Mr Daniel P F Cheung

Associate Members Committee

The 2005/2006 Session was a challenging year. The formal training and Continuing Professional Development (CPD) requirements for Associate Members (AM) commenced in 2006. Three Disciplines, including Civil, Building Services and Manufacturing & Industrial, had been approved in undertaking a pilot training scheme similar to Scheme 'A' training for the AM. The CPD requirements for the applications to the class of AM were implemented. Prospective candidates are required to satisfy the new requirements before submitting applications.

On learned society activities, a total of 30 activities were organised in this Session, including 25 technical seminars, two local visits, two Mainland China visits and a Taiwan visit. Such seminars and visits provided our members with updated knowledge in a wide spectrum of engineering disciplines, management skills and legal issues.

To support action tasks of the three-year rolling plan for the 2005/2006 to 2007/2008 Sessions, the Committee had organised more joint divisional activities/cross-disciplines seminars for our members. Our co-organisers include the Divisions of Civil, Control, Automation & Instrumentation, Environmental, Geotechnical, Information Technology and Materials, the Safety Specialist Committee and the Young Members Committee, as well as external bodies such as the Society of Registered Safety Officers, the Hong Kong Association for the Advancement of Science & Technology, UtilityINFO Institute, China Research Student Association and Pacific Asia Education Centre.

With regard to the promotion of recognition of AM, a series of visits to Government departments under the Environment, Transport and Works Bureau (ETWB) and other large corporations, such as Kowloon-Canton Railway Corporation and MTR Corporation Ltd, were organised in the last Session. With the support of the ETWB, a consultation on whether to recognise AM as Government entry qualification was conducted with the Technical Officers' Staff Union. Most comments received were positive. We will approach other utilities organisations such as the Hong Kong & China Gas Co Ltd, China Light and Power Co Ltd and Hongkong Electric Co Ltd this year to lobby for recognition.

The success of the Committee in this Session was attributed to the generous support of Committee members, senior Members of the Institution, speakers and all the participated members.

Visit to Tsoying Depot (Taiwan High Speed Rail)

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
11 Jul 2005	Sharing the Experience of Safety Award Achievements	Vincent YUEN Jointly organised with SSC
16, 17, 23 & 24 Jul 2005	註冊安全工程師執業資格考試輔導講座	Jointly organised with the Hong Kong Association for China Graduates & Asian Pacific Education Centre
29 Jul 2005	Multimedia System – Integration with Life?	Eric NG Organised by IT Division & co-organised by AMC & EN Division
19 Aug 2005	Nam Wan Tunnel & West Tsing Yi Viaduct Construction	Colin FOSTER Jointly organised with CV Division & SSC
26 Aug 2005	Serving the Community with Your Engineering Professional	H K WONG C M CHEUNG Organised by IT Division & co-organised by AMC & YMC
29 Aug 2005	Route to Materials Discipline	Jonathan CHUNG Eric LIM Jointly organised with MT Division & YMC
10 Sep 2005	Contemporary Legal Issues in the Utility Industry of Hong Kong	Organised by HKIUS & co-organised by AMC, CA & CV Divisions, SSC, HKAAST & UTI
30 Sep 2005	IT Project Management with Higher Productivity	Hubert MAK Organised by IT Division & co-organised by AMC
7 Oct 2005	Time Management of Engineer	Calvin LEE Jointly organised with IT Division
21 Oct 2005	Waste Management System: Integrated Processing Technology Platform	Shawn WANG Vincent CHENG Organised by IT Division & co-organised by AMC & CA Division
11 Nov 2005	Fire Evacuation – How Well are You Prepared? Part II	Michael LEUNG Jointly organised with SRSO & SSC
18 Nov 2005	Closing the Data Loop – 12D	Organised by HKIUS & co-organised by AMC, CA & CV Divisions
25 Nov 2005	Strategy to Tackle the Latest Security Risks	Dixon HO Organised by IT Division & co-organised by AMC & EN Division
9 Dec 2005	Jump Lift System in Construction Site	K O TAM Organised by CA Division & co-organised by AMC & IT Division
14 Jan 2006	Safety Seminar & Technical Visit to Route 8: Lai Chi Kok Viaduct	Organised by SSC & co-organised by AMC
16 Feb 2006	三極宣言環保講座	李樂詩 Jointly organised with GE Division & YMC
22 Feb 2006	Features of Hong Kong & PRC Arbitration & Practice	Samuel C C WONG Jointly organised with CA & IT Divisions

Date	Title	Speaker(s)/Remarks
10 Mar 2006	Energy Saving by Integrated Heat Pump Technology	Michael LEUNG Organised by CA Division & co-organised by AMC, EV & IT Divisions
18 Mar 2006	Career Talk at IVE (Tsing Yi)	–
20 Mar 2006	Water-proofing & Moisture Barrier Systems	P S KWAN Jointly organised with CA & GE Divisions
10 Apr 2006	Career Talk at IVE (Shatin)	Organised by IT Division & co-organised by AMC
24 Apr 2006	中醫養生之道 (2)	彭偉明 Jointly organised with IT Division
2 May 2006	Environmental Management in Construction Sites	Anthony FOK Organised by BD Division & co-organised by AMC & IOSH-HK
10 May 2006	Annual General Meeting & Annual Dinner	–
11 May 2006	Career Talk at IVE (Tsing Yi)	–
27 May 2006	Surveillance System for Management & Security Projects	Wallace MA Allen AU Jointly organised with CA & IT Divisions

Technical Visits

Date	Title
8 Oct 2005	Shenzhen Western Corridor
11-15 Oct 2005	China Delegation – Yichang
25-26 Mar 2006	廣州市市政工程考察團
17-21 May 2006	Taiwan Delegation – Kaohsiung & Taipei

Ir Kwan Kin Kei

Authorised Person/Registered Structural Engineer/Registered Geotechnical Engineer Committee

The Committee changed its name to include Registered Geotechnical Engineer (RGE) at the beginning of the Session. RGE came into being in January 2005 and has since enjoyed wider interest. As at the end of the Session, a total of six RGEs sat on the Committee. A stronger bond between the two professions will benefit everyone.

We continued to have representations in Government committees, such as the Building Sub-committee, Authorised Person Structural Engineer Committee, Contractors Registration Committee and Panel, Structural Engineers Registration Committee and Panel, Geotechnical Engineer Registration Committee and Panel, while providing comments to draft practice notes and consultation papers, such as the Mandatory Building Inspection Scheme. We have also assisted in community service events, such as the Eastern District Council Design Competition, the Voluntary Building Classification Scheme and the Steering Committee on Bun Festival.

The Immediate Past Chairman, Ir H K Ng, led the drafting of Wind Loading Handbook whereas I was involved in GEO 1/2006 (replacing 1/96) Foundation Design and Construction. I am also leading the drafting of Foundation Code Handbook. The latter will be issued in 2006.

We have an excellent working relationship with the Buildings Department and are extremely grateful for their attendance at two of our meetings. The two parties are collaborating to further implementation issues of the Buildings Ordinance.

Biomedical Division

In addition to our mission to raise the profile and membership of the Biomedical Division, we have also focused on the recruitment of founding members for the newly formed Biomedical (BME) Discipline and on the continuing professional development of biomedical engineers. This year we also actively co-ordinated with local universities to formulate more biomedical engineering related courses.

Ir Prof Daniel H K Chow

Another major task of the Division in this Session was applying for the funding support from the Professional Services Development Assistance Scheme to promote professionalism and enhance the capability of local engineers in biomedical engineering development, so as to capture Closer Economic Partnership Arrangement (CEPA) opportunities. We are pleased to announce that the application was successful and it has been approved by the Government.

We have also formed an Organising Committee for the BME 2006 Biomedical Engineering Conference which will be held from 21 to 23 September 2006. We saw a fruitful programme during the Session with various technical meetings, Continuing Professional Development seminars and activities, all of which attracted participation of many members and delegates from different institutions.

The Division has also provided support to local tertiary institutions to apply for accreditation of their undergraduate programmes on biomedical engineering. With potentials like graduates from the biomedical engineering field of local universities and existing members who opt to join the newly formed BME Discipline, plus our continuous efforts on membership drive, it is anticipated that our membership will grow gradually.

Technical Visit to Medical Devices Manufacturing Facility in Dongguan

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
5 Nov 2005	Radiological Equipment in Hospital – Advanced Application, Safety & Future Development	K Y CHEUNG
28 Nov 2005	Plasma Technology – From Nuclear Fusion to Biomedical	Herman TSUI
11 Jan 2006	Electrical Safety Considerations in Medical Device Design & Manufacturing	YOU Yi Jie
13 Jan 2006	Founding Members of BME Discipline	Raymond POON
17 Jan 2006	Medical & Micro Rapid Prototyping Technologies to Support the Design & Manufacturing of Medical Device	Ashley PUN Bryan SO Rachel WONG Thomas YONG
26 Jan 2006	Cushioning & Rearfoot Control – Surprising Results & 2 New Paradigms	Benno NIGG
12-16 Feb 2006	The Latest Development of Navigation Systems for Neurosurgery	Various speakers
24 Feb 2006	Micro-fabrication Technology to Support the Development of the Miniaturisation of Medical Devices & Rehabilitation Engineering	Derek LOUIE Bryan SO
28-29 Apr 2006	Workshop on Biomedical Engineering	Various speakers

Technical Visits

Date	Title
5 Nov 2005	Radiology Department of Prince of Wales Hospital
8 Apr 2006	Medical Devices Manufacturing Facility in Dongguan

Ir Francis M K Tong

Building Division

During the Session, the Committee worked very hard to fulfil its aims and objectives by carrying out learned society activities. Altogether more than 20 different activities have been organised throughout the year, which were all well attended and received. We have organised 14 seminars and Continuing Professional Development talks, either by ourselves or in collaboration with other learned societies. Seven technical visits were also organised this year including a China visit to Chengdu during Easter, a one-day visit to Macau in September and various visits to many interesting building sites in Hong Kong.

This year's Annual Seminar, entitled "Tall Building Construction and Maintenance", was held on 17 March 2006. We invited distinguished professionals from the building industry to share with us their valuable insights in tall buildings. The Seminar was graced by the presence of Ir Dr the Hon Raymond Ho, Mr Michael Suen and the President Ir Dr Greg Wong who delivered the Opening Address, the Keynote Speech and the Closing Remarks respectively. The Annual Seminar was well received with more than 300 participants and registration was already full a week before the date of the Seminar. The Seminar earned commendation of the participants as the quality of the papers delivered was remarkably good.

One of the aims of the Division this year was to promote the status of building engineers. Many of our activities have been organised to achieve this aim. The Division is one of the organisers for the "Quality Building Awards 2006". Our members actively participated in organising the award as well as screening the project submissions. We also joined forces with the Structural Division, the Hong Kong Institute of Surveyors and the Hong Kong Institute of Architects to hold a Joint Conference on "Opportunities for Hong Kong and Overseas Experts in Mainland China".

The Division also organised an Annual Dinner on 9 May 2006 at the Marco Polo Hong Kong Hotel. Mr H W Cheung, Director of Buildings, was the Guest of Honour. The Annual Dinner was a wonderful occasion full of fun and entertainment enjoyed by all.

The Committee would like to thank all its members and counterparts who generously supported the Division in the past year. Without their support, the Division could not have made such progress.

Building Division Annual Dinner

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
6 Jul 2005	Blast: Assessing & Reducing Loads on Urban Buildings	Jointly organised with PolyU & Centre for Research
26 Jul 2005	Structural International Projects	Jointly organised with HKIPM
30 Aug 2005	Application of Friction Barrettes in Hong Kong with Particular Emphasis on Shaft-grouted Enhancement	Jointly organised with HKIPM
14 Sep 2005	Planning & Construction of the Hong Kong Wetland Park	Eric P W CHAN Michael L Y LI Francis TONG
28 Oct 2005	New Advances on Design & Technologies in Scaffolding	Jointly organised with PolyU & HKISC
22 Nov 2005	New Standard Form of Building Contract	Jointly organised with HKIPM
	Opportunities for Hong Kong & Overseas Experts in Mainland China	Jointly organised with Creative Group
20 Dec 2005	Building Management & Maintenance – Public Consultation of Mandatory Building Inspection	LAM Siu Tong Joseph CHAN
17 Mar 2006	Annual Seminar on Tall Building Construction & Maintenance	Willis W L YU
3 & 18 Apr 2006	Product Certification on Fire Doors	Jointly organised with IFE & HKISC
2 May 2006	Environmental Management in Construction Sites	Jointly organised with AMC & IOSH
9 May 2006	Annual General Meeting & the 15th Anniversary Annual Dinner	Charles Y W LEUNG Francis TONG Ben YIU
16 May 2006	Young or Ready – Route to Corporate Membership in Building Discipline	C M TAM Charles Y W LEUNG Crystal W C HO
26 May 2006	Cross-discipline Presentation Award	Jointly organised with GE & ST Divisions
6 Jun 2006	中國監理及項目管理制度簡介	Jointly organised with HKIPM

Technical Visits

Date	Title
3 Sep 2005	'Hip Hing' Hanoi Road Site Visit
24 Sep 2005	Macau Stadium (Dome) & Macau Institute of Engineers
29 Oct 2005	Lok Ma Chau Station
26 Nov 2005	Hong Kong Wetland Park
18 Mar 2006	International Commerce Centre Kowloon Station
13-17 Apr 2006	China Delegation – Chengdu
22 Apr 2006	Airport – Asia World Expo

Ir Yung Hok Kow

Building Services Division

Following the Implementation of Mandatory Continuing Professional Development (CPD) Requirements for Corporate Members, the Building Services Division has been committed to providing more CPD activities for our members.

In the 2005/2006 Session, apart from technical talks and seminars, the Division organised two joint symposiums, including a China Symposium in Wuhan in July 2005 and a Hong Kong Symposium in November 2005. An "International Conference – Fire Asia 2006" held in February 2006 was jointly organised with the Institution of Fire Engineers and Ambulance Service Institute (Hong Kong Branch). The Division also organised eight technical visits, including a number of visits to nearby Guangdong cities. Two CPD short courses on "Water Cooled Air Conditioning Systems and Energy Efficiency" were organised during the Session. Responding to interest expressed by some Division members in fire engineering, a Forum on "The Development of Fire Engineering Discipline in Hong Kong" was organised in April 2006.

On the liaison with the Government departments, the Division was involved in various task forces, committees and working groups, such as the Buildings Department's Plumbing & Drainage Regulation Review, the Fire Services Department's Fire Safety Standard Advisory Group and the Electrical and Mechanical Services Department's Electrical Advisory Safety Working Group.

On the professional front, with support of the Institution and Engineers Registration Board and assistance of Ir Dr the Hon Raymond Ho, a presentation was made to the Buildings Department to try to convince the Department on the "Wider Use of Registered Professional Engineer (Building Services) Under the Provisions of Buildings Ordinance". A Working Group was formed by the Buildings Department to study this issue subsequently. Thanks to the dedication of time and effort as representative of the Division by our Past Chairman Ir Gilbert Law to sit in the Working Group, the Report was finalised in January 2006. It was submitted by the Working Group and is now pending for the Buildings Department's deliberation. The Division will continue its efforts to pursue this matter.

During this Session, four scholarships were awarded to talented university and vocational institute students. In order to provide an opportunity for youngsters to share their experience and improve their presentation and social skills, a Student Presentation Competition was organised in September 2005 for building services engineering students in universities and the Hong Kong Institute of Vocational Education.

The Division had also endorsed the formation of two working groups for the preparation of two very important events. A working group was formed for organising a competition for Sustainable Building Services Design. The competition will be open to the public and the awards ceremony will be held in the 2006/2007 Session. Another working group was formed for overseeing a project regarding the commissioning of a comprehensive research study to review and promote the role and status of building services engineers in Hong Kong.

Joint Symposium 2005 – New Challenges in Building Services

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
1-2 Jul 2005	BS Design System Control & Value Engineering	Various speakers Jointly organised with ASHRAE, CIBSE & Mainland bodies
5 Jul 2005	Fire Safety – Automatic Fire Detection	Samuel LIP Jointly organised with SSC
27 Jul 2005	Building Services Product Standard Certification	C K CHEUNG Raymond CHEUNG Jointly organised with ASHRAE & CIBSE
13 Aug 2005	Building Services Noise & Vibration Control	Various speakers Jointly organised with ASHRAE, CIBSE, HKI Acoustics, BSE & PolyU
26 Aug 2005	Green Design & Technology for Sustainable Buildings	Various speakers Organised by CIBSE & supported by BS Division
1, 5, 8 & 12 Sep 2005	Water-cooled Air Conditioning Systems	L S TAM Jointly organised with IVE (Morrison Hill)
21 Sep 2005	Grid Connection for Renewable Energy	Joseph CHAN Jointly organised with ASHRAE & CIBSE
30 Sep 2005	Key Success Factors of Building Management	Encon HUI Jointly organised with BSOMES & IVE (Morrison Hill)
7 Oct 2005	Scientific Feng Shui & Built Environment 2005	Various speakers Jointly organised by AIIB, BSOMES, CityU-Dept of B&C & CIBSE & supported by BS Division
10 Oct 2005	Introduction of P2E2 Performance Contract Model	Stewart BALLARD Jointly organised with MC & MI Divisions

Date	Title	Speaker(s)/Remarks
25 Oct 2005	Insight of Advanced Elevator Technology – Summary of Elevecon/1FEX 2005	Albert SO W L CHAN Jointly organised with ASHRAE, CIBSE & IAEE (HK-China Bank)
15 Nov 2005	Joint Symposium 2005 – New Challenges in Building Services	Jointly organised with ASHRAE, CIBSE & PolyU
16 Nov 2005	Malfunctions of HVAC Systems Caused by Improper Design & Their Solutions in Mainland China	YING Xinzhu Jointly organised with PolyU-Dept of BSE
19 Nov 2005	The World of Industrial Refrigeration	Wilbert F STOECKER Jointly organised with ACRA, ASHRAE & CIBSE
23 Nov 2005	Life Style Lighting for Modern Cities	Organised by CIE-HK & supported by BS Division
30 Nov 2005	CII-HK Conference 2005 – Healthy Buildings	Organised by CII-HK, PolyU & supported by BS Division
Nov 2005 - Jan 2006	Series on Energy Efficiency	Jointly organised with ASHRAE & CIBSE
1 Dec 2005	Fire Risk in Metro Tunnels & Stations	POON Le Ong Richard LAM Jointly organised with IMechE HK Branch
6 Dec 2005	Challenges towards Implementing 25. 5°C	Jointly organised with IVE (Morrison Hill), CA Division & IFMA
8, 12, 15 & 19 Dec 2005	Water Cooled Air Conditioning Systems	L S TAM Jointly organised with IVE (Morrison Hill)
14 Jan 2006	Design & Development of Vertical Transportation System	KONG Sin Ming KWOK Sai Wang Jointly organised with ASHARE & CIBSE
6 Feb 2006	Innovative Tendering Strategies	Johnson SO Jointly organised with ASHRAE & CIBSE
15-17 Feb 2006	Fire Asia 2006 – Best Practices in Life Safety	Various speakers Jointly organised with ASI, IFE & NFP
27 Mar 2006	Over-voltage Protection	Henry LAU Jointly organised with ASHRAE & CIBSE
28 Mar 2006	Control of Airborne/Droplet-Borne Infections Diseases in Hospitals – Where is Engineering?	Yuguo LI Jointly organised with ASHRAE, CIBSE & IHEEM
	Building Commissioning – Cyberport Experience	Dennis MUI Jointly organised with HKBC & C
30 Mar 2006	Latest Development in Code of Practice for the Electricity (Wiring) Regulation of HK	C S TSE W Y HO Jointly organised with CIBSE, IEE & EL Division
10 Apr 2006	The Development of Fire Engineering Discipline in Hong Kong	Jointly organised with FRE Discipline & co-organised by PloyU
3 May 2006	Future Trends in Wireless Communications	Victor LI
18 May 2006	Lift Ride Quality for Government Buildings in HK	Eddie WU Jointly organised with ASHRAE & CIBSE
20 May 2006	Professional Workshop on Forefront of Building Services Design & Technologies	Jointly organised with ASD (BSB), CIBSE & EG Division

Technical Visits

Date	Title
8 Oct 2005	AIG Building
26 Nov 2005	EMSD Headquarters
17 Dec 2005	Wah Chit Pipe Factory (China)
25 Feb 2006	Keystone Electric Wire & Cable Co Ltd – Dongguan Manufacturing Plant
4 Mar 2006	Guangzhou University City
25 Mar 2006	Hua Wei Technologies at Shengzhen
13 May 2006	Thorn Lighting Factory in Guangzhou

Civil Division

Ir Timothy K C Suen

This Session turned out to be another success of the Division. A large number of activities were organised (at an average of 2.75 Continuing Professional Development hours per member) and they received overwhelming support.

The Division has set another record of organising a total of 44 technical meetings and 30 site visits in the Session, with over 3,500 and 900 participants respectively. Many of these events were jointly organised with other Divisions and professional institutions. The technical meetings covered almost every aspect in civil engineering. Thematic talks on the Information Technology Series were delivered, followed immediately by a new Legal Series.

To keep our members abreast of latest developments on the Mainland, we launched a new Mainland Contact Series. Visits to Mainland projects and meeting with Mainland government officials were arranged on a regular basis throughout the year, including a recent visit to the Three Gorges Project.

The 2005 Hong Kong Civil and Construction Technology Summer Camp for the Youth of the Mainland was successfully held, with excellent presentations given by Ir Prof Chow Che King, former Director of Territory Development and Ir Mak Chai Kwong, Director of Highways, to 46 delegates from the Mainland. Preparation for the bi-annual Winter Camp 2006 for the Division's young members to the Mainland in December 2006 has already commenced.

To establish closer links with universities, the Division embarked on a new University Talk during the Session. Members of the Division shared their valuable experience on the secrets of career development to civil engineering students in the University of Hong Kong, the Hong Kong University of Science and Technology, the Hong Kong Polytechnic University and Chu Hai College of Higher Education.

The Division Annual Dinner 2005 again received over 550 guests, during which the Civil Engineering Paper of the Year Award, the Best Contributing Organisations and the Best Reporter Awards were presented.

The Division was committed to continued improvement of its services to members. A new IT Sub-committee was formed and a renewed Division website has been launched.

Civil Division Annual Dinner

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
27 Jun 2005	Sustainable Journey (Mainland Delegation 2004)	Delegates of Sustainable Journey Jointly organised with YMC
2 Jul 2005	Legal Series (1): Extension of Time – Theory & Practice	Bevis MAK
4 Aug 2005	Practical Aspects of Water Mains Rehabilitation in Hong Kong	T W CHUNG Ian VICKRIDGE Simon NGO
9 Aug 2005	Implementation of Construction, Design & Management in Public Works Projects	K L CHOW
19 Aug 2005	Nam Wan Tunnel & Tsing Yi Viaduct	Colin FOSTER Jointly organised with AMC & SSC
25 Aug 2005	The Development of a Comprehensive Flood Prevention Strategy for Hong Kong	John LEUNG
1 Sep 2005	Ma On Shan Rail – The Dos & Don'ts of Noise Control for a Major Infrastructure Project	Richard KWAN
3 Sep 2005	Cleaning Contaminated Land – A Sustainable Approach	Joanne KWAN David YEUNG Peter RAWLING Organised by AGS-HK & CIRIA-UK & supported by CV & GE Divisions
6 Sep 2005	KCRC Ma On Shan Rail – Design & Construction	Thomas TAM
10 Sep 2005	Legal Series (2): Contemporary Legal Issues in the Utilities Industry of Hong Kong	Kim YU Christopher TO SZETO Wing Sum Eugene TAM Jointly organised with SSC & HKIUS
22 Sep 2005	Bridge Construction & Landscaping Works of Trunk Road T7	Alan BRADLEY Alan POON CHAN Man
8 Oct 2005	Preparation for the Professional Assessment (CVL Discipline)	Martin K K CHEUNG Stephen IP Jointly organised with YMC
13 Oct 2005	Suppressing the Salinity Problem by Flood Releasing – the Pearl River Delta Experience in 2005	Felix FAN Jointly organised with CIWEM-HK
8 Nov 2005	LNG Pipeline – Planning & Design	H K CHIA Jointly organised with EG Division
18 Nov 2005	Closing the Data Loop – 12D	Gregory LEE Jointly organised with AMC, CA & IT Divisions & HKIUS
24 Nov 2005	Back to a Future: Cheong Gye Cheon Restoration Project in Korea	LEE In Keun Jointly organised with EN Division & CIWEM-HK
28 Nov 2005	珠海城市規劃回顧及近期重大基礎設施建設	珠海城市規劃局許秋萍局長及彭治權副局長 Jointly organised with HKIP & IHT-HK Branch
1 Dec 2005	Sha Tin Heights – Tunnel & Bridge Construction Works	C H CHAN Y H FUNG David LAU
8 Dec 2005	How to Ensure a Leak Detection Programme Effectively	C C KU Victor LO Jointly organised with HKIUS & UTI
	Site Investigation on Contaminated Land	Michael HENDY Peter RAWLING Jointly organised with GE Division
10 Dec 2005	The 10th International Conference of Hong Kong Society for Transportation Studies: Transportation & the Economy	Joshua LAW Jointly organised by HKSTS & PolyU & supported by CV Division
15 Dec 2005	Strategic Environmental Assessment	Elvis AU H M WONG Jointly organised with EV Division
10 Jan 2006	Construction Waste Charging Scheme	Tom LAI Winston FONG
14 Jan 2006	Legal Series (3): Extension of Time – Some Case Studies	Bevis MAK
16 Jan 2006	Channel Tunnel Rail Link (CTRL) Section 2	Colin STEWARD
13 Feb 2006	Joint University Talk 2006 – The Secrets of Career Development (1st Session at HKUST)	Timothy SUEN S Y YU Joseph CHOI Leo LEUNG
18 Feb 2006	Joint University Talk 2006 – The Secrets of Career Development (2nd Session at HKU)	Timothy SUEN S Y YU Joseph CHOI Leo LEUNG
23 Feb 2006	Integrity Assessment of Civil Engineering Underground Structures by Electro-magnetic Waves	Terrence TANG
14 Mar 2006	Collapse of Nicoll Highways in Singapore	John ENDICOTT
28 Mar 2006	A New Concept of Urban Development: Culture Aboveground & Function Underground	GOH Teik Lim Jointly organised with HKIP
30 Mar 2006	Pedestrian Links to Railway	Peter LEUNG C C IP
8 Apr 2006	Introduction of Public-private Partnering & Its Application in the Mainland Construction Market	Edward DOHERTY Paul HO David PAO Organised by AES & supported by CV Division
13 Apr 2006	Conditional Assessment of Critical Water & Sewer Rising Mains	Philip FERGUSON
20 Apr 2006	Kowloon Southern Link	Joseph CHOI Jointly organised with IHT-HK
25 Apr 2006	Recent Construction Insurance Trend	Andrew SMITH
13 May 2006	Ma On Shan Rail – Passenger Interchange at Tai Wai Station & Facilities at Tai Wai Maintenance Centre	Thomas TAM Peter HARMAN David PEGG

Date	Title	Speaker(s)/Remarks
20 May 2006	Transport Infrastructure Development & City Growth	C K MAK
23 May 2006	How to Achieve a Win-win-win Project from an Engineering-landscape-public Perspective	Kathy NG
29 May 2006	Hong Kong's 1st Grid-connected Wind Turbine for Power Generation	C W TSO
30 May 2006	Behavior Psychology Approach in Project Management	Alex CHEUNG
3 Jun 2006	REDA/HKCA Safety Partnering Programme	C K LAU Patrick W T CHAN Y Y WONG
6 Jun 2006	Avoiding Danger from Gas Pipe	Y K Simon WONG H P NG
15 Jun 2006	KCRC's P'way – the Challenges & Development	Joey KOO Edmond CHIU
17 Jun 2006	IFC III	John LUK

Technical Visits

Date	Title
9 Jul 2005	Mainland Contact (4): – Dongguan Sewage Treatment Plant – Meeting with Dongguan Environmental Protection Bureau
16 Jul 2005	Route 8 – Nam Wan Tunnel
23 & 30 Jul 2005	Improvement to Tung Chung Road between Lung Tseng Tau & Cheung Sha
27 Aug & 22 Oct 2005	Route 8 – Stonecutters Bridge
17 Sep 2005	Mainland Contact (5): – Technical Visit to Guangzhou Metro
	Mainland Contact (6): – Technical Visit to Yiantian Port (Joint Visit with AES, HKU(SPACE), CITL-HK & HKLA)
17 Sep & 12 Nov 2005	Castle Peak Road Improvement between Sham Tseng & Ka Loon Tsuen, Tsuen Wan
8 Oct 2005	Hong Kong – Shenzhen Western Corridor
22 Oct 2005	Mainland Contact (7): – Technical Visit to Pipe Factories in Shenzhen & Panyu
19 Nov 2005	SkyPlaza Building Works
3-6 Dec 2005	Mainland Contact (8): – 長三角物流基建訪問團
3 & 10 Dec 2005	Improvement to Castle Peak Road between Ka Loon Tsuen & Siu Lam
17 Dec 2005 & 7 Jan 2006	Route 8 – Ngong Shuen Chau Viaduct
14 Jan 2006	Mainland Contact (9): – Technical Visit to Liquefied Natural Gas Terminal at Dapeng Bay
14 Jan & 18 Feb 2006	Route 8 – East Tsing Yi Viaduct
18 Feb 2006	Mainland Contact (10): – Shenzhen Western Corridor (Mainland section) – Visit to Maunsell's Shenzhen Office – Interview with Maunsell's Engineers from Hong Kong
25-26 Mar 2006	Mainland Contact (11): – 中山珠海物流基建訪問團
13-17 Apr 2006	Mainland Contact (12): – 3 Gorges Project Delegation
20 May 2006	Wan Chai East & North Point Sewerage, Stage 2 Works
10 Jun 2006	Mainland Contact (13): – Zhuhai Infrastructure Development
	Reconstruction of Causeway Bay Flyover & Associated Widening of Victoria Park Road

Control, Automation & Instrumentation Division

Ir Prof Mak Kai Ling

The Division established five interest groups. Amongst them the Building Automation Interest Group and the Quality and Management Interest Group have been particularly active. During the Session, the Division Committee organised 18 learned society activities, including seminars, technical visits, seminars and technical forums that were all well supported by members.

Regarding the co-operation with external institutions, we had maintained close relationships with the China Association of Automation, Control and Instrument Society, and the Macau Institution of Engineers. In March 2006, we were honoured by a visit by a delegation from the Institute of Measurement and Control led by its President. Our Division also continued to collaborate with Radio Television Hong Kong in nominating a member to serve on the Panel of Judges for the Robocon 2006 Hong Kong Contest, with the winner taking part in the "ABU Robocon 2006 Contest" in Kuala Lumpur.

With the active support of the Committee members and helpers, the Division will continue to expand its learned activities in the coming Session.

2005/2006 Quality & Management Series 1 – IMCA Forum

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
10 Sep 2005	Contemporary Legal, Safety & Dispute Issues in the Utility Survey Industry of Hong Kong	Kim YU Chris TO Eugene TAM Edward LAW Organised by HKAAST, HKIUS, UTI & co-organised by AMC, CA & CV Divisions, SSC & PolyU-IC, etc
30 Sep 2005	PSDAS – Technical Seminar on Key Success Factors of Building Management	Encon Y Y HUI Jointly organised with BS Division, BSOMES & IVE (Morrison Hill)
21 Oct 2005	Waste Management System: Integrated Processing Technology Platform	Shawn WANG Vincent CHENG Jointly organised with AMC & IT Division

Date	Title	Speaker(s)/Remarks
10 Nov 2005	2005/2006 Quality & Management Series 1 – IMCA Forum	Organised by China Institution of Instruments & Control & co-organised by CA Division
29 Nov 2005	Examples of PRA in Decision-making for Aerospace Systems	Michael V FRANK Jointly organised by RAeS & co-organised by CA Division & SSC
6 Dec 2005	Challenges Towards Implementing 25.5°C	Daniel CHAN C K LEE Simon SIU Steve CHAN Jointly organised with BS Division, BSOMES, IFMA & IVE (Morrison Hill)
10 Dec 2005	Environmental Jump Lift System in Construction Site	K O TAM Jointly organised with AMC & IT Division
9 Jan 2006	Electronic Road Pricing (ERP) in Hong Kong: How & Why (But Not When!)	Andy GREEN Timothy D HAU Organised by ITS-HK & co-organised by CA Division
12 Jan 2006	Energy Saving & Power Conversion Technologies	Jointly organised with PolyU-EE & EL Division
22 Feb 2006	Features of Hong Kong & PRC Arbitration & Practice	Samuel C C WONG Jointly organised with AMC & IT Division
10 Mar 2006	Energy Saving by Integrated Heat Pump Technology	Michael LEUNG Jointly organised with AMC, EV & IT Divisions
4 Apr 2006	Quality Series 2 – Power Quality	Vincent TO Christ CHUNG
27 May 2006	Surveillance System for Management & Security Projects	Wallace MA Allen AU Jointly organised with AMC & IT Division

Technical Visits

Date	Title
18 Jul 2005	Government Flying Services
29-30 Jul 2005	Pearl River Delta (PRD) Factory Visit
26 Nov 2005	Pamela Youde Nethersole Eastern Hospital – on Facility Management Area
	Waste Treatment Process – ITAD System
21 Jan 2006	HEC Combined Cycle Power Plant at Lamma Island
25 Feb 2006	EMSD Headquarters

Ir Tai Tak Him

Electrical Division

The 2005/2006 Session had been a very active year for the Electrical Division. A total of nine Division Committee Meetings were convened to discuss and plan activities for members. In this Session, 14 technical talks and 10 local visits were organised, the former attracted an average attendance of 40 and the latter about 20.

As in previous Sessions, the Annual Symposium was an annual highlight. The 23rd Symposium held on 20 October 2005 at Sheraton Hotel was a successful event that attracted over 280 delegates.

In addition to local activities, an overseas technical trip to Turkey and Greece was held in June 2005. The delegation visited a number of factories including Areva Transformer, Siemens T&D, Philips and Landis & Gyr. There were also two other visits to the Mainland, one to Nanjing in September 2005 and another to a waste energy power plant in Huizhou in January 2006. The delegation to Nanjing attended the ceremony organised by the Nanjing University in honour of the retirement of Ir Prof C C Chan, a veteran Electrical Engineer and Past President of the HKIE.

The International Conference on Electrical Engineering (ICEE) 2005 was held in Kunming in July 2005. More than 20 papers were contributed by Hong Kong engineers. In July 2006, an HKIE delegation led by Vice President Ir Dr W K Lo will attend ICEE 2006 in Korea to prepare for the hosting of ICEE 2007 by the HKIE in Hong Kong.

At the beginning of this Session, the Division decided to launch an initiative to compile a history book on electrical engineering in Hong Kong for the past 60 years. The book will have 28 articles and will be published in October 2006. Progress to date is satisfactory.

The dedication and devotion of Committee members to the Division over the past year are gratefully appreciated. Without their generous support, the Division would not have attained such fruitful achievements in this Session.

Overseas Technical Trip to Turkey and Greece

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
28 Sep 2005	New Edition of Guide to Connection of Supply (GCS)	–
2-6 Oct 2005	The 40th Annual Meeting of IEEE Industry Applications Society	Organised by IEEE-IAS & supported by EL Division
6-7 Oct 2005	Conference on International Experience & Potential Application of Renewable Energy in Hong Kong	Organised by the HKIE (with great support from EL Division)
21 Nov 2005	Lightning – Effects on Our Daily Life	–
23 Nov 2005	Life Style Lighting for Modern Cities	Organised by CIE (HK) & supported by EL Division
9 Dec 2005	Power Quality & Its Solutions	–
14 Dec 2005	Hydrogen Fuel Cell Power Supply	Jointly organised with PolyU-EE & IEEE-HK PES JC
21 Dec 2005	Design of Lightning Protection Systems – Conventional & Early Streamer Emission Types	–
12 Jan 2006	Energy Saving & Power Conversion Technologies	Organised by PolyU-EE & supported by EL Division

Date	Title	Speaker(s)/Remarks
19 Jan 2006	New Developments in Standardisation of Household Appliances	–
30 Mar 2006	New Cable Colour Code & Associated Revision of COP	Jointly organised with BS Division, IEE-HK-PES & CIBSE-HK
19 Apr 2006	Surge Protection Devices for Circuits	ESET Ltd
9 May 2006	Inventions, Inventions	W S LEUNG
15 May 2006	Power Quality – Voltage Sag/Dip	–

Technical Visits

Date	Title
25 Jun 2005	Tung Chung Cable Car
29 Oct 2005	HEC Power Quality Centre & Standards Laboratory
19 Nov 2005	EMSD New Headquarters in Kowloon Bay
17 Dec 2005	International Exhibition Centre, HK International Airport
7 Jan 2006	Tung Chung Cable Car
4 Mar 2006	HUD Floating Dock
25 Mar 2006	Super Terminal 1 – HACTL
22 Apr 2006	Route 3 (CPS) Company Ltd
20 May 2006	HEC Wind Turbine
24 Jun 2006	Disneyland

Ir Cheung Shu Wing

Electronics Division

The Electronics Division has been marching towards a new era for Hong Kong's electronics industry. Five Research and Development (R&D) Centres are being set up in Hong Kong to undertake industry-oriented research in selected technology focus areas, and four of them have an emphasis on Electronics. They include Automotive Parts and Accessory Systems, Information and Communications Technologies, Logistics and Supply Chain Management Enabling Technologies, and Nanotechnology and Advanced Materials. The R&D Centres are hosted by local universities and institutions which possess strengths in the respective technology areas. The technologies are crucial for upgrading our industry base to move up the value chain.

For the 2005/2006 Session, the Division put in major efforts to connect with the R&D Centres through various activities. They included visits to the Hong Kong Productivity Council on Automotive-Electronics, Hong Kong Applied Science & Technology Research Institute Company Ltd on Opto-electronics technology and IC Design and Consumer Electronics. Various technical seminars were also held, including the wireless communications seminar, supporter on the IC Design Seminar held by Hong Kong Science & Technology Parks (HKSTP) and the 3rd EPC Global Hong Kong RFID Conference. In response to increasing concern about the importance of Semiconductor Intellectual Property, the Division will co-organise a workshop on "Semiconductor Intellectual Property" with the Hong Kong Electronic Industries Association, HKSTP and the Hong Kong University of Science and Technology. These activities can give our electronics engineers a better understanding of industrial needs, and in turn help maintain a high professional standard.

During the Session, the Division strove to expand the HKIE membership and to assist our engineers in developing their careers by promoting Scheme 'A' training, in particular to small and medium enterprises. The training greatly helps attract young engineers and engineering graduates – who will become the new breed of professional electronics engineers – to join the Electronics Discipline and the Division.

Technical Visit to Electrical and Mechanical Services Department Headquarters

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
22 Jul 2005	PSDAS on IC Design Project – Dissemination Seminar	Jointly organised with IT Division, HKPC & HKSTP
29 Jul 2005	Multi-media System – Integration with Life	Eric NG
20 & 27 Aug 2005	Automotive Electronics	Jointly organised with HKPC
31 Aug 2005	The 6th Information Security Forum	Jointly organised with HKPC
8 Sep 2005	Overview of Ultra Wide Band	Peter DIU
25 Nov 2005	Strategy to Tackle the Latest Security Risks	Dixon HO
7 Dec 2005	Intellectual Property Rights & Licensing: What You Need to Know to Maximise the Value of Your Business	Gabriela KENNEDY John TAI
7 Jan 2006	Photonics Development & Visit to Optical Electronic R&D Centre	Torsten WIPIEJEWSKI
17 Jan 2006	Medical & Micro Rapid Prototyping Technologies to Support the Design & Manufacturing of Medical Device	Jointly organised with BM & NE Divisions & HKPC
7 Feb 2006	ZigBeeTM – IEEE 802.15.4 Wireless Standard	Alan LAM
10 Mar 2006	Anti-Spam Conference	Jointly organised with HKPC
17 Mar 2006	All Location Positional Technology	Carl LEUNG
24 Mar 2006	Annual Dinner	–
14 Apr 2006	Digital Entertainment	Jointly organised with FHKI
28 Apr 2006	Annual General Meeting	–
	HKSTP – A Bridge to the Future	Carlos GENARDINI
	The 3rd EPCglobal Hong Kong RFID Conference 2006	GS1 Hong Kong & EPCglobal
13 Jun 2006	Intellectual Property Conference	EIA & HKSTP
14 Jun 2006	IC Design, Low Power IC Design in Deep SubMicron Implementation	Raymond CHIU
10-11 Jul 2006	International Conference on ICT in Teaching and Learning	OUHK
19 Jul 2006	Home Media Networking Technology for Digital Home	CHAO Shenchang
21 Jul 2006	The Impact of the EU's RoHS Directive on the Electronic Maintenance and Repair Services Using Lead-free Solder	S L LAW Daniel CHAN

Technical Visits

Date	Title
29 Oct 2005	Hong Kong Productivity Council
27 May 2006	EMSD Headquarters
17 Jun 2006	Interactive Multimedia and Virtual Reality Laboratory at CityU

Ir Richard S T Chan

Environmental Division

With the concerted effort of our Committee members, the 2005/2006 Session was a fruitful year with a wide variety of learned society activities for members. Apart from arranging technical talks and site visits, the 1st Environmental Seminar titled "Sustainability Considerations for Infrastructure Projects", was held on 3 April 2006 and attracted about 200 members. The Seminar was well received. The Committee members attended the "Forum of Guangzhou-Hong Kong-Macau-Taiwan Engineers" on 11 November 2005. Aside from technical seminars, we also jointly organised a delegation to Yunnan between 13 and 17 April 2006 with the Association of Engineering Professionals in Society Ltd to meet with Mainland government officials to discuss the issue of environmental protection in Southwestern China. With regard to voicing professional views on environmental issues, the Division actively participated in the Institution's Forum on "Future Development of the Electricity Market in Hong Kong – Stage II Public Consultation", which was organised for our members to express their views on the future of electricity supply to our society.

Photo Taken at the 1st Committee Meeting

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
24 Jun 2005	Environmental Engineering & Energy Management	Jointly organised with IVE (Tsing Yi)
7 Jul 2005	Waste Treatment Technology	Robert EDEN Jointly organised with HKWMA
19 Jul 2005	Construction Waste Charging Scheme	David HA T K CHENG
27-29 Sep 2005	World Sustainable Conference, Tokyo 2005	Jointly organised with BS, CV & ST Divisions
26 Oct 2005	Planning a Sustainable Community – Redevelopment of Upper Ngau Tau Kok Estate Phases 2 & 3 Sustainable Housing Development	Stephen YIM Vincent CHENG Jointly organised with PGBC
28 Oct 2005	Best Paper Presentation – Hong Kong – Shenzen Western Corridor	T K LEE S Y CHAN
24 Nov 2005	Back to a Future: Cheong Gye Cheon Restoration in Korea	LEE In Keun Jointly organised with CV Division & CIWEM
29 Nov 2005	Annual Reception	K C LAM
13 Dec 2005	Guidance Notes on Road Traffic Noise Assessment	NG Ping Sum Jointly organised with BS & MC Divisions, HKIOA & HKIEIA
15 Dec 2005	Strategic Environmental Assessment	Elvis AU H M WONG Jointly organised with CV Division & PolyU
8 Feb 2006	Co-combustion Pilot Plant at Green Island Cement	Don JONSTON Gordon MCRAY Jointly organised with HKWMA
9 Mar 2006	Water Resources for Toilet Flushing	X Z LI P T YUE Jointly organised with CIWEM
13 Mar 2006	Remote Sensing Technology for Environmental Applications	ZHOU Qiming Jointly organised with IT Division, HKSPRS & IEE (YMS)
3 Apr 2006	Annual Seminar 2006 – Sustainable Consideration for Infrastructure Projects	Various speakers
21 Apr 2006	Developing Town Planning & Urban Design Featuring Local Characteristics for the 18 Districts	Patrick LAU
8 May 2006	Road Traffic Noise Problem in Hong Kong	C M MAK & Others Jointly organised with MC Division, HKIA, PolyU & HKIOA
25 May 2006	Hydraulic & Water Quality Modeling in Hong Kong Waters	P L PUN Jointly organised with IHAR-HK
12 Jun 2006	Pay for Environmental Scheme	Alex LI Anthony FOK

Technical Visits

Date	Title
22 Oct 2005	Croucher Laboratory of Environmental Hydraulics at HKU
26 Nov 2005	Dunwell Waste Oil Treatment & Disposal Plant
4 Feb 2006	Education Path to New EMSD Headquarters
4 Mar 2006	North East New Territories Landfill
13-17 Apr 2006	Kunming, Dali & Lijiang of Yunnan
17 Jun 2006	HEC Wind Mill at Lamma Island

Gas & Energy Division

Ir Jonathan C Y Shum

The 2005/2006 Session had been an eventful and fruitful year for our Division. The Division organised various activities to enable members to enhance their professional knowledge.

During this Session, the Division organised two technical visits to Shenzhen and Jinan in January and April 2006. These trips provided members with opportunities to meet their Mainland counterparts and to exchange views on engineering development. We also organised five technical talks, including talks on natural gas submarine pipelines, nano-coating technology, Code of

Practice on Working near Electricity Supply Lines, polar impact to earth environment, and water-proofing and moisture barrier systems.

The Division, jointly with the Institution of Gas Engineers & Managers (IGEM) (Far East District Section), organised a technical visit to the Shenzhen LNG Receiving Terminal. The Terminal will supply natural gas to the cities of Shenzhen, Dongguang, Guangzhou and Foshan as well as Hong Kong through submarine pipelines. Total investment for the Terminal and about 400km Trunkline Projects is 7.1 billion yuan. The 1st phase of the Terminal will supply 3.7 million tons of LNG per year by the end of 2006.

In addition to talks and visits, we jointly organised a Conference on "Individual Gas Heating and Hot Water Supply Facilities HK-China Knowledge Exchange in Suzhou" with Hong Kong & China Gas Company Ltd, a Conference on Gas Infrastructure and Challenges with the IGEM (Far East District Section), an International Energy Conference with Energy Institute, a Symposium on "The Path to Sustainability – Electrical & Mechanical Safety, Energy Efficiency and Alternative Energy" with the Electrical and Mechanical Services Department, and a Professional Workshop on "Forefront of Building Services Design and Technologies" with Architectural Services Department and the Chartered Institution of Building Services Engineers (Hong Kong Branch).

All the Committee members had contributed valuable time to the Division in arranging interesting site visits and inviting respectable speakers to present fascinating technical talks.

Technical Visit to Jinan

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
8 Jul 2005	Shenzhen – Tai Po Natural Gas Submarine Pipeline (Part 1)	H K CHIA Jointly organised with IGEM-FEDS
28 Jul 2005	Nano-coating & Water-based Electrophoretic Nano-coating Technology	P S KWAN
17 Aug 2005	Code of Practice on Working Near Electricity Supply Lines	SZETO Wing Sum
1-2 Sep 2005	Application of Individual Gas Heating & Hot Water Supply Facilitates HK – China Knowledge Exchange	Jointly organised with HKCG
21 Oct 2005	Gas Infrastructure & Challenges	Jointly organised with IGEM-FEDS
8 Nov 2005	Shenzhen – Tai Po Natural Gas Submarine Pipeline (Part 2)	H K CHIA Jointly organised with CV Division
15-16 Dec 2005	The 2nd International Energy Conference	Jointly organised with Energy Institute
16 Feb 2006	Polar Impact to Earth Environment	Rebecca LEE Jointly organised with AMC & YMC
27-28 Feb 2006	The Path to Sustainability – Electrical & Mechanical Safety, Energy Efficiency & Alternative Energy	Jointly organised with EMSD
20 Mar 2006	Water-proofing & Moisture Barrier Systems	P S KWAN Jointly organised with AMC & CA Division
9 May 2006	The Challenges of Bringing LNG to Hong Kong	Joseph LAW

Technical Visits

Date	Title
26 Nov 2005	EMSD Headquarters
21 Jan 2006	Shenzhen LNG Receiving Terminal
5-9 Apr 2006	China Delegation – Jinan

Geotechnical Division

Ir Dr Victor K S Li

The 2005/2006 Session was a busy year for the Geotechnical Division, with many activities organised for our members both in Hong Kong and overseas. The working groups were re-structured and the selection criteria for prizes and awards were reviewed.

The 26th Annual Seminar was on "Cavern and Tunnel Engineering", with keynote lectures delivered by Ir C K Wong, Director of Drainage Services and two other international experts, Dr Nick Barton and Dr Nick Shirlaw. A half-day workshop was also held the next day after the Seminar in which Dr Barton and Dr Shirlaw gave detailed discussions on selected topics of rock and tunnel engineering.

The Division continued to maintain a close link with geotechnical institutions in Malaysia. A delegation from the Division visited the Slope Engineering Branch of the Public Works Department, Malaysia, the Geotechnical Technical Division of the Institution of Engineers Malaysia (IEM), and attended a Conference on "Sinkhole, Slope and Structural Failure: Myth or Science" organised by IEM.

The Division has obtained funding from the Government under Professional Services Development Assistance Scheme to organise a series of activities aimed at enhancing our members' knowledge on geotechnical practices in China and Taiwan. A one-day seminar featuring renowned speakers from Taiwan and Hong Kong was held in Hong Kong in January 2006, followed by a technical visit to Taiwan in April 2006. Both activities focused on gaining a better understanding of the geotechnical practices in Taiwan. Similar activities will be held in the 2006/2007 Session, with a focus on geotechnical practices on the Mainland.

The winners for the Fugro Prize 2005 were Ir Florence Ko and Ir Dr Julian Kwan. The Geotechnical Paper of the Year Award 2005 was presented to Ir L M Mak and Ir Kelvin Kuo for their paper entitled "Review of C580 for Excavation and Lateral Support Works in Mainland China".

Technical Visit to Taiwan

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
24 Aug 2005	Some Suggestions on Modernising the Current Practice of Driven Piles in Hong Kong	Victor LI
3 Sep 2005	Cleaning Contaminated Land – A Sustainable Approach	Various speakers
7 Sep 2005	Unsaturated Soil Mechanics in Engineering (Repeat of Terzaghi Lecture)	Delwyn FREDLUND
13 Sep 2005	Integrating Geotechnical Instrumentation into the Construction Process	Angus MAXWELL
26 Sep 2005	Design Considerations of the Taiwan High Speed Rail	Z C MOH
20 Oct 2005	Subsurface Irregularity and Voids – A Geophysical Perspective	Frank COLAR
21 Oct 2005	Long-term Performance of Contaminant Barrier Systems (Repeat of 2005 Rankine Lecture)	Kerry ROWE
22 Oct 2005	Half-day CPD Course on Effective Geotechncial Instrumentation	Various speakers
15 Nov 2005	Route to Corporate Membership (Geotechnical)	Victor LI Y C KOO
28 Nov 2005	Slope Engineering in China's Hydropower Projects	Z Y CHEN
8 Dec 2005	Site Investigation in Contaminated Land	Michael HENDY
20 Dec 2005	Static Liquefaction of Granular Soils: Truth or Myth?	Robert LO
18 Jan 2006	Nicoll Highway Lateral Support Failure	Andy PICLES Tom HENDERSON
20 Jan 2006	The State-of-the-practice of Geotechnical Engineering in Taiwan and Hong Kong	Various speakers
16 Feb 2006	三極宣言環保講座	李樂詩 Jointly organised with AMC & YMC
15 Mar 2006	Technical Issues Relating to the Design and Construction of a Cable Tunnel at Chi Ma Wan	C L NG Peter IP Andrew RAINE
10 Apr 2006	Contribution of Geosynthetics to the Geotechncial Aspects of Waste Containment (Repeat of Mercer Lecture)	J P GIROUD
12 Apr 2006	Rock Slope Stability	Steve HENCHER
22 Apr 2006	Half-day Workshop on Nicholl Highway Lateral Support Failure	John ENDICOTT Andy PICKLES Tome HENDERSON
26 Apr 2006	Geotechnical Engineering in Panama Canal	De PUY
3 May 2006	Modelling of Landslide Debris Runout	H N WONG Julian KWAN
12-13 May 2006	Cavern and Tunnel Engineering	Nick BARTON Nick SHIRLAW Other speakers
20 May 2006	Debriefing on the Conference in Malaysia and the Pilot Landslide Investigation	Various speakers
8 Jun 2006	All Models are Wrong: How Do We Know Which Are Useful (Repeat of Darcy Lecture)	Eileen POETER
12 Jun 2006	Tunnelling & Geotechnics – New Horizons (Repeat of 2006 Rankine Lecture)	Robert MAIR
19 Jun 2006	Landslide Hazard Mapping Using High Resolution Airborne Multispectral Remote Sensing and Digital Terrain Models	Malcolm WHITWORTH

Technical Visits

Date	Title
23 Jul 2005	Central Reclamation Phase III
27 Aug 2005	Route 8 – Eagle's Nest Tunnel
3 Dec 2005	Residential Development at Tin Kwong Road
4 Mar 2006	Deep Basement at 18 Westlands Road, Tai Koo Shing
25 Mar 2006	Pumping Station at North Point
9 Jul 2005 & 14 Jan 2006	Integrated Site Visits to Improvement to Tung Chung Road between Lung Tsang Tau and Cheung Sha
11-15 Apr 2006	Technical Visit to Taiwan

Information Technology Division

Ir Dr Chan Chun Leung

The 2005/2006 Session marked another successful year of the Information Technology (IT) Division. Earlier in the Session, the Division Committee identified three future directions, namely Professional Development, Membership Drive and Relationship Building.

On the front of Professional Development, we held the 1st IT Division Annual Conference for Project Management and Professional Ethics to arouse awareness for professionalism. We are also participating in the preparation of qualification framework of the IT industry led by the Education and Manpower Bureau. Furthermore, we are drafting a Guidance Note for Information Forensics Professionals.

On Membership Drive, we have run promotion sessions in universities together with the Associate Members Committee and the Young Members Committee to introduce and promote the HKIE and the Division. After suspending the publication of our Division's newsletter for several years, we have resumed it this year and members are receiving it by email.

In terms of Relationship Building, we have run joint activities with various societies, such as the Institute of Electrical Engineers Hong Kong, the Hong Kong Computer Society, the British Computer Society, Macau Institute of Engineers and various divisions and committees of the HKIE. We also hosted a luncheon with the Government Chief Information Officer, and the Office of the Government Chief Information Officer has designated the Division as the leading organiser of the inaugural Hong Kong ICT Awards 2006: eGovernment category.

As always, the Division continued to play an active role during the Session in running seminars and visits to our fellow engineers in keeping abreast of the latest technologies and professionalism of our industry. On community

services, we are now in the 2nd year of running the project called "IT Bridge", which provides refurnished personal computers and broadband connection to the hearing impaired students. Some young engineers and young policemen/women also provided guidance to these students in exploring the Internet world under the "Care Program".

With the above achievements, I would conclude that the Division has identified its future directions and has made a small step forward in this year. The support and contributions of Committee members and all the co-operating organisations are gratefully appreciated.

Launching Ceremony of the Hong Kong ICT Awards 2006 – eGovernment Award

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
29 Jun 2005	IT Applications in Computer Aided Learning and Business Development	IVE (Kwai Chung) Students Jointly organised with ITSHK & AMC
28 Jul 2005	The 6th Info-Security Conference 2005	Howard DICKSON Organised by the Chamber of HK Computer Industry, co-organised by e21 Magicmedia Division & supported by IEEE & IT Division
29 Jul 2005	Multi-Media System – Integration with Life?	Eric NG Jointly organised with AMC & EN Division
26 Aug 2005	Serving the Community with Your Engineering Professional	H K WONG Jointly organised with AMC & YMC
30 Sep 2005	IT Project Management with Higher Productivity	Hubert MAK Jointly organised with AMC
7 Oct 2005	Time Management of Engineer	Calvin LEE Organised by AMC & co-organised by IT Division
21 Oct 2005	Waste Management System: Integrated Processing Technology Platform	Shawn WANG Vincent CHENG Jointly organised with AMC & CA Division
25 Nov 2005	Strategy to Tackle the Latest Security Risks	Dixon HO Jointly organised with AMC & EN Division
8-10 Dec 2005	The International Symposium on GPS/GNSS	Organised by the Department of Land Surveying, Geo-Informatics (LSGI) & PolyU & supported by IT Division
9 Dec 2005	Jump Lift System in Construction Site	K O TAM Organised by CA Division & co-organised by AMC & IT Division
17 Jan 2006	Avalanche: A Network Coding Analysis	Raymond YEUNG Jointly organised with IEEE HK Computer Chapter
7 Feb 2006	IT Bridge: Caring Programme – Training Session for Care Takers	Jointly organised with YMC
22 Feb 2006	Features of Hong Kong and PRC Arbitration and Practice	Samuel C C WONG Organised by AMC & co-organised by CA & IT Divisions
10 Mar 2006	Energy Saving by Integrated Heat Pump Technology	Michael LEUNG Organised by CA Division & co-organised by AMC, EV & IT Divisions
	Anti-Spam Conference	Edmund SUNG Organised by HKPC, co-organised by OGCIO & supported by IT Division
13 Mar 2006	Remote Sensing Technology for Environmental Applications	ZHOU Qiming Organised by HK Society for Photogrammetry & Remote Sensing & co-organised by IT Division & the YMS of IEE Hong Kong
17 Mar 2006	All Locations Positioning System (ALPS) and Applications	Karl LEUNG Jointly organised with EN Division
21 Mar 2006	新一代流動電話 3G 講座	Organised by Macau Institute of Engineers & co-organised by IT Division
7 Apr 2006	Luncheon Talk: Update on Digital 21 IT Strategy	Howard DICKSON
10 Apr 2006	Career Talk: Department of Computing, IVE (Shatin)	Jointly organised with AMC & PRC
24 Apr 2006	中醫養生之道 (2)	彭偉明 Organised by AMC & co-organised by IT Division
28 Apr 2006	The 16th Annual General Meeting	–
	HKSTP – A Bridge to the Future	Genardini CARLOS Jointly organised with EN Division
4 May 2006	Annual Conference: IT Professional Practice	Local & overseas speakers
	Annual Dinner	Roderick WOO
9 May 2006	The 7th Info-security Conference 2006	Organised by the Chamber of HK Computer Industry & supported by IT Division
27 May 2006	Surveillance System for Management and Security Projects	Wallace MA Jointly organised with AMC & CA Division
2 Jun 2006	Forum on Establishment of the Communications Authority: How It should be Done?	Marion LAI Charles MOK Representatives from Internet & Telecom Association of Hong Kong, & Hong Kong Televisioners Association Organised by HKISPA, HKITF, HKWTIA, Internet Society HK Chapter, Office of The Hon Sin Chung Kai & supported by IT Division

Technical Visits/Other Activities

Date	Title
30 Jul 2005	KMB IT System
7 Apr 2006	Launching Ceremony of the Hong Kong ICT Awards 2006 – eGovernment Award
17 Jun 2006	Virtual Reality Therapy Laboratory in CityU

Ir Dr Aaron W K Tong

Manufacturing & Industrial Division

This Session the Manufacturing & Industrial Division organised and supported a number of activities for its members, including competitions, seminars, Young Engineers Programme 2006 (YEP 2006) and the programme on "Capability Building of Manufacturing & Industrial Engineers in Response to CEPA Initiative". These activities provided a platform for our members to exchange knowledge and to learn about new developments in the field of manufacturing & industrial engineering.

The Division sponsored the Technology Design Competition for the Hong Kong Youth and also three teams of students to join the "PRC Regional Final Design and Make Competition". The results were encouraging as two teams received 1st Class awards and the remaining teams received 2nd Class awards.

The Division continued to organise the YEP 2006 with an aim to enable undergraduates of the Manufacturing & Industrial Discipline to better understand the industrial environment of Hong Kong and the Pearl River Delta area. The programme included seminars and company visits in Hong Kong and Mainland. Two seminars on "What is Manufacturing & Industrial Engineering?" and "Industrial Engineering in Hong Kong" were organised. With the help of the mentors, participants as well as the Committee members of the Division, company visits were arranged for young engineers.

The programme on "Capability Building of Manufacturing & Industrial Engineers in Response to CEPA Initiative" was funded by the Government as a Professional Services Development Assistance Scheme (PSDAS) project. It was a one-year programme with a two-day seminar, five one-day industry specific seminars, five one-day technical training workshops, a two-day China Market seminar and a two-day study mission. The programme attracted several hundred manufacturing & industrial engineers as well as other professionals to participate.

To make further use of the PSDAS to help our members, our Division will actively explore topics that will benefit our professional development in the coming Session.

YEP 2006 China Firm Visit

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
10 Dec 2005	Lean Manufacturing	Michael BAUDEN Aaron TONG
30 Dec 2005	Six Sigma ASQ Approach	Aaron TONG
13 Jan 2006	Six Sigma in Manufacturing – Experience Sharing	Aaron TONG
20 Jan 2006	Six Sigma for Engineers – Experience Sharing	Various Speakers Jointly organised with Hong Kong Society of Quality, Six Sigma Society of Hong Kong and American Hong Kong Electronics Association
11 Feb 2006	YEP 2006 Seminar on What is IE?	–
24 Feb 2006	Six Sigma in Service – Experience Sharing	Fugee TSUNG Aaron TONG
22 Apr 2006	YEP 2006 Closing Ceremony	–
8 May 2006	Annual General Meeting	–

Technical Visits/Other Activities

Date	Title
24-25 Jun 2005	專業服務發展資助計劃 — 兩天內地公司考察
19 Dec 2005	中南六省區港澳特區第二屆大學生創新設計與製造大賽 — 香港區賽頒獎禮暨省區總決賽香港獲獎代表隊慶典
14-15 Apr 2006	YEP 2006 China Firm Visit

Materials Division

Ir Prof Joseph K L Lai

The Materials Division has been actively engaged in the promotion of Materials Science through seminars and site visits. While providing invaluable opportunities for experts to meet and share ideas, these activities were also open to the general public with a view to promulgating the importance of Materials Science to our society.

The Division, as in previous years, continued to get generous financial support from the Professional Services Development Assistance Scheme to enable professional development of more young members through training programmes.

While conventional materials like cement and concrete remained a focus, the Division also devoted itself in promoting novel but very useful materials.

For instance, a well-respected expert from Oxford, Dr Richard Todd, was invited to give a talk on Nanocompsite in a seminar jointly held with the City University of Hong Kong.

The Division is also keen on fostering future leaders in Materials Science for Hong Kong. A generous scholarship scheme has been set up for students intending to study Materials Science at first-rate overseas institutions.

Whilst the Division will keep on widening its contacts with fellow engineers in Hong Kong, it will also continue to maintain its links with other overseas organisations.

Seminar on Routes to Materials Discipline

Technical Meetings/Technical Visits

Date	Title	Speaker(s)/Remarks
22 Jul 2005	Lightweight Concrete	Various speakers PSDAS
29 Aug 2005	Route to Materials Discipline	Various speakers Jointly organised with AMC & YMC
10 Sep 2005	Yue Xiu Cement Plant	–
16 Sep 2005	Impressed Current Cathodic Protection	Johnny AU Jointly organised with IOM^3 & Institute of Quarrying (HK Branch)
13 Feb 2006	The In-situ Determination of Strain of Concrete	Tom HARRISON
25 Apr 2006	Annual General Meeting	–
26 Apr 2006	Precious Materials Authentification: Jewellery, Diamond & Jade	C K CHEUNG
22 Jun 2006	Wear Resistant Alumina/SiC Nanocomposite – The Importance of Plastic Deformation in Ceramics	Richard TODD Jointly organised with CityU

Ir Leung Hou Kin

Mechanical, Marine, Naval Architecture & Chemical Division

The 2005/2006 Session had been an eventful and fruitful year for the Division. The Division organised over 35 activities, which were mainly technical seminars, technical visits (local and overseas) and career talks, to help members enhance their professional capabilities and to encourage engineering students to join the engineering profession. In order to foster the working relationship with our local professional counterparts and to ensure effective budgeting with allocated funds, some of these activities were jointly organised with the Institution of Mechanical Engineers (IMechE) (Hong Kong Branch), the American Society of Mechanical Engineers (ASME) (Hong Kong Section), Hong Kong Joint Branch of the Royal Institution of Naval Architects, the Institute of Marine Engineering, Science and Technology and the Hong Kong Institute of Marine Technology.

To facilitate registration of the activities, we launched the on-line activities application on the Division's homepage in January. To enhance communication with our members and to keep them informed of upcoming activities, we launched the MMNC Newsletter in April 2006.

During this Session, the Division organised overseas technical visits to Qingdao in September 2005 and to Japan in November 2005 respectively. These trips provided members with opportunities to meet their Chinese and Japanese counterparts and to exchange views on engineering development.

To arouse the interest of youngsters in engineering and to encourage them to use their imagination and creativity in solving problems, a young inventor competition, jointly organised with IMechE (Hong Kong Branch), ASME (Hong Kong Section) and the Mechanical Engineering Society of the University of Hong Kong, was held in January. The event was filmed by Radio Television Hong Kong and broadcasted by Asia Television Ltd in February 2006.

In addition to seminars and technical visits, the Division also organised many social functions, such as Wine Tasting and Dragon Boat Racing, during the Session.

In April this year, the Division signed the Co-operation Memorandum with the Guangdong Society of Naval Architects and Marine Engineers and the Guangdong Mechanical Engineers Society to establish a mutual exchange of information on activities, including details of research and development, technical applications and business developments.

Special thanks is hereby given to all Committee members and those who contributed their valuable time and effort to enable the Division to organise so many eventful activities and to have another successful year.

Overseas Delegation to Japan

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
18 Aug 2005	Wine Tasting (Italian Wine) cum Social Gathering	Jointly organised with ASME (HK Section) & IMechE (HK Branch)
20 & 27 Aug, 3 & 10 Sep 2005	Four-day Continuing Professional Development Program on Professional Training in Product Analysis and Testing	Jointly organised with PolyU-Dept of ME & ANSYS (China) Ltd
15 Oct 2005	Introduction of P2E2 Performance Contract Model	Stewart J BALLARD
	Young Engineering Forum	Jointly organised with ASME (HK Section) & IMechE (HK Branch)
24 Oct 2005	The Hong Kong Product Life Cycle Management (PLM): Integration through Partnership 2005	Jointly organised with PolyU-Dept of ME
4 Nov 2005	Zheng He's Voyages (鄭和下西洋)	陳佳榮
14 Nov 2005	Survey System for Local Vessels under the New Ordinance & the Engineer & the Shrinking World of Globalisation	CHAN Ming Yau B S MAKHIJA
5-8 Dec 2005	Marintec China 2005 – The All China Maritime Conference & Exhibition	–
9 Dec 2005	Cost Management & Contract Procurement System for Hotels Development	Johnson SO
13 Dec 2005	Guidance Notes on Road Traffic Noise Assessment	NG Ping Sum
21 Jan 2006	Young Inventor Competition	Jointly organised with IMechE (HK Branch), ASME (HK Section) & Mechanical Engineering Society of HKU
6 Mar 2006	Marine Parks & Marine Ecological Resources & Their Values	Janice LUN
27 Apr 2006	Annual General Meeting & Annual Dinner	–
	Asset Management – Wins & Challenges in MTRC	Morris S W CHEUNG
8 May 2006	Road Traffic Noise Problem in Kong Kong	C M MAK & others Jointly organised with EV Division, HKIA, PolyU & HKIOA
20 May 2006	Dragon Boat Race	–
9 Jun 2006	Preemptive Diagnostics	Jeremy HO
15 Jun 2006	Wine Tasting (Chilean Wine) cum Social Gathering	–
16 Jun 2006	Planning, Engineering, Construction & Operation of Hong Kong's First Grid Connected Wind Turbine Pilot Project	C W TSO
19 Jun 2006	MPF Market Review & Financial Planning	Bob PANG Christina FUNG

Technical Visits

Date	Title
9 Jul 2005	Ocean Park
8-11 Sep 2005	China Delegation to Qingdao
10-14 Nov 2005	Overseas Delegation to Japan
19 Nov 2005	In-flight Catering Facility
26 Nov 2005	EMSD New Headquarters
4 Mar 2006	EMSD Headquarters Technical Visit
11 Mar 2006	Tung Chung Cable Car
8 Apr 2006	South China University of Science & Technology & the Guangzhou Maritime Technical College
29 Apr 2006	Western Harbour Tunnel Company Ltd
13 May 2006	Hong Kong Science Park

Nuclear Division

Ir Dr Herman Y W Tsui

The 2005/2006 Session was an eventful and fruitful year for the Nuclear (NE) Division. On 1 to 2 December 2005, we co-organised with the Hong Kong Association of Risk Management and Safety a very successful "2005 Asia Pacific Conference on Risk Management and Safety" which was well received by experts and professionals in the field both from Hong Kong and overseas. We also supported the "World Nuclear Fuel Cycle 2006 Conference" organised by the World Nuclear Association and Nuclear Energy Institute, which was held in Hong Kong for the 1st time from 4 to 6 April 2006. The Conference was a very successful forum for the participating experts and professionals around the world.

In this Session, we organised five seminars with distinguished speakers from Hong Kong, the Mainland and overseas. We also organised quality technical visits to Guangdong and Lingao Nuclear Power Stations, the Electrical and Mechanical Services Department new headquarters and the Hong Kong Observatory. Well-received by participants, these popular visits were over-subscribed. Lastly, we had successfully organised a technical visit to the Qinshan Nuclear Power Station and nuclear institutions in Shanghai between 17 and 20 May 2006. The visit had further promoted our technical exchange and relationship with Mainland institutions. In particular it deepened our understanding of China's promising nuclear power development based on the self-reliance and localisation policy.

Regarding the proposed amalgamation with the Gas & Energy (EG) Division, the Special General Meetings of the EG Division and NE Division held on 10 and 11 January 2006 respectively had approved the amalgamation of the two Divisions to form the Gas, Energy and Nuclear Division. Subsequently, on the recommendation of the Learned Society Board (LSB), the Council approved the proposal for continuing the status of the NE Division without a representative in the Council. The LSB would keep monitoring the development of this matter.

The Division is committed to continuing with the service to its members amidst the global nuclear renaissance in the coming years.

Group Photo at Qinshan Nuclear Power Station Phase Two

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
28 Nov 2005	Plasma Technology — from Nuclear Fusion to Bio-medical	Herman TSUI Jointly organised with BM Division
1-2 Dec 2005	2005 Asia-Pacific Conference on Risk Management & Safety	Jointly organised with HKARMS
2 Dec 2005	Current Applications of Probabilistic Safety Assessment for Nuclear Power Plants?	David H JOHNSON Jointly organised with SSC & HKARMS
11 Jan 2006	Walking & Climbing Service Robots for Safety Inspection of Nuclear Reactor Pressure Vessels	B L LUK
17 Jan 2006	Medical & Micro Rapid Prototyping Technologies to Support the Design & Manufacturing of Medical Device	Ashley PUN Bryan SO Thomas YONG Rachel WONG Jointly organised with BM & EN Divisions & HKPC
4-6 Apr 2006	World Nuclear Fuel Cycle 2006 Conference	Organised by World Nuclear Association & Nuclear Energy Institute & supported by NE Division
9 May 2006	廣東核電在前進	QIN Guoan Jointly organised with PolyU

Technical Visits

Date	Title
14 Jan 2006	Guangdong Daya Bay Nuclear Power Station, Daya Bay, Shenzhen
22 Apr 2006	EMSD New Headquarters at Kowloon Bay
13 May 2006	Hong Kong Observatory
17-20 May 2006	Nuclear Institutions in Shanghai & Qinshan Nuclear Power Station in Zhejiang Province

Ir Dr Vincent S Ho

Safety Specialist Committee

The mission of the Safety Specialist Committee (SSC) is to promote safety awareness of engineers, and to uphold and improve safety standards in engineering practice through the promotion, development and dissemination of information and knowledge. We have a vision to be both a world-class organisation in safety technology and knowledge, and the leader amongst Hong Kong safety institutions.

The 2005/2006 Session has been a very productive year in terms of the organisation of learned society activities and building up the momentum of maintaining an environment that enhances the safety awareness within the engineering profession. Many of the technical meetings and site visits were held jointly with either other Divisions or external professional institutions. The joint activities offered a win-win situation as we effectively promoted safety to a wider variety of audience, while controlling the cost in organising these activities.

Our highlight of the year was to co-organise the "2005 Asia-Pacific Conference on Risk Management and Safety". The Conference, which was chaired by the Committee Chairman Ir Dr Vincent Ho, attracted over 300 delegates from over 20 countries. Many overseas delegates cited the Conference being one of the most important safety professional events in 2005.

To maintain a close tie with Mainland safety professionals, we participated in the 2nd International Conference on the topic of City and Industrial Safety in Nanjing with SSC representatives as members of the Conference's Steering and Technical Committees, and as speakers as well.

In the coming Session, the Committee will continue to maintain close ties with professional institutions in Hong Kong and overseas with an aim to bring in advanced safety technology and promote the image of the HKIE members in the international safety community.

Technical Visit to Route 8 — Lai Chi Kok Viaduct

Technical Meetings/Seminars/Technical Visits

Date	Title	Speaker(s)/Remarks
5 Jul 2005	Fire Safety — Automatic Fire Detection	Samuel LIP Jointly organised with BS Division
11 Jul 2005	Sharing the Experience of Safety Award Achievement	Vincent YUEN Jointly organised with AMC
19 Aug 2005	Nam Wan Tunnel & West Tsing Yi Viaduct Construction	Colin FOSTER Jointly organised with CV Division & AMC
9 Sep 2005	OHSAS 18001: An Introduction & Experience Sharing	Chris YAU Richard TSE
10 Sep 2005	Contemporary Legal, Safety & Dispute Issues in the Utility Survey Industry of HK	Jointly organised with HKIUS
28 Sep 2005	Safety Management by Behaviour Psychology Approaches	Alex CHEUNG
28 Oct 2005	Scaffolding & False Work Safety	Jointly organised with PolyU & IOSH
17 Oct 2005	Utility Management & Safety	Stephen CHOW Jointly organised with HKIUS, HES & EG Division
22 Oct 2005	Role of Simulator in Flight Safety	—
1-3 Nov 2005	The 2nd City & Industrial Safety Conference (Nanjing)	—
11 Nov 2005	Fire Evacuation — How Well are You Prepared?	Michael LEUNG Jointly organised with AMC, YMC & SRSO
14 Nov 2005	5S & Safety	Roger LAI
19 Nov 2005	Escalator Safety at Ocean Park	Frankie HAU
29 Nov 2005	Probabilistic Risk Assessment in Decision — Making for Aerospace Systems	Mike FRANK Jointly organised with CA Division, ASME (HK Section), RAeS (HK)& HKARMS
1-2 Dec 2005	Risk Management & Safety	Jointly organised with HKARMS & other organisations

Date	Title	Speaker(s)/Remarks
2 Dec 2005	Current Application of PRA in Nuclear Safety	David JOHNSON Jointly organised with NE Division & HKARMS
14 Jan 2006	Safety Seminar & Technical Visit to Route 8 – Lai Chi Kok Viaduct	Don LILLIMAN Henry LIU Joseph CHI Jointly organised with AMC
17 Jan 2006	Scaffolding Safety I	NG Lun Hoi Jointly organised with IOSH
13 Feb 2006	Accident Precursors	Carl WU
20 Feb 2006	Scaffolding Safety II	NG Lun Hoi Jointly organised with IOSH
19-20 Apr 2006	Risk & Fire Engineering for Tunnels, Stations & Linked Underground Spaces	Supported by HKARMS & TMI
10 May 2006	CPD Strategy for Safety Professionals	LO King Lok Jointly organised with IOSH & HKOSHA
27-28 May 2006	JLGOSH Conference for Safety Practitioners	Jointly organised with 6 other safety organisations
6 Jun 2006	Gas Safety	Jointly organised with CV Division, IOSH & HKIUS
7-9 Jun 2006	The 9th Asian International Security, Safety & Fire Protection Show & Conference, SECURITEX 2006	Supported by HK Exhibition Services

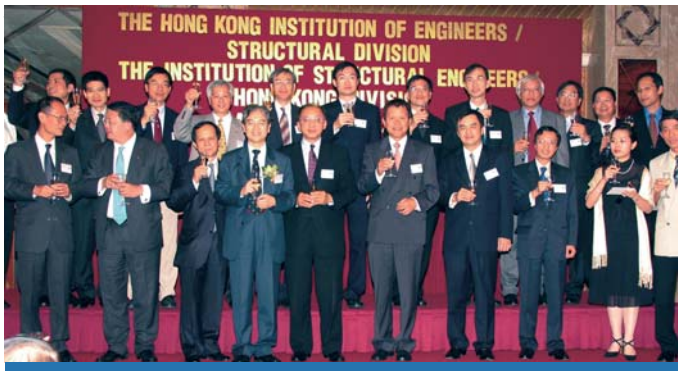
Ir Choy Kin Kuen

Structural Division

In this Session, the Structural Division and the Institution of Structural Engineers (IStructE) (Hong Kong Division) jointly organised many activities including technical meetings, technical visits, IStructE China Awards, Joint Structural Division Special Awards and Annual Seminar, for the members of the Joint Division. With strong support from members, the Annual Dinner was successfully held on 25 November 2005 at the Holiday Inn Golden Miles. For the Annual Visit, we organised a visit to Beijing from 25 to 28 May 2006. The delegation was led by senior members and there were fruitful interactions with our counterparts in Beijing. Winners of this year's Joint Structural Division Special Awards were finally decided by the Judging Panel after thorough consideration. The awards included Special Award of China Projects and Hong Kong Projects, and one Commendation Award. Apart from organising activities, our Committee members and senior Members also represented the Structural Division on various boards and committees of the HKIE and Government departments.

On matters relating to professional recognition and training, assessment for the Reciprocal Recognition Agreement between the HKIE and National Administration Board of Engineering Registration (Structural) (全國註冊工程師管理委員會(結構)) of Ministry of Construction was successfully held on 15 to 17 November 2005 in Hainandau. To facilitate our candidates for the assessment, Prof Rong Baisheng was invited to deliver a half-day lecture on seismic design on 5 November 2005. Funded by the Commerce, Industry and Technology Bureau, we instigated and organised a training package to sharpen the competitive edges of local young engineers for working on the Mainland. On 14 to 16 and 19 to 21 December 2005, two seminars were held with presentations made by four renowned Mainland structural engineers and professors to around 100 young structural engineers.

The President of IStructE, Mr Michael Dickson and Chief Executive of the IStructE, Dr Keith Eaton, visited Hong Kong from 12 to 17 February 2006. On 17 February 2006, the Award Presentation Dinner of IStructE China Awards 2005 was held and 14 awards were presented to the outstanding developments in China with excellence in structural engineering.



Structural Division Annual Dinner

Technical Meetings/Seminars

Date	Title	Speaker(s)/Remarks
1 Aug 2005	Failed Safety, 'Criminal'? – Is Professional Responsibility Ethical or Mechanical?	Philip J CHMIELEWSK
1 Sep 2005	The High Rise Building – How High Can We Go?	Leslie E ROBERTSON Jointly organised with HKU
14 Sep 2005	The Planning & Construction of the Hong Kong Wetland Park	Eric P W CHAN Michael K Y LI Jointly organised with BD Division
29 Sep 2005	Fire Safety Engineering of Structures	Michael GREEN Buro HAPPOLD
19 Oct 2005	Design & Construction of Ma On Shan Sports Complex	C C CHOY
5 Nov 2005	Seismic Design of Buildings	–
23 Nov 2005	An Overview of Structural System & Construction of Langham Place	Man KANG Donald TSANG
25 Nov 2005	Annual Dinner	–
15 Dec 2005	Integrated Site Supervision System	Philip C T KWOK
20 Dec 2005	Building Management & Maintenance – Public Consultation of Mandatory Building Inspection	LAM Siu Tong Jointly organised with BD Division
12 Jan 2006	Condition Assessment of Highway Bridges under Operational Conditions	S S LAW
13 Feb 2006	An International Institution for the Future – IStructE in Hong Kong	Michael G T DICKSON Jointly organised with YMC
4 Mar 2006	Examination Technique for the IStructE Chartered Membership (Part 3) Examination	Jointly organised with YMC
22 Mar 2006	Planning & Construction of Phase 2 Development of Hong Kong Science Park	Adam S C CHOY Jason H Y WONG
27 Apr 2006	Design & Construction of Shanghai Hong Kong New World Tower	Terence YIP
22 May 2006	Direct Strength Method for Stainless Steel Section Undergoing Distortional Buckling	Kim RASMUSSEN Jointly organised with HKU
16 Jun 2006	Structural Fire Engineering	–

Technical Visits

Date	Title
5 & 12 Nov 2005	Hong Kong Wetland Park
25-28 May 2006	Annual Visit to Beijing

Ms Joyce Y T Chan

Young Members Committee

It has always been the main objective of the Young Members Committee (YMC) to provide excellent services as well as personal and professional development opportunities to young members, and to promote the engineering professions to future generations. With the support and effort of the enthusiastic Committee members and helpers, YMC had not only achieved the mission, but had also successfully established itself as one of the most active committees in the Institution during the 2005/2006 Session.

Although technical seminars and visits remained the main stream of our activities calendar, the Committee also organised other activities to echo the theme of diversified development in order to build up young engineers' scope of knowledge on communication skills, management skills and leadership skills.

In this Session, YMC formed a choir and joined the "Caring Engineers' Concert" in January 2006. In addition, the Committee organised a leadership training camp and participated in the Construction Industry Training Authority sports day, in which trophies were won. All these activities provided opportunities for young engineers to develop themselves professionally and personally.

YMC had an intensive promotion programme in this Session. Apart from university students, some Committee members were school ambassadors and they established close links with local secondary schools to offer information and advice to help students to better understand the pre-requisites for becoming an engineer. The Committee also participated in the Road Shows organised by the Institution and were interviewed by the Metro Broadcast Corp Ltd. Both events were aimed at promoting the engineering profession to the public.

YMC could not have made its progress without the support from other divisions and committees of the Institution, as well as other institutions, societies and associations. Sincere thanks go to all of them for their continued support.

Group Photo at Astronomy Camp

Technical Meetings/Seminars

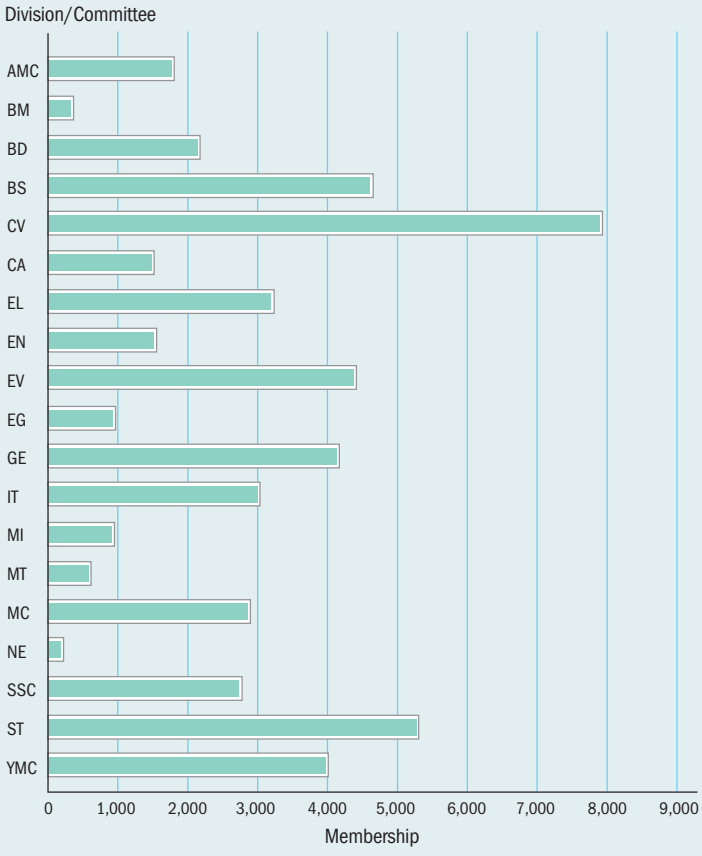
Date	Title	Speaker(s)/Remarks
26 Aug 2005	Serving the Community with Your Engineering Professional	Jerry WONG Jointly organised with AMC & IT Division
27 Aug 2005	Slope Stability Analysis Workshop	Speakers from ASCE Jointly organised with ASCE
29 Aug 2005	Route to Materials Discipline	Jonathan CHUNG Eric LIM Jointly organised with AMC & MT Division
24 Sep 2005	Feng Shui & Its Implication to Civil Structures	Thomas LEE
8 Oct 2005	Essay Writing & Interviewing Skills for Professional Assessment in Civil Discipline	Martin CHEUNG Tim IP Eva MAK Jointly organised with CV Division
20 & 26 Oct 2005	Practical Photographic Workshop	FUNG Ho Lam
31 Oct 2005	工程管理中活用《孫子兵法》	梁天培教授、工程師 Jointly organised with IEEE
11 Nov 2005	Fire Evacuation — How Well are You Prepared? (Part II)	Michael LEUNG Jointly organised with AMC & SRSO
15 Nov 2005	Young or Ready — Route to Corporate Membership for Geotechnical Discipline	Victor LI Jointly organised with GE Division
22 Nov 2005	Renewable Energy: Background, Application & Issues	Shihe CHEN
5 Dec 2005	Communication Workshop Series 1: Make Good Use of Your Voice & Body Language	Experienced speakers from TMC Jointly organised with TMC & CPDC
14 Dec 2005 & 25 Jan 2006	Food Science & Nutrition Course	Forster CHAN Ginnie CHI Jointly organised with CPDC
16 Jan 2006	Legal Issues Involved in Management Contracts — Experience in Macau	Craig SHEPHRED Kenneth MACH
16 Feb 2006	三極宣言環保講座	李樂詩 Jointly organised with AMC & GE Division
20 Feb 2006	Communication Workshop Series 2: Power of Visual Aids — From Meaningless Data to Useful Information	Experienced speakers from TMC Jointly organised with TMC & CPDC
27 Feb 2006	Tactics for Achieving Good Relationships in Workplace	Kate CHAN Jointly organised with CPDC
4 Mar 2006	Examination Technique for the IStructE Chartered Membership (Part 3) Examination	K S LAW Fred NG Helen KWAN James LAU C K LAU Simon LEE Jointly organised with ST Division
17 Mar 2006	Green Action — Appreciation on Natural Paradise	Miranda CHAN Jointly organised with CPDC
22 Apr 2006	The 7 Habits & an Engineer How to See, Think & Act Differently — to Get Better Results in the Chaotic World	Kambo HA
26 Apr 2006	Communication Workshop Series 3: How to Handle the Media	Experienced speakers from TMC Jointly organised with TMC & CPDC

Date	Title	Speaker(s)/Remarks
29 Apr 2006	Slope Stability Analysis Workshop	Speakers from ASCE Jointly organised with ASCE
13 May 2006	Managing Your Monetary Provident Fund (MPF) Portfolio	Speaker from Winterthur Life
17 May 2006	Young or Ready – Route to Corporate Membership in Building Discipline	C M TAM Jointly organised with BD Division
19 May 2006	Ethics for Professional Engineers	Martin CHEUNG Tim IP Jointly organised with CPDC
9 Jun 2006	The 21st Annual General Meeting & Annual Seminar on Sustainable Construction	Sarah LIAO

Technical Visits/Other Activities

Date	Title
16 Aug 2005	Promotion Talk at O'Camp of HKU
20 Aug 2005	Plastic & Tooling Technology Development Centre
27 Aug 2005	Wine Tasting
10 Sep 2005	Power Quality Technology Centre & Exhibition Centre
16 Sep 2005	Causal Drink with Law Society
15 Oct 2005	CLP Power Training School
22 Oct 2005	Deep – Autumn Tram Party
30 Oct 2005	Practical Photographic Workshop
31 Oct 2005	Halloween Party
1 Nov 2005	Promotion Talk at HKUST
5 & 12 Nov 2005	Hong Kong Wetland Park
19 Nov 2005	Central Forecasting Office of the HK Observatory & Tai Mo Shan Radar Station
3 Dec 2005	Real Gun Shooting
16 Dec 2005	Christmas Party
4, 11, 18 & 25 Jan 2006	Communicative Arts: Understanding the Psychology of Dancing
9 Jan 2006	Caring Engineers' Concert 2006
21 Jan 2006	Interview by Metro Broadcast Corp Ltd
	HEC Combined Cycle Power Plant at Lamma Power Station
25 Jan 2006	Drawing as an Expression of Life
Jan - Jun 2006	Enlivening the Family Network through Inclusivity: the Pilot Scheme in Yuen Long
11 Feb 2006	Fun Day
18 Feb 2006	Building Maintenance Systems at Taikoo Place
25 Feb 2006	香港紅十字會賣旗籌款日 — 愛心 1+1 義工招募
	終身學習系列: 北潭涌歷奇訓練營
3 Mar 2006	Promotion Talk at IVE (Tsing Yi)
4 Mar 2006	KCRC Construction Site (Lok Ma Chau)
18 Mar 2006	終身學習系列: 汀角鹿頸生態之旅
18-19 Mar 2006	Material Plants in Shenzhen & Guangzhou
23 Mar 2006	Promotion Talk to BS Students in CityU
24 Mar 2006	YMC 明日領袖訓練班
2 Apr 2006	Talk Show at Maritime Square
20 Apr 2006	CLP Visit for Deprived Families
22 Apr 2006	Leisure with Archery
	The Li Ka Shing Medical Faculty of HKU
	義工服務與保良局小朋友科學探秘
23 Apr 2006	Talk Show at Telford Plaza
13 May 2006	Hong Kong Observatory
3-4 Jun 2006	星空奇遇夜
9 Jun 2006	The 21st Annual Dinner

Membership of Divisions/Committees
(as at 19 June 2006)

Division/Committee		Membership
Associate Members Committee	(AMC)	1,825
Biomedical Division	(BM)	384
Building Division	(BD)	2,196
Building Services Division	(BS)	4,675
Civil Division	(CV)	7,955
Control, Automation & Instrumentation Division	(CA)	1,538
Electrical Division	(EL)	3,254
Electronics Division	(EN)	1,571
Environmental Division	(EV)	4,432
Gas & Energy Division	(EG)	984
Geotechnical Division	(GE)	4,190
Information Technology Division	(IT)	3,054
Manufacturing & Industrial Division	(MI)	971
Materials Division	(MT)	637
Mechanical, Marine, Naval Architecture & Chemical Division	(MC)	2,918
Nuclear Division	(NE)	241
Safety Specialist Committee	(SSC)	2,796
Structural Division	(ST)	5,325
Young Members Committee	(YMC)	4,031

Membership of Divisions/Committees