

Reports from Divisions and Other Committees 2008/2009

DIVISIONS

Biomedical Division

The Biomedical Division has been taking bold but steady steps to promote the professionalism and enhance the capability of local engineers in biomedical engineering development. The Division has organised activities covering very broad topics contributed from the wealth of our Committee members, which consist of a wide spectrum of biomedical engineers from the medical device industry, academia, regulatory body, Government departments and semi-Government organisations.



Ir Derek C H LOUIE,
Chairman

As part of the on-going Government funded project under the Professional Services Development Assistance Scheme entitled "To Promote the Professionalism and Enhance the Competence of Local Engineers in Facilitating the Design and Manufacturing of High Value-added Medical and Healthcare Devices", a two-day conference cum one-day technical visit, the "BME2008 Hong Kong Biomedical Engineering International Conference", was organised from 23 to 25 October 2008 attracting over 400 participants. Serving as an exchange forum for local and international biomedical engineers, scientists, researchers, practitioners, regulators and industrialists to facilitate the latest information interflow and promote learning from overseas successful stories and thus stimulating industrial enhancement, the Conference was concluded with great success, with acclamation credited to the biomedical engineering academic and research achievements, both inspiring and rewarding, as well as celebration for our biomedical engineering professionalism.

In this Session, the Division has closely collaborated with our affiliations in organising various Continuing Professional Development seminars and trainings. The Division has been working closely with other Divisions of the HKIE, including Electronics Division, Information Technology Division, Manufacturing & Industrial Division, Young Members Committee and Associate Members Committee. We have also actively co-organised various activities with the Engineering in Medicine and Biology Society of the Institute of Electrical and Electronics Engineers (Hong Kong Chapter), the Hong Kong Medical and Healthcare Device Industries Association and the Biomedical Engineering Alumni Association of the Hong Kong Polytechnic University to promote information exchange in the biomedical field.

May I take this opportunity to express my sincere thanks to our Committee members who have devoted a lot in sharing their invaluable experience with the Division. In the coming Session, the Division will continue to enhance our connections with the industry and medical practitioners, foster the training of high caliber engineers, and contribute to the development of the biomedical engineering profession.



Hand Shaking of Ir Derek Louie, Chairman of Biomedical Division and Ir Prof John Mok (R), Chairman-elect of Biomedical Division for Session 2009/2010



Annual General Meeting of Biomedical Division on 17 April 2009

Building Division

During the Session, a total of 23 activities and events were organised including technical seminars, technical visits, China Link visit, Annual Dinner, fellowship gathering, Annual Seminar and a reception for the Sabah Branch of the Institution of Engineers, Malaysia.

The Division, together with ten professional institutions and related organisations organised the Quality Building Award 2010 (QBA 2010). The objective of the QBA was to give recognition to buildings of outstanding quality and design which demonstrated collaborative teamwork of building professionals.

The Division's 8th Annual Seminar entitled "High Quality Buildings in Hong Kong and Macau" was successfully held at the Hong Kong Convention and Exhibition Centre on 12 March 2009 and attended by over 280 members and guests.

During the technical visit to the Earthquake Engineering Research and Test Centre at the Guangzhou University, China, Prof F L Zhou gave a lecture and demonstrated a shaking table test and rubber bearing base isolation test for the earthquake resistant design of buildings/bridges and showed members around the engineering facilities in Guangzhou University.



Ir WONG Chi Ming,
Chairman

Following its tradition, the Division Committee arranged a technical visit to Xi'an during Easter. A team of 24 members including an officer from the Liaison Office of the Central People's Government in the HKSAR visited the Shaanxi Province Government Construction and Building Industry Administration Department, several building construction sites and Xi'an Aircraft Industry (Group) Company Ltd.

The Division also participated in the HKIE 512 Reconstruction Task Force to provide technical support and manpower resources to Sichuan post earthquake reconstruction projects together with other Divisions.



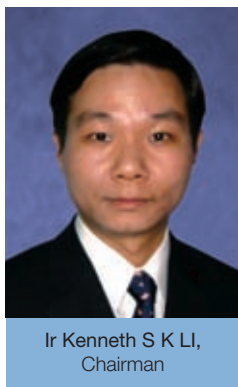
The 8th Annual Seminar 2009 of Building Division



Visit to Xi'an Aircraft Industry (Group) Company Ltd

Building Services Division

Session 2008/2009 was a busy and fruitful year for the Building Services (BS) Division. The Division organised over 50 Continuing Professional Development (CPD) activities including seminars, workshops, visits and symposia. Our CPD activities are always very popular and well attended. An average of more than 100 attendees was recorded for each of the technical activities. Through the assistance from the Liaison Office of the Central People's Government in the HKSAR, a study tour was organised from 10 to 14 April 2009 to Peking University.



Ir Kenneth S K LI,
Chairman

To maintain communication with the Government, our Division Committee members served on various task forces, committees and working groups. We also offered professional comments and opinions to various consultation papers of Government departments.

The Research Study on Hong Kong's Building Services Profession is in its final stage. An open forum was conducted on 22 April 2009 to exchange opinions with the industry. A final research report will be completed soon and we are eager to share with members our findings.

We are aware of the importance of recruiting youngsters to join the profession. In parallel with the School Ambassadors Programme of the Institution, our Division conducted two school talks to introduce the building services profession to senior secondary school students and two career talks to engineering students of universities and Vocational Training Council.

In addition to our annual scholarships offered to brilliant students in universities and vocational institutes, six more scholarships were granted to building services engineering students with outstanding achievements in their studies.

The divisional websites standardisation process has commenced. Under the project, we would enhance further the function of our website for reports of activities, forum and online registration.



Annual Dinner of Building Services Division



中國國情研習班

Civil Division

I am very fortunate to have the opportunity to serve the Civil Division in Session 2008/2009, which was another successful year for the Division. We endeavoured to organise numerous technical seminars, site visits and CPD courses for practising engineers to enhance their knowledge and skills. For these purposes, we organised the Innovation Festival at Science Park in October 2008, the Science in the Public Service Fun Fair 2008 in November 2008 and the Conference on Engineers' Response



Ir Prof Andrew Y T LEUNG,
Chairman

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to Climate Change in January 2009, all with high participation rate. Also, we co-organised many conferences with sister institutions. We actively engaged in drafting and reviewing codes of practices to enhance building and maintenance standards in Hong Kong. To plan and organise activities for more than 8,000 Division members, we set up sub-committees of Continuing Professional Development for technical meetings, Mainland contact series, site visits, website, publicity, volunteer services, social events, winter camp, awards and finance.



Delegates at the Ngong Ping Sewage Treatment Works



Anderson Road Development

A total of 24 regular technical meetings and 14 technical visits were held during the year. We organised four Mainland visits and events relating to earthquake engineering research. The Conference on Engineers' Response to Climate Change was held on 15 January 2009 in the Mira Hotel and attended by more than 150 members. The Guangdong Provincial Association for Science and Technology, the Macau Institute of Engineers, the Civil Division and Environmental Division of the Institution jointly organised the 4th Symposium under the theme of "Sustainable Development of Guangdong, Hong Kong and Macau-Our Common Goal". The Civil Division collaborated with the China Civil Engineering Society in organising the Winter Camp to Wuhan in December 2008. We also participated in the Innovation Festival 2008 at the Hong Kong Science Park in October 2008 which was officiated by the Honourable John Tsang, JP, Financial Secretary of the HKSAR. As a supporting organisation of the Hong Kong Observatory's Science in the Public Service (SIPS), the Division set up an exhibition booth at Victoria Park during the SIPS Fun Fair in November 2008 in the presence of the Chief Executive, the Honourable Donald Tsang.

Our Annual Dinner was held on 7 November 2008 at the J W Marriott Hotel, Hong Kong. It was well attended by over 500 guests and

members. The Guest of Honour was Mrs Carrie Lam, JP, Secretary for Development. The Civil Cup 2009 was held in a form of friendly competition amongst students of higher education institutions. The Basketball Competition was held on 15 February 2009 in Hong Kong Institute of Vocational Education (Tsing Yi) Sports Centre while the Soccer Competition on 22 February 2009 in the Chinese YMCA of Hong Kong Wu Kwai Sha Youth Village. Submerged in cheers and acclamation, the Division teams won both competitions and we became the overall champion this year.

Control, Automation & Instrumentation Division

While we have marked the 22nd anniversary of continuous success for the Division, I am pleased to report that the Division Committee has successfully launched some 25 events in Session 2008/2009 focusing on three major targets as follows:

- Organising technical visits to the Mainland and overseas:

Session 2008/2009 was perhaps the busiest Session for travelling as some ten out-of-city trips were organised, among which were the International Federation of Automatic Control (IFAC) World Congress; the Shenzhen Instrument & Control Society (SIS) Conference, the China Instrument & Control Society (CIS) Expos, the Guangzhou Association for Science and Technology (GAST) Conference in China, in addition to the numerous joint trips with other technical organisations in Shenzhen, Guangzhou, Yangjiang and Zhuhai, etc.

- Organising joint events with other Divisions/Committees and technical institutions:

To reinforce relationship with our counterparts in the HKIE and related institutions, the Division has collaborated over 16 joint activities with other Divisions and external organisations including the Chinese Association of Automation, the GAST, the CIS, the Guangdong Automation Association, the SIS, the Institution of Engineering and Technology, the Institute of Measurement & Control, the Manufacturing and Industrial Engineering, the Society of Operations Engineers, the Hong Kong Institute of Utility Surveyors, the InfoCommAsia Pte Ltd, the Asian Institute of Intelligent Buildings and the American Society of Heating, Refrigerating and Air-Conditioning Engineers.

- Outreaching our academic and technical contacts to control, automation & instrumentation (CAI) industry:

Representatives from different engineering and academic professions have been invited to join the Division and new initiatives were made for the Division to link up with other organisations through company ambassador programmes, Division membership recruitments and orientations, etc.



Ir Li Siu Lam,
Chairman

We believe the above efforts will eventually make the Division move forward to a new era of growth, especially in attracting more engineers to contribute to the CAI industry by large.

Finally, may I extend my gratitude for the supports from all Division members and Committee members, who have contributed significantly in making this Session a success.



Annual Dinner of Control, Automation & Instrumentation Division



Delegation to China IMCA 2008

Electrical Division

We had a very fruitful year in Session 2008/2009. Members actively participated in the Division's activities, attended our technical talks and joined our technical visits with enthusiasm. Their great support and participation brought another successful and meaningful year to the Electrical Division.

A wide range of activities were organised for members during the Session. To help members broaden their professional knowledge and keep abreast of the latest developments, 18 technical talks and seminars focusing on new and innovative technologies were organised. Furthermore, one overseas technical visit to France as well as seven local and Mainland technical visits were launched to facilitate engineering exchanges.



Ir HO Sai King,
Chairman

The 26th Annual Symposium entitled "Mega Projects – Hong Kong and Beyond" was held on 23 October 2008 at the Sheraton Hotel. Over 300 participants attended the Symposium and their responses were encouraging.

Two series of membership drive presentations were organised for post-secondary students. Each series of talks comprised of two to three presentations held in different academic institutions. Contents of the presentation included introduction of the HKIE and Electrical Division, career opportunities in the Government, power utilities, consultant and contractor sectors, benefits of being a member of the HKIE and the enrollment details. In order to reach out to secondary school students for promoting the engineering career, a technical visit to the Shatin Treatment Plant was organised in addition to meeting with the students.

To provide more opportunities for members' gathering, the Annual Dinner 2009 was held on 24 April 2009. Some 200 guests and members attended the event. A new edition of Division video with enriched contents on our recent initiatives and the prevailing development in electrical engineering field was also launched on that occasion.

To promote energy efficiency to the community, the Division has set up a dedicated team to organise the Energy Innovation Project Competition sponsored by the CLP Power Hong Kong Ltd. Secondary school students will be invited to propose and implement projects with innovative ideas to develop energy efficiency initiatives.

The Division will continue its utmost efforts to meet the needs and aspiration of all members.



The 26th Annual Symposium of Electrical Division

Electronics Division

Session 2008/2009 was the 30th anniversary of the Electronics Division. We organised a series of activities and projects to celebrate our 30th anniversary.

The 30th Anniversary Dinner was held on 8 May 2009. Government officials, Ir Stephen Chan of the Electrical and Mechanical Services Department and Ir Prof O Yue of the Innovation and Technology Commission were the guest speakers and they delivered speeches in the dinner party. Legislative



Ir Dr Wilton W T FOK,
Chairman

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Councillors Ir Dr the Hon Raymond Ho, Mrs Regina Ip and Ir Dr Samson Tam also shared their views on “Technology and Engineering Development in Hong Kong in the next 30 years” during the dinner forum. A *30th Anniversary Journal* was published to commemorate the event. The Journal summarised the work of the Division in the past 30 years and the current industry environment and was distributed to all the guests of the Anniversary Dinner.

In December 2008, the Division organised a delegation visit to the Dongguan University of Technology, the Dongguan Sung Shan Lake Science Park and Integrated Circuit Packaging Centre of the Solomon Systech. The strengths and competitive advantages of the electronics industry in Dongguan were studied.

The Division also collated views from the industry and made suggestions via Ir Dr Samson Tam to the Government for consideration of taking appropriate actions against the financial tsunami.

The Division organised a technical visit to the Cyberport in January 2009 as well as seven seminars and workshops on rapid prototyping, early computing, digital TV broadcast, foxy, radio frequency integrated circuits, radio frequency identification and dental imaging technique. The Division was also invited by ten professional bodies to be a supporting organisation of their events.

The website of the Division has been revamped. The new website provides a more convenient and user-friendly interface to facilitate content editing. There is also a new photo album and an area for members to download presentation materials made in seminars.



Technical Visit to the Cyberport



The 30th Anniversary Dinner of Electronics Division

Environmental Division

Session 2008/2009 was a fruitful and eventful year for the Division with a variety of learned society activities organised for members. The Division Committee arranged the Annual Reception on 18 November 2008 for members to meet with Government officials, environmentalists and other parties in the environmental engineering field. We also jointly organised with the Association of Engineering Professionals in Society Ltd, a four-day delegation visit to Malaysia from 20 to 23 November 2008 to meet representatives from the Ministry of Works, the Construction Industry Development Board and the Board of Engineers Malaysia as well as the Association of Consulting Engineers Malaysia. The visit not only brought us first hand information about the management and development of infrastructure projects in Malaysia, but also broadened our knowledge of the economic and social development of the country in the perspective of environmental protection. In view of the Carbon Audit which would be made mandatory later, the Division Committee arranged several seminars outlining how to carry out carbon audit on top of energy audit.



Ir LEE Ping Kuen,
Chairman



Annual Reception with the Guest of Honour, Ms Anissa Wong, Permanent Secretary for the Environment



Eco-tour Walk to Natural Scenery from Hok Tau Reservoir to She Shan Tsuen via Fung Yuen

Apart from arranging technical talks and site visits, the Division also held the Annual Environmental Seminar entitled Sustainable Waste Management Policies and Practices on 24 April 2009, providing a platform for academics, engineers, environmentalists and experts from the Mainland, Hong Kong and overseas to share their knowledge and experience on the latest sustainable waste management policies and treatment technologies.

Last but not least, we organised the 2008 Environmental Paper Award Competition for the purpose of promoting environmentally sound projects in engineering.

I would like to thank all Committee members of Session 2008/2009 who were dedicated to arranging the inspiring and informative seminars, technical visits and symposium, etc. for our members. I would also extend my heartfelt thanks to members for their advice and participation of the activities organised by the Environmental Division.

Fire Division

It is my great honour and pleasure to be the first Chairman of the newly formed Fire Division, witnessing its most joyful birth and steady growth to a membership of approaching 400 as in April 2009. At this very start of our long journey, our initial objectives are as follows:

- Advance the science, technology and practice of fire engineering
- Facilitate the exchange of information and ideas for fire engineering
- Raise the image and standing of fire engineers
- Foster a spirit of friendly collaboration within and outside HKIE



Ir WONG Chi Kwong,
Chairman

Session 2008/2009 was a busy and fruitful year. Our dedicated and resourceful Committee members have successfully organised five technical talks, five technical visits, three symposiums including our first Annual Symposium, Macau Casino Symposium and Fire Asia 2009 which was co-organised with the Institution of Fire Engineers (Hong Kong Branch), and eight Continuing Professional Development workshops. All these professional enhancement activities have been well attended.

In addition, Fire Division has proactively participated in various fellowship activities and community services both within and outside the HKIE, including advisory services to the Fire Services Department, the Independent Commission Against Corruption and the Hong Kong Health Care Federation, etc. Our First Annual Dinner was held on 30 April 2009 with some 300 participants. Construction of our website is also progressing in good shape.

As focuses of our future work, we aim to:

- Enhance the local research development
- Nurture more young fire engineers
- Enhance the collaboration with the Mainland and overseas professionals

- Support the Government in legislative reviews for local fire engineering practices

Finally, I wish to express my deepest gratitude to the hard work of our Committee members and the staunch support of all our members, which have cast a solid foundation for our sustainable growth in the coming years.



Fire Division First Annual Symposium 2009

Gas & Energy Division

The Division had an exciting year marking the countdown to its third decade. Technical seminars for Continuing Professional Development remained a prime focus with topics ranging from risk management, energy efficiency and carbon audit, etc. Following the success of the State Affairs Study Programme organised in 2008 in Beijing and with the concerted effort from other fellow Divisions, the Division assisted in the establishment of the State Affairs Study Alumni Group and sponsored scholarships for students in the Peking University.



Ir Albert C K LEUNG,
Chairman

The Division devoted additional resources to arrange technical visits within and outside Hong Kong for members to meet practising engineers. We visited Macau to get to know the updated development on natural gas as well as the energy management in world class resorts. Another visit to Panyu was arranged to appreciate the manufacturing of steel pipes widely used in the blooming gas industry. A special visit to the shipyard in Shanghai was jointly organised with the Mechanical, Marine, Naval Architecture & Chemical Division and the Young Members Committee to witness the design and construction of the first Liquefied Natural Gas tankers made in China.

Our annual technical delegation brought us to Chongqing to appreciate the blooming manufacturing industry that has sustained the takeoff of the gas business on the Mainland. The Division had a fruitful exchange with the Chongqing University, one of the top universities in China offering undergraduate and postgraduate engineering programmes for gas engineers. We also went to Sichuan and visited a primary school

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under reconstruction after the earthquake in the town of Jiulong, which is only 30km away from the major epicenter. The delegation donated over HK\$10,000 of stationery to the students.

On the international front, the Division maintained very close contact and collaboration with other leading institutions including the Institution of Gas Engineers and Managers in the energy and gas sector.



Visit to a Primary School under Reconstruction in Sichuan



Technical Visit to LNG Shipbuilding Plant



Joint HKIE/IGEM Visit to Chongqing University

Geotechnical Division

In Session 2008/2009, the Geotechnical Division had an eventful year filled with new initiatives in addition to its regular activities of technical meetings and site visits.



Ir Prof Leslie George THAM, Chairman

Immediately after the 512 Sichuan Earthquake, the Division has actively participated in the relief and reconstruction activities in areas affected by the earthquake. We have provided technical assistance to the Sowers Action, a non-lucrative charity organisation, in its school construction projects, some of which being supported by the Government through the Trust Fund in Support of Reconstruction in the Sichuan Earthquake Stricken Areas. Members have travelled to Sichuan and Gansu to help the planning and designing of schools as well as the training of local school principals and teachers in work inspection.

With the support of the Professional Services Development Assistance Scheme, a delegation of our Division paid a visit to Malaysia in October 2008. The visit was arranged with the assistance of the Geotechnical Engineering Technical Division of the Institution of Engineers, Malaysia. The delegates have visited some interesting sites and met with the Malaysian Government officials during the five-day visit. In March 2009, a Malaysian delegation was invited to visit Hong Kong and a one-day workshop was held for sharing their experience with members.



Visit to Earthquake Stricken Area for School Reconstruction



Engineering Training of School Principals and Teachers in Deyang County, Sichuan

On the domestic front, the Division organised a series of forums on geotechnical hot issues in collaboration with the Young Members Committee. Under the new initiative, young members took the lead in the organisation with the support from senior members. Instead of the regular seminar format, these forums were deliberately run in small groups so that each attendee could actively participate in the discussion.

In addition to the golf team, the Division has also formed its soccer team by drawing members from different age groups. The team is competing in the Consultant Cup and Engineers' Charity Cup.



Technical Visit to Malaysia

Information Technology Division

Session 2008/2009 was a challenging year under the impact of the financial tsunami. With members' support, we have nevertheless made progress on what we set out to achieve at the beginning of the Session, including:

- Promoting professionalism
- Fostering a closer relationship with the regional industry players



Ir Dr George L W SZE,
Chairman

Our Annual Conference on "Collaboration with Information Technology (IT) Industry in China: IT Professional Development and Strategy" pinpoints our belief on the way the IT industry should move forward:

- To get out of the financial crisis
- To add value to the production in the region
- To achieve a sustained growth

A total of 23 events were organised in this Session, of which 16 were dedicated to enhancing members' industry knowledge and professionalism, with topics varying from information security at the Beijing Olympics to application of engineering in financial management. Legal awareness was also one of the main themes of our talks.

Furthermore, we organised four career talks for IT students to introduce them to the IT profession.

In recognition of the efforts of the industry, we continued to organise the ICT Awards: Best Public Service Application Awards for the 4th time.

21 entries were received and we were particularly pleased with how innovation has brought transformation, among others, in the health care sector.

To foster a closer relationship with our industry players, we have supported 26 activities organised by other IT organisations and professional bodies. An advanced national study tour to Shenzhen was organised with the help of the Liaison Office of the Central People's Government in the HKSAR to understand more about the mainland practices and our annual conference was co-organised with the Shenzhen Association of Science and Technology for the second time. A "Networking Hour" event was organised and IT organisations were invited to share the industry and political update from Ir Dr Samson Tam, our Representative of IT Functional Constituency of the Legislative Council.

On the community front, apart from providing views on various IT issues including Digital 21 Strategy, as part of the 512 earthquake reconstruction effort of the Institution, we will be providing IT software and hardware training for two schools in the seriously quake-affected Zhongjiang area, in Sichuan Province, upon their completion.

Finally, I would like to take this opportunity to thank for members' support and the devotions, dedications and efforts of our Committee members in accomplishing all our goals throughout my term of Chairmanship, and I trust that the IT Division will continue to prosper with our concerted effort.



Division Committee Members Proposing a Toast to the Participants at the Annual Dinner



Winner of the ICT Awards: Best Public Service Application Awards on Stage

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Manufacturing & Industrial Division

Session 2008/2009 marked a difficult year for the engineering professionals in Hong Kong due to the economic downturn. Notwithstanding this, it was a rewarding year for the Manufacturing & Industrial (MI) Division. The Division organised and supported a number of activities for its members as well as the general public. The number of activities exceeded that of the last Session and they were well attended with over 100 participants in some events.

The Young Engineer Project programme, the 8th year since its launch, was organised with the help from Committee members. Technical talks, industry visits and discussion with South China University of Technology were conducted under the programme for undergraduates of the MI Discipline.

Collaborating with the Hong Kong Aircraft Engineering Company Ltd, the Division continued to support the Aircraft Engineer Development Scheme in the past Session. There were overwhelming interest and participation from students in local universities.

The Division tied in even closer collaboration with other professional bodies and tertiary institutions like the Institution of Engineering and Technology, Hong Kong, Hong Kong Society for Quality, the Institute of Industrial Engineers (Hong Kong) Ltd, Hong Kong Quality Management Association, City University of Hong Kong, the University of Hong Kong, the Hong Kong University of Science and Technology, the Hong Kong Polytechnic University and professional bodies of Six Sigma, etc in many events. We participated as a supporting organisation in a symposium hosted by the Control, Automation & Instrumentation Division and the Safety Specialist Committee. In addition, the Division supported a number of professional activities funded by the Professional Services Development Assistance Scheme of the Government. We also organised four career talks to local tertiary institutions during the year.

The success of the Division in the last Session lies in our new attempt to develop groupings according to our Committee members' technical interest (interest groups) and their co-ordinating functions within and outside the Division (functional groups). These new groupings not only help co-ordinate our professional activities more effectively and liaise with various parties more efficiently, but also draw in critical mass in developing common technical interests.



Ir Dr Winco K C YUNG,
Chairman



Hong Kong Six Sigma Forum 2009

Materials Division

I am happy to report that Materials Division achieved another successful year of activities, including a number of well attended key seminars and technical visits, which not only enriched our knowledge but would certainly give us pleasurable memories.

During the year, the Division kept on pushing forward our request for qualified materials engineers to be included for registration as Registered Inspectors in the Mandatory Building Inspectors Scheme. We will continue to pursue the matter.

The Division has been actively promoting the Discipline by sending letters to trade associations, engineering organisations and testing laboratories, etc. to attract potential candidates. We were also working with the Discipline to help potential candidates meet the academic and professional requirements.

With support from the Hong Kong Productivity Council, we have completed a project under the Professional Services Development Assistance Scheme and a new proposal was already submitted to the Government.

We also took an active role in the School Ambassadors Programme. Our members visited secondary schools and vocational institutes regularly to explain the roles and contributions of materials engineers as well as to promote the Discipline.

The Division continued its sponsorship for the Hong Kong – Macau Inter-School Straw Competition which had achieved a record number of participants and had drawn wide attention from the society. The Division also continued to sponsor and co-organised the HKIE Best Paper on Materials with City University of Hong Kong for recognition of students with outstanding achievements on materials study and research.

My thanks go to our Committee members, sponsors, participants and helpers of our events this year. I sincerely wish all members another successful year to come.



Ir Prof Lawrence C M WU,
Chairman



Site Visit to a Fire Door Factory

Mechanical, Marine, Naval Architecture & Chemical Division

The Mechanical, Marine, Naval Architecture & Chemical Division (MC) Division has entered into a new era on its 30th anniversary in Session 2008/2009. With the unfailing support of our Committee members and members of sub-groups within the Division including the Students and Young Engineers' Affairs Group and the Automotive Engineering Specialist Group, the three major tasks below were satisfactorily accomplished.



Ir Barry C H LEE,
Chairman

- Unifying the strength of the Division by bringing professionals in mechanical, marine & naval architecture and chemical disciplines closely together to enhance its identity
- Exploring the possibility of setting up special interest groups in other associated engineering professions within the Division
- Planning and charting activities to celebrate the 30th anniversary of the Division

The highlight of this year was no doubt our record-breaking effort in organising some 120 technical visits, seminars and social gathering events. Most of our activities were well executed with overwhelming responses by members. These activities covered a wide spectrum of areas and interests ranging from seminars in public speaking, project management, risk management, motor vehicle technology, to technical visits to local facilities like aircraft maintenance plant, rolling stock maintenance depot, power plant, water & sewage treatment plant and other marine/chemical facilities, etc.



The 30th Annual Dinner of MC Division



The MC Division Conference on Advanced Technology in Transportation for a Better Environment



One-Day Seminar on Technologies for Meeting the Latest EURO Emission Standards

We successfully organised three certificate courses in this Session at a high participation rate by our members. To promote the study of mechanical engineering in Hong Kong, the Young Inventor Competition was organised on 28 February 2009 at Repulse Bay. The competition attracted 16 teams from 12 secondary schools to participate and received wide media coverage.

Apart from the technical functions mentioned above, we also organised the Dragon Boat Competition and Football Competition as part of the Division's 30th anniversary celebration programme. The MC Marathon team was formed to promote the importance of physical training and participation in community activities to our members.

Another flagship event in this Session was the conference entitled "Advanced Technology in Transportation for a Better Environment" held at the Hong Kong Polytechnic University on 24 April 2009, which attracted more than 380 participants and received overwhelming sponsorship from major stakeholders in the transportation industry.

Nuclear Division

Session 2008/2009 was a busy and fruitful year for the Nuclear Division. A technical visit to Ngong Ping 360 was held on 4 October 2008. The popular technical visit to the Guangdong and Ling Ao Nuclear Power Stations was held on 15 November 2008, followed by a technical visit to Lok Ma Chau Wetland on 13 December 2008. Furthermore, a three-day technical study tour to nuclear power plants in Taiwan was held from 5 to 7 June 2009. In addition to the above technical visits, we organised six technical seminars in this Session with distinguished speakers from Hong Kong, the Mainland and overseas. In particular, Mr Liao Weiming, Assistant to the General Manager of Taishan Nuclear Power Company, was invited to present a technical talk on "the European Pressurised Water Reactor and the Taishan Nuclear Power Station Project" which was held immediately after our 22nd Annual General Meeting on 30 April 2009. All these seminars received overwhelming support from members.



Ir Ronald K W CHENG,
Chairman

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In April 2009, we successfully launched our new website at <http://ne.hkie.org.hk> and new email address: nuclear@ne.hkie.org.hk. The website was completely revamped with brand-new features and outlook to make it more user-friendly and informative.

We are most grateful to the efforts given by our Committee members and the support received from our counterparts in the HKIE and other local institutions in achieving our goals in this Session. With the promising development of nuclear power in the Pearl River Delta Area, we would strive to organise more activities to meet the increasing demand of our members. In addition, we would reinforce the links with our counterparts and friends on the Mainland and overseas so as to keep up with the latest development in the field and the emerging new technology.



Ir Ronald Cheng presented a souvenir to Mr Liao Weiming (R) at the 22nd AGM Seminar on 30 April 2009



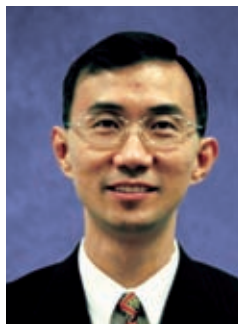
Technical Visit to Guangdong Nuclear Power Station on 15 November 2008

Structural Division

I am pleased to report that Structural Division has attained a membership of 5,512 including 2,095 Fellows and Members of the Structural Discipline.

We continued organising various activities including technical meetings, site visits, Structural Excellence Award, Annual Dinner, Annual General Meeting, Annual Visit and Annual Seminar.

The Annual Dinner on 10 October 2008 at the Holiday Inn Golden Miles attracted over 400 members and guests.



Ir CHAN Siu Tack,
Chairman

The Structural Excellence Award 2009 was organised for promoting excellence in structural engineering and achievement of structural engineers. After presentations and site visits, winners were selected on 24 March 2009 by the Judging Panel with one Grand Award and one Commendation Award given each for both the Hong Kong Projects and the Mainland/Overseas Projects.

The Annual Visit to Ningbo from 8 to 11 May 2009 has made fruitful interaction with the Mainland counterparts. In another occasion, the Annual Seminar on 8 June 2009 entitled "State-of-the-Art Performance Based Design Methods – Global Perspective and Overview" was attended by renowned local and overseas speakers.

Besides organising seminars on earthquake related topics in response to the Sichuan Earthquake, the Division joined the HKIE Task Force on 512 Earthquake Relief, commenting on the Feasibility Study Reports and attending Expert Meeting in Chengdu for the Wolong reconstruction projects. The Division also assisted the Sowers Action on school reconstruction projects in Sichuan, with volunteers recruited for on-site assessments, design review and supervision monitoring.

For the Reciprocal Recognition Agreement, the 4th reciprocal recognition assessment was held in Guangzhou from 18 to 22 September 2008. 62 out of the 70 Hong Kong candidates obtained the Class I Registered Structural Engineer qualification of China.

I wish to express my heartfelt thanks to all members and Committee members who have devoted their valuable time and energy in organising activities of the Division.



Annual Dinner of Structural Division

OTHER COMMITTEES

Associate Members Committee

Session 2008/2009 marked another successful year for the Associate Members Committee (AMC). In collaboration with other Divisions, seminars, technical seminars and technical visits to keep members updated on the development of the profession were organised. The new composition of AMC (with the Immediate Past President serving as Advisor) was approved by the Council on 15 January 2009. Our new website <http://amc.hkie.org.hk/> has been set up under the website standardisation project of the Institution.



Mr Ray Y Y NG,
Chairman

To sum up our work in Session 2008/2009, I am pleased to report that with the team efforts of the Committee and our sustained culture, we have achieved our targets and organised some 40 activities. Particularly, very good responses were received for our activities such as Welding Inspection and Non-destructive Test Practices, Introduction on International Register of Engineering Technologists for Engineering Technologists Mobility Forum (ETMF), 中國國家機關機構改革內容講座, hot issues like Foxy is the Good, the Bad and the Ugly and Who is Kira. In addition, thanks to the support from the Liaison Office of the Central People's Government in the HKSAR, we have organised an Annual Visit to the Mainland in January 2009 and visited Yang Jiang Nuclear Power Station and Kaiping Diaolou, one of the United Nations Educational, Scientific and Cultural Organisation's World Heritages.

The ETMF International Register of Engineering Technologists in Hong Kong, China has been established and more than 30 Associate Members have been qualified as ETMF Engineering Technologists. With this achievement, the international recognition of AMHKIE was well enhanced.

For Mandatory Registration Scheme for Site Supervisors, the President has written to the Construction Industry Council expressing our views and recommendations. As the ten major infrastructure projects are coming in the near future, we think it is now high time to consider introducing a mandatory registration scheme for site supervisors. Our construction industry needs a step further to enhance the quality of site supervisors under a regulated system of registration.

In addition, I have great confidence that AMC would persistently align ourselves with the needs of our members, in order to promulgate the continuous development and finally bring benefit to us. Last but not least, I would like to express my gratitude to other Divisions, Committees, the Council, our Advisor and all fellow members of the HKIE, the speakers and participants of our seminars.



Technical Visit to Kaiping Diaolou and Villages

Authorised Person/Registered Structural Engineer/Registered Geotechnical Engineer Committee

During Session 2008/2009, the Committee contributed to various aspects:

- The Committee discussed the range of consultancy fee in the construction industry and a working group was formed to study the matter in further detail.
- Two informal meetings were conducted with the Geotechnical Engineering Office of the Civil Engineering and Development Department during the period. The meetings were considered constructive and fruitful. Similar meetings with the Buildings Department are being arranged.
- The Committee commented on a number of draft papers of the Authorised Persons and Registered Structural Engineers Committee of the Buildings Department and Building Sub-Committee of the Land and Development Advisory Committee during the period.
- A meeting with officials from the Buildings Department was held to discuss the industry's views on various design codes, in particular the Foundation Code.
- The Committee supported a conference in Beijing entitled 「第八屆中日建築結構技術交流會」 between 18 and 20 October 2008.
- The Committee nominated a representative via the Institution for the Task Group under the Committee on Construction Site Safety of the Construction Industry Council. The Task Group would study safety measures in using wall mount cast-in anchor to buildings.



Ir Prof LAW Kwok Sang,
Chairman

Safety Specialist Committee

It is indeed a great pleasure to be the Chairman of Safety Specialist Committee (SSC) of the Institution. During the past years, I was working closely with Committee members for many memorable events, such as the 9th International Probabilistic Safety Assessment & Management Conference, Guangxi Delegation, Control, Automation & Instrumentation (CA) Division/SSC Annual Symposium, Annual Dinner, and many more in Hong Kong, Macau and Mainland China. Most of the events were well supported by other prominent official/professional/academic/learned society institutions such as the Liaison Office of the Central



Ir Dr Louis F S LOCK,
Chairman

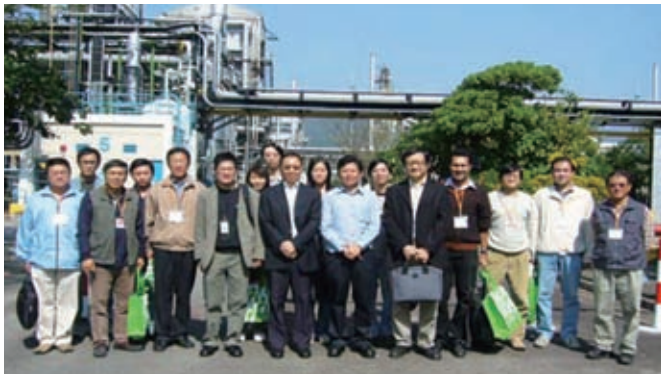
People's Government in the HKSAR, Guangxi Association for Science and Technology, Electrical Engineering Department of the Hong Kong Polytechnic University, the Hong Kong Institute of Vocational Education (IVE) (Chai Wan), IVE (Morrison Hill), IVE (Haking Wong), Hong Kong College of Technology, Centre for the Urban and Built Environment, Guangxi Polytechnic, Association of Engineering Professionals in Society

Reports from Divisions and Other Committees 2008/2009

Ltd, Hong Kong Institute of Utility Specialists, Utility Training Institute, the Institute of Measurement and Control (Hong Kong Section), Hong Kong Association of Risk Management and Safety, Institution of Occupational Safety and Health, Guangdong Automation Association, Shenzhen Instrument & Control Society, Shenzhen Automation Association and the Macau Institute of Engineers. Without doubt, the support from the President, Divisions like CA Division, Environmental Division, Gas & Energy Division, Mechanical, Marine, Naval Architecture & Chemical Division, and Committees like Young Members Committee, Associate Members Committee were definitely valuable.

Exceeding the requirements of our stakeholders is one of our major objectives. As mentioned, we launched successfully a series of meaningful events to meet the needs of our members; however, there is always further room for improvement in furnishing our services to members and the engineering profession at large.

Last but not least, I would like to acknowledge that all the achievements could not be duly honoured without the unfailing support from the Committee members and helpers.



Technical Visit to the Town Gas Production Plant

Young Members Committee

In this Session, the Young Members Committee (YMC) continued organising activities in 12 areas, including student member promotion, graduate member promotion, technical seminar, technical visit, non-technical programme, community services, sports & recreation, public relations, publicity, webmaster and social, culture & art. Highlights are as follows:

YMC organised/co-organised with other organisations over 100 events, of which more than 30 were technical seminars and visits. Moreover, YMC broadened members' knowledge by inviting different professionals to present at quality technical events and took the lead to co-organise an one-day seminar on Contract Management with other young professional groups in the construction industry including engineers, surveyors, lawyers and arbitrators.



Ir Crystal W C HO,
Chairman

International exposure of members were broadened through organising technical events and receiving young engineers from the Mainland and overseas. With funding from the Professional Services Development Assistance Scheme, YMC co-organised the Asia-Pacific Seminar on Geological Conservation and Sustainable Development 2008 with the Geotechnical Division, the Chinese University of Hong Kong and the Association for Geoconservation, Hong Kong. Moreover, YMC organised a delegation to Dubai and delegates were sent to participate in the World Engineers' Convention 2008 in Brazil and Conference of the Association of Southeast Asian Nations Federation of Engineering Organisation in Thailand.

With the support from the Council and the Secretariat, YMC took an active role in establishing the Student Chapters at the Chinese University of Hong Kong, City University of Hong Kong and the Hong Kong Institute of Vocational Education (Tsing Yi) and giving them guidance. YMC also held membership and career talks as well as visits for engineering students to provide them with an opportunity of experiential learning.

As an on-going work, YMC organised community services to help people in need with our professional knowledge. We also took part in the working group of Education Development Programme in China organised by the Sowers Action and participated actively in the Sichuan reconstruction work.



Participation of YMC in the HKIE 34th Annual Dinner



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