc.

Advice 3: Be observance wherever possible & make it a life long learning process

Knowledge can be collected through careful observation in the streets, exhibitions & shows and Trade magazines and publications etc. Today, we can obtain useful information from many internet websites which we don't have back in the 60s.

Advice 4: Make use of the human elements. Be flexible & have patient.

E-Q is also a very important tool in execution of projects too. Give things a second thought may make all the difference of success or failure. Acknowledge a subordinate's credit will improve relationship that becomes useful in later time.

Ir CHAN Fuk Cheung 陳福祥

BSc, MBA, MA, LLM, PhD, FHKIE. R.P.E.
Disciplines: Electrical, Control, Automation and Instrumentation, Electronics

Ir Chan has extensive experience in power systems, specializing in power systems protection, distribution automation, lighting applications and energy services. Throughout his career, he has been involved in various management activities, including business process re-engineering, quality systems management, contingency planning and procurement. He has published over 50 papers and won the HKIE Transactions Prizes in 2003 and 2007. Ir Chan's major career achievements were establishing a high reliability power protection system and the successful implementation of the world's largest distribution automation system in CLP.

Motto
Once you go into something, you should concentrate on it, no matter how hard it is.

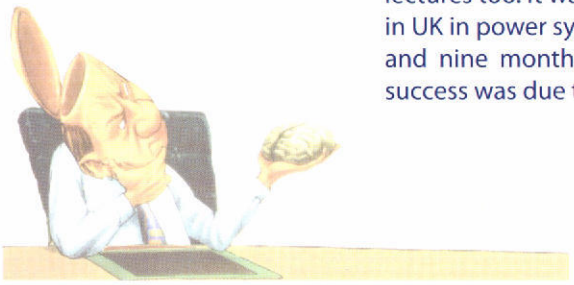
Targets

Early: To become an expert in some specific engineering area. Use professional knowledge to serve our community by carrying out volunteering work when opportunities come.

Later: To give high quality performance in the jobs handled using an innovative approach. To contribute more in the engineering industry.

Case 1

After graduation in 1972 joining CLP, I identified the 'Power System Protection' as my expertise area to be concentrated for development. The practical engineering differed from what we learned from university. In four years, I had acquainted in depth knowledge in Power System Protection and gave lectures too. It was then triggered me to further study in UK in power system protection. It took me 2 years and nine months to complete my PhD degree. My success was due to devotion.



Case 2

Innovation is important in order to give outstanding performance in your job. In 1997, I took up the job to build the world largest distribution automation system in CLP. I had a strong team working together to solve many technical constraints. One of our innovative approach in data handling and communication was to use a product that even the manufacturer did not think of such usage. During my work as General Manager in CLP Engineering, we bid project successfully by using innovative work method to lower the cost.

Case 3

Life long learning is important. I took the PolyU English for Profession course to improve my English as well as communication skills. It was later enabled me to obtain two times the HKIE transactions Prizes and when I was the President of HKIE, my weekly messages had a good effect with all HKIE members.

Advice 1: Outperform

No matter what project or work assigned, you must carry out the work with outstanding performance. If you think of, by substituting other persons in your post and imaging how they would do, you could establish a road with no regrets and hence sleep well. Of course, think out of the box to get additional value creation will further enhance your confidence.

Advice 2: Deep in Technical

During the earlier career, you have more time and hence you can go into more technical aspect in a specific area to build up your technical expertise. Ask questions and search why such procedure or practice was so performed. Such experience will help you the required management decision in your later part of your career.

Advice 3: Life Long Learning

With the rapid development in various technologies, life long learning is essential. Try to get one additional degree in every ten years. It will give you not only the knowledge but also the momentum to drive your achievement to a new height. Always ask yourself what had you learnt in the last six months and what will you plan to acquaint in the coming six months.

Advice 4: Ethics and Long Lasting Happiness

Honesty and Integrity are important throughout your whole career. We should have a 'Comfortable' heart – a clean mind with no worries on everything we do. The most important matter is there is no hidden burden. We can drive our happiness to a new height by practising to become a person of virtues and up-keeping our ethics and integrity. It is the key aspect of long lasting happiness.

Ir CHOW Che King 周子京

BSc(Eng), FHKIE, FHKEng
Disciplines: Civil, Structural

Ir Chow graduated from HKU with First Class Hon. During his 40 years government service, he had undertaken many notable projects: Tai Lam Chung dams, HK Waterfront Road, Tsing Ma Bridge design, Chek Lap Kok Airport feasibility study, Shatin new town and harbour reclamations. He was always keen to promote new technologies and to spread his experience through many talks and publications, both local and overseas. 1995, he retired as Director of Territory Development with OBE award, HKU appointed him as Honorary Professor and he also served as Council Member for HK Academy of Engineering Sciences. In 2003, HKU Press published his book '工程人生- 香港基建五十年'. In 2008, HKIE honoured him with the Gold Medal Award.

Motto
勇于創新, 小心求証, 成功經驗, 推廣傳承.

Targets

Early: Improvement of living conditions of residents through implementation of engineering infrastructure in Hong Kong.

Later: Spreading my experience with new technologies developed in actual work projects through local and overseas seminars and publications.

Case 1

1960's: pre-stressed concrete bridge construction in Hong Kong waterfront road. Promotion of new technology, introduction of new tender system with alternative designs. First ultimate loading test of a prototype pre-stressed bridge girder to check the design and quality of construction. Invitation of 300 local engineers to watch the test procedure in 3 days so as to promote this new construction technique at that time.

Case 2

70/80s': In charge of the Chek Lap Kok feasibility study and transport links with urban areas. Large scale and fast speed to form the airport site with new hydraulic fill technology and accelerated consolidation measures required to ensure that the new filling could be built upon in time for development. Expressways and rail connections required to meet the airport and north Lantau new town development. Special aerodynamic design for the suspension crossing (Tsing Ma Bridge).

Case 3

80/90's: New town developments at Shatin, Tseng Kwan O and Harbour reclamation. New established town planning standards for new town development to accommodate 3 million residents. Massive programme for engineering infrastructure and supporting community services for public housing, medical, education and recreation needs.

Advice 1:

與時並進, 不斷學習, 尋求新知識及技術, 選擇性應用于目前工作

Advice 2:

安全至上, 尤其新建築理念及方法需詳細研究及求証

Advice 3:

服務社會, 提高居民生活水準, 品格高尚, 保持專業尊嚴

Advice 4:

工作有成, 經驗寶貴, 熱心推廣, 紀錄心得成果, 教育後輩,
發表專文, 刊登本港, 內地甚至國際學會有關刊物.

Ir Henry LAM Hing Cheung 林慶樟

BSc(Eng,) FHKIE
Disciplines: Electrical, Building Services,
Project Management

In his 40 years'+ career pursuit in the engineering industry, Ir Lam participated in a number of major building and railway projects as a professional engineer or project manager. These projects include the Hong Kong University of Science and Technology Project, Tuen Mun Hospital Project and the various MTR railway projects. He also supported a number of Mainland projects including Beijing Line 4 Project. He was the General Manager of MTR in-charge of the Shatin to Central Link Project and the Kwun Tong Line Extension Project prior to his retirement in end 2012. He is currently the Principal E&M Advisor in MTR.

Motto
If you want to get or achieve something, you must have appetite for it.

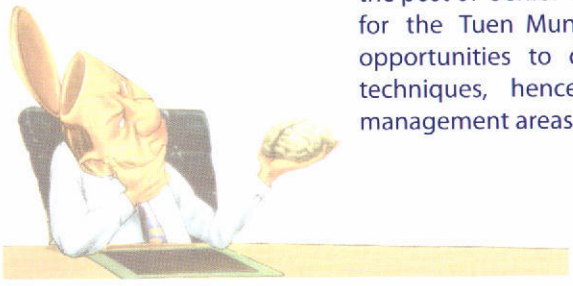
Targets

Early: To become a building services expert - to apply building services expertise to improve the living and working conditions in Hong Kong.

Later: To create an environment for delivery of projects on time, within budget in a safe and sustainable manner satisfying the quality, environmental and stakeholder-related requirements. Also, to develop successors and to serve the community as members of the committees.

Case 1

After graduation in 1972, I was initially involved in electrical engineering but moved on to building services (BS) very soon as I found BS more interesting. In 1979, I joined MTR as a building services (electrical) design engineer enabling me to move on to the railway industry which was new and offered more opportunities at that time. In 1986, I took up the post of Senior Resident Building Services Engineer for the Tuen Mun Hospital Project, giving me the opportunities to develop my project management techniques, hence an admission to the project management areas in my later career.



Case 2

Industry networking and rapport are success factors for project delivery. In 1988, I joined Jockey Club as the E&M Manager responsible for design and construction of E&M systems for the university of Science and Technology Project. As I was the most senior E&M man in the project, I made use of the opportunity to establish myself in the industry and reinforce my project management skills. At the end of the project, I built up the networking and rapport with the contractors, consultants, utility companies, government departments, etc which are useful per my subsequent career progression.

Case 3

I rejoined MTR as the Project Manager – E&M for the Airport Railway Project. The prestige of the project and the worldwide procurement enable me to establish myself in the international railway industry. In 2010, I was promoted to the position General Manager (GM), in charge of the entire Tseung Kwan O Extension Project (TKE) including civil works and all railway systems. This is a big step-up in terms of scope of responsibilities and leading a team of international civil engineers and international civil contractors for delivery of heavy civil engineering works in which tunnelling is particularly challenging. I adopted partnering internally and externally and TKE was completed on time and below budget. I held the position of GM for the various projects until retirement in end 2012.

Advice 1: Multi-skill

Most projects in particular railway projects are multi-disciplinary in nature. If you want to move up the management ladder, you need to be good in your own discipline of expertise but at the same time be aware of what is going on in the interfacing disciplines. Interfaces between E&M works and civil works in railway projects are very good examples. This is what I refer to as "multi-skill". Ability to talk in the same languages with the interfacing disciplines is a big plus.

Advice 2: Partnering

I strongly believe in partnering – internally with my own team and externally with my business contracts. I recommend partnering to you. Through partnering, you should align your goals, objectives and work processes. You can adopt collective use of everybody's brains and reduce waste. At the same time, you should make efforts to create an environment for others to contribute and succeed. The whole idea is to achieve a win-win situation.

Advice 3: Aim High & Celebrate Success

Throughout our life, there are always shortfalls in achievements relative to the targets set for various reasons in particular external factors. It is recommended that you set your targets higher than what you are able to achieve. This will keep yourself out of your comfort zone. However, you have to manage your expectation and disappointment in the event of non-achievement. Throughout your career in project delivery, you have to set interim milestones and celebrate when the milestones are met. This will give you the feeling of "achieving" and keep the momentum of moving forward.

Advice 4: Stakeholder Management

No matter we feel like it or not, we need to address stakeholder issues in project delivery. Many projects are killed in the inception stage or fail in the delivery stage because of stakeholder issues. Hence there is a need for stakeholder management. It is recommended that engineers need to learn to communicate and articulate in layman terms rather than technical terms whilst dealing with non-technical stakeholders and engage stakeholders throughout the project delivery process. Availability of stakeholder support is half success.

Ir Wanbil LEE 李雲彪

DBA, MBA, BA, Adv Postgrad Dip in Mangt Consultancy,
Grad Dip OR, FHKIE, FHKCS, FBCS, FIMA,
Chartered Mathematician
Discipline: Information Engineering

Ir Lee's career of over five decades covers the government, business and academic sectors in several countries. He started as Mathematician cum Programmer [project: Sydney Opera House], then, as software specialist cum manager [multinational banking systems], strategic designer [Medibank – Australia's national Healthcare System], and project manager [clinical systems and Australia's foreign aids control system]. He was credited for an innovative undergraduate curriculum for Computer Science. His academic work culminates in two books. Currently, he continues teaching, research and consulting, and sitting on several learned society and government committees / boards, and editorial boards of two international journals on *Computer Ethics*.

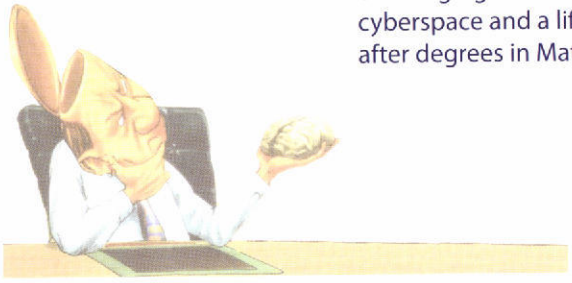
Motto
Do the Right Thing Right

Targets
Early: Establish self, Educate others 立己立人

Later: Never stand still 永不言休

Case 1

"Why don't you talk to the computer?" said my first Professor of Mathematics in a chance meeting in a red hot Summer day in the university library when I told him that – in response to his concern why I wasn't having fun on the beach, etc like the other kids – I got no money because I could find no summer job. It is this seemingly casual yet challenging remark that inspires me to the fascinating cyberspace and a lifelong career in the computer world after degrees in Mathematics and Operations Research.



Case 2

It was in my days working for a computer vendor as an Applications Engineer when one day the boss asked around for a volunteer to a do a demo. No taker, because it's considered drudgery. I nodded. Apparently I did a well-prepared job as the visitors seemed happy. This mundane task resulted in changing the direction of my career path, sending me from the business to the government sector, to work on the Medibank, Australia's national network for online processing of health-care benefits, which is still in use today in Australia.

Case 3

I was badly bruised by the eyesores (curt and sarcastic comments in red marks) the boss made on my drafts in my early days as a directorate grade officer after rapid promotions through the technical ranks [in the Australian Government] because I was capable of writing technical reports but not parliamentary papers. Read, read, read; write, write, write; and back to the basics of English expression – that's how I swallowed my pride and did the job right.

Advice 1: Fair dinkum (or be honest, genuine, truthful) 做個公正、坦誠、真摯的人

Fair dinkum is an Australian colloquial word of wisdom my mother taught me. It's on this basis that I conduct myself and treat others. The outcome in Case 1 reflects this. The professor's letter of introduction helped me overcome my short-term dilemma (I got a summer job learning programming); more importantly, his awakening message guided me to my path of career.

Advice 2: Go the extra mile (or never mind giving more than taking) 做人唔好怕洩底

I just did what my colleagues won't (in Case 2), partly due to an instinct for helping the boss out of his predicament and partly due to a reflex grounded in my belief that "the more you do the more you learn" and "to know a bit more is always better than a bit less". It's nonetheless something extra, and that drudgery turned out to be a benefactor in disguise: my career path extended and widened, my credentials and experience enriched.

Advice 3: Careless word kills, inappropriate word embarrasses慎言, 貴精簡, 賤冗長浮誇

Our words are respected because we are a professional. While enjoying the privilege of power, we must bear the burden of responsibility. We must ensure that the right words are used right lest ambiguity brings about unwanted miseries. The drudgery in Case 3 appeared unpalatable yet in fact well-intended. I learned the lesson, which not only helped me overcome the short-term hurdles and advance a couple of grades before leaving the government but also equipped me well for the academia thereafter.

Advice 4: Lifelong learning, lifelong serving 終身學習、終身服務

Partly due to meeting my targets, and partly in awe of my father's word of wisdom: Man lives to seek knowledge (人為求知而活), I switched to the academia so that I can "establish [my]self, and educate others", and engaged post retirement in knowledge sharing-seeking activities so that I "never stand still". The feeling of *being wanted* is important to me. Only if being-meaningfully-occupied can being-unless be prevented; only the useless are not busy. Continuous knowledge seeking not only vitalizes *being wanted* but also actualizes *lifelong learning and lifelong serving*.

Ir Ian Douglas ROBERTSON

BE (Civil), Diploma in Management Studies (Finance),
ISO9000 Lead Auditor, FHKIE
Discipline: Civil

Ir Ian D. Robertson obtained his degree in Civil Engineering from the University of Auckland. He worked as an engineer on major railway and hydro tunnels in New Zealand. After 5 years with the Hong Kong Government he joined a major construction company and became specialized in manufacturing concrete and in concrete technology. A few of the major projects that he was engaged on include Eastern and Western Cross Harbour Tunnels, Exchange Square, Landmark Mandarin Oriental, Chater House, Tsing Ma Bridge and Hactl Cargo Terminal at Chek Lap Kok. Through his company Out of the Box Thinking Limited he now passionately teaches Dr. Edward de Bono Thinking Methods to Hong Kong Professionals.

Motto

Learn from masters and test for myself, keep mental stimulus by change of industry, change of role, change of problems' solutions (respect and love my team)

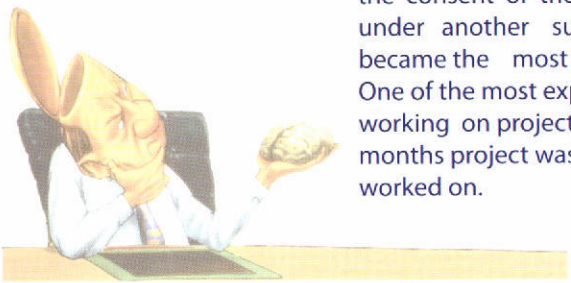
Targets

Early: To Learn

Later: To support team

Case 1

Leadership: The longest railway tunnel in New Zealand, the Kaimai Tunnel is 8km long. My job was to prepare the infrastructure to support the Tunnel Boring Machine operation. I used Management by Objective (MBO) to motivate my supervisors. The program was achieved. When one worker was fired by his supervisor, I arranged with the consent of the supervisor to reinstate the worker under another supervisor. The reinstated worker became the most diligent and reliable worker on site. One of the most experienced supervisors who had been working on projects for 40 years told me that the 6 months project was the most fulfilling that he had ever worked on.



Case 2

Confronting Issues: One example of this was when I carried out annual appraisals. One of my female support staff was in tears when I gave her a grade much lower than her ex-managers. I told her that I gave her the mark and suggested remedial action because I cared about her future. The second example concerned my uncomfortable relationship with my Director I arranged to meet him on a Saturday morning and acknowledged that I made him uncomfortable by using riskier strategies (more entrepreneurial) that was not his style. I promised to be more conservative than I was and our relationship was excellent for 10 years.

Case 3

Learning: 1979 in spite of knowing little about concrete technology or manufacture I joined a large construction company as Concrete Services Manager. I studied textbooks on concrete technology, concrete plant manufacturers information and closely observed how the existing team carried out their duties and asked why they were doing things that way. I was not ashamed to learn I consulted one of the senior concrete technicians from the major admixture suppliers on concrete technology and I tested every bit of advice. Within 3 years my specialist concrete technology expertise was acknowledged by me being invited to be the sole chairman at a 3 day International Concrete Technology Conference held in Jakarta.

Advice 1: Have Personal Support

The biggest influence on my career has been my personal mentors, role models, peers and friends when I have had periods of success and fulfillment I have had great personal support and conversely when I have neglected to have close personal support my career has stuttered. I strongly advise you to identify your role models and make sure that you have one or more mentors that you can consult whenever you face a dilemma. You should also have peers who will challenge you when they think that your actions or intended actions are not supporting you. Peers and mentors do not necessarily need to be engineers.

Advice 2: Get Involved in the Details

I have noticed some young engineers distain to get involved in details. Is this because professional engineers should not get their hands dirty? The success or failure of engineering projects often rely on the proper functioning of small parts as an example of this consider the huge problems caused to the Boeing 787 project by a relatively minor detail (batteries). R. Buckminster Fuller said that people should become specialists before they become generalists. Michael S. Dell, Larry Page, Sergey Brin and Bill Gates are all examples of people running large businesses that started out as hands on people.

Advice 3: Personal Relationships and Communication

Your effectiveness in your career and success will probably depend more on the way you relate and communicate with people than on your technical ability or on your diligence. Learn to be aware of how you relate to people and take action to keep your relationships in excellent order. Learn public speaking by joining a Toastmaster Club. Learn Neuro Linguistic Programming (NLP) techniques and practise them. Join a Dale Carnegie course and or read his book "How to Win Friends and Influence People".

Advice 4: Be Proactive about Your Health

Highly effective people have unusually high levels of energy. People like Anthony Robbins can facilitate 6 days seminars containing thousands of people that last for 12 to 16 hours daily. Anthony studied people who have very high levels of energy and adopted a life style including nutrition, exercise, massage and complimentary medicine practices to support his success. It is difficult to know how to have optimal health as the published guidelines and recommendations are influenced greatly by industries that wish to promote their products. I recommend that you read "The China Study" by Dr. T. Colin Campbell that is based on transparent science.

Ir Jolly WONG Chun Kau 黃振球

MSc, MPhil, FHKIE, R.P.E., FIET, CEng, FBCS, CITP
Disciplines: Electronics, Information Technology

Ir WONG has extensive experiences on corporate planning, technology research and appraisal, technical design and specifications, operations and development of communications facilities and system. He was the Chief System Architect and Program Manager of the 3rd Generation Command and Control Communication (CC3) System for the Hong Kong Police Force.

Motto
Stay fresh and versatile

Targets
Early: Enjoy your work

Later: Strike an excellent work-life balance

Case 1
I made some mistakes in my initial career life but it's a crucial step in learning, growing and improving myself. And I learned three key things from making mistakes:

- Put myself in situations where you make interesting mistakes
- Have the self-confidence to admit making mistakes
- Be courageous about making mistakes

Case 2

On progressing to assume the top technical job in the Force, I learned many lessons in management. Pareto's 80/20 rule serves as a reminder to me to stay focused to work smart and manage smart on the right things.

Case 3

My recent journey to uncover the connection between leadership and creativity and how to capitalize on these abilities to manage change and to solve complex challenges.

Advice 1:

Enjoy your work and you do a better work. Be passionate about work.

Advice 2:

Strike an excellent work-life balance to live a fulfilled life through a sense of control and empowerment.

Advice 3:

Ignite an innovator mindset to solve increasingly complex challenges.

Advice 4:

Take integrity as a personality trait. It is the personal quality of honesty and truthfulness in regard to the motivations for your actions.

Rules for Individual and Group Project Competition

Individual Work: Decision in 10 Sec 決戰十秒鐘

You have roughly 10 sec to make your decision to choose one answer after you hear an engineering / management question provided with 2 answers. Two answer slips (Red and Yellow) will be provided. Answer is selected by raising the colour slip. Only those with correct answer can proceed. The question-asking will stop until the 5 last winners are identified. A small prize will be given to each of these 5 winners.

Group Work: Colour Cubes Challenge 四色立方挑戰

It is a group work with one table to form one group. Each group will be given 4 cubes. The surfaces of each cube will have one of the four colours: Red, Green, Black and White. The surface colours of one cube is different from the other cubes. 4 cubes are columned up with 4 different colours appeared in each sides of the columned cubes. You are required to provide a solution approach by putting your analysis and hence answer on a A-4 paper. (Please write down your group number on the A-4 paper.) For the group who successfully develops the solution will be invited to the stage to make a demonstration. The project is required to complete in 15 minutes. A souvenir will be given to each group member upon completion of the project.

Engineering Exposition Organizing Committee Members

From *Veneree Club:*

Ir John SZE
Mr David CHEUNG
Ir CK HUI
Ir KW PUN
Ir Ian ROBERTSON

From *Young Members Committee:*

Ir Iman WM LAI
Mr Jerry CW CHAU
Ir Kenneth KW CHEUNG
Mr Ivan LI
Ms Norelle YH LI
Ir Carmen KM LING
Ms Zara SY TAM
Mr Tak TANG
Ms WY YIP

HKIE THE HONG KONG INSTITUTION OF ENGINEERS 香港工程師學會

Veneree Club
睿賢學社

HKIE THE HONG KONG INSTITUTION OF ENGINEERS 香港工程師學會

Young Members Committee
青年會員事務委員會

This is to certify that

_____

attended the

Engineering Exposition

on

11 May 2013

from 2:30 pm – 10:30 pm

at

Novotel Century HK Hotel,

Wanchai, Hong Kong

* 1. Name of participant to be written by the attendee.
2. Attendee should seek certification of his/her attendance by having the stamp of the organizer immediately after the event.
3. This certificate serves the purpose to record participation of an attendee only. The duration of the activity indicated above does not automatically grant the equivalent CPD days, but is entirely up to the discretion of the 'Engineering Supervisor' for pre-Corporate Membership.
4. Please contact your 'Engineering Supervisor' for further advice for recognition of CPD activities.

Networking Record

If you are a young engineer, please find 10 experienced engineers to give you 10 advices (one advice from one experienced engineer). If you are an experienced engineer, please find 10 young engineers to give 10 advices (one advice to one young engineer). Please record the name of engineers and the advice in the following table. During the 'Sharing of Networking Result', you may be invited to the stage (by draw) to show your network record.

Name	Advice
1	
2	
3	
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10	

Acknowledgements

The HKIE **Veneree Club** and **Young Members Committee** would like to express their gratitude to the following companies for their sponsorship to the Engineering Exposition.

Atkins
Chevalier International Holding Limited
Chun Wo Development Holdings Limited
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HK Cheng & Partners Limited
Hong Kong Science and Technology Parks Corporation
Hsin Chong Construction Company Limited
J. Roger Preston Limited
Kum Shing Group
Mott MacDonald Hong Kong Limited
MTR Corporation Limited
Nishimatsu Construction Company Limited
REC Engineering Company Limited
Sun Hung Kai Properties Limited
The Hong Kong and China Gas Company Limited
The Hongkong Electric Company, Limited
Thomas Anderson & Partner (Hong Kong) Limited
Tsuen Lee Metal & Plastic Toys Company Limited
Welcome Construction Company Limited
Wong & Ouyang (Building Services) Limited

(listed in alphabetic order)

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HKIE THE HONG KONG INSTITUTION OF ENGINEERS 香港工程師學會
Young Members Committee
青年會員事務委員會

Engineering Exposition is jointly Organised by HKIE Veneree Club and HKIE Young Members Committee

Engineering Exposition Programme

2:30 – 2:35 pm	**Speech:** President of the HKIE, Ir Prof CHOY Kin Kuen
2:35 – 4:30 pm	**First Session** (Speaker presentation and Panel Discussion)
4:30 – 4:45 pm	**Coffee Break**
4:45 – 6:40 pm	**Second Session** (Speaker presentation and Panel Discussion)
6:40 – 6:45 pm	**Speech:** YMC Chairman, Ir Iman LAI Wai Man
6:45 – 7:30 pm	**Cocktail Reception** (Young & Experienced Engineers Networking)
7:30 – 10:25pm	**Dinner Programme**
	CEO Speech (Part 1)
	Decision in 10 Second (Individual Competition)
	CEO Speech (Part 2)
	Colour Cubes Challenge (Group Project Competition)
	Sharing of Networking Result
	CEO Speech (Part 3)
	Sing a Song: Engineering Exposition OC Members
10:25 – 10:30pm	**Speech:** Veneree Club Chairman, Ir John SZE Tak Wei

HKIE THE HONG KONG INSTITUTION OF ENGINEERS 香港工程師學會
Young Members Committee 青年會員事務委員會

HKIE THE HONG KONG INSTITUTION OF ENGINEERS 香港工程師學會
Veneree Club 會籍學社

First Session Speakers:
CHEUNG Shu Wing
CHOI Yu Leuk
LAU Ching Kwong
Gregory LO Chun Hung
John SZE Tak Wei
WONG Tak Ko

Second Session Speakers:
CHAN Fuk Cheung
CHOW Che King
Henry LAM Hing Cheung
Wanbil LEE
Ian ROBERTSON
Jolly WONG Chun Kau

CEO Speakers:
Derrick PANG

TC CHEW (Video)
Paul POON

CT WAN (Video)
James CHIU

Engineering Exposition is jointly Organised by HKIE Veneree Club and HKIE Young Members Committee