

Report from Divisions and Other Committees 2017/2018



Ir Prof Mark HAYMAN
Chairman of Aircraft
Division



Ir Raymond KY POON
Chairman of Biomedical
Division



Ir Prof Michael C HYAM
Chairman of Building
Division



Ir Calvin P W FU
Chairman of Building
Services Division



Ir Ian S P CHUNG
Chairman of Civil Division



Ir Morris SW CHEUNG
Chairman of Control,
Automation & Instrumentation
Division



Ir Dr Edward W C LO
Chairman of Electrical Division



Ir Wilson W S KWOK
Chairman of Electronics Division



Ir Kelvin S K TANG
Chairman of Environmental
Division



Ir Wilson S K TSANG
Chairman of Fire Division



Ir Peter C K CHAK
Chairman of Gas & Energy
Division

June 2017

Building Services Division:

The Mainland-Hong Kong Joint Symposium 2017 was organised on 29 - 30 June 2017 under the theme of "Smart City—The Way to a Better Tomorrow" and attracted over 200 participants. The Symposium brought together speakers from Hong Kong and mainland China to strengthen understanding in all aspects of advances in building design and building services engineering, to support the development of Smart Cities in Hong Kong and mainland China.

July 2017

Biomedical Division:

The 8th WACBE World Congress on Bioengineering, supported by the

Biomedical Division, was held on 30 July 2017. The congress focused on ways in which biomedical engineering approaches are driving innovative technologies and providing solutions that impact clinical medical practice. The congress attracted around 400 delegates from across the world including academic researchers, industry practitioners, medical officers, business leaders and students.

August 2017

Associate Members Committee:

Around 50 participants joined a technical visit to German Pool. They were welcomed by Dr Edward Chan, Founder, German Pool who introduced the company's history, its business diversification and the latest technological development of water heaters to enhance efficiency and safety. The participants also visited the production lines of electric heaters and kitchen cabinets.

September 2017

Building Services Division, Environmental Division and Mechanical, Marine, Naval Architecture & Chemical Division:

The three Divisions collaborated to deliver inter-divisional certificate courses. The courses, comprising three sections and a total of 12 classes, were held in September and November 2017 and January 2018. More than 90 participants joined each course, which covered topics such as fundamental knowledge of heating, ventilation and air conditioning (HVAC) systems, Hong Kong Environmental Ordinances and sustainable design for buildings. The courses gave our members a great opportunity to gain knowledge in different disciplines.

Fire Division:

A technical visit was arranged to Hong Kong Disneyland Resort's Disney Explorers Lodge. Ir Gerald Lee, Technical Director, Mott MacDonald gave a presentation on the design



Ir Sammy P Y CHEUNG
Chairman of Geotechnical Division



Ir Dr CHAN Chun Leung
Chairman of Information Technology Division



Ir Dr WONG Yiu Man
Chairman of Logistics & Transportation Division



Ir Dr Daniel C W NG
Chairman of Manufacturing & Industrial Division



Ir Prof Joseph Y W MAK
Chairman of Materials Division



Ir LEE Chee Kwan
Chairman of Mechanical, Marine, Naval Architecture & Chemical Division



Ir Dr Vincent P FONG
Chairman of Nuclear Division



Ir Edward S C CHAN
Chairman of Structural Division



Mr Nelson K I TSANG
Chairman of Associate Members Committee



Ir Kevin TANG
Chairman of Authorised Person/ Registered Structural Engineer/ Registered Geotechnical Engineer Committee



Ir Dr LIU Yuk Shing
Chairman of Safety Specialist Committee



Ir Ambrose H T CHEN
Chairman of Young Members Committee

of fire service installations for the Lodge. He elaborated on the constraints encountered in the design of sprinkler system for elongated guest room with window bay and circle type end cap guest room, and explained the hydraulic calculations of the sprinkler system designs for different fire scenarios. A total of 20 members joined the visit.

Logistics & Transportation Division, Manufacturing & Industrial Division and Control, Automation & Instrumentation Division:

The three Divisions jointly organised the Hong Kong Logistics Conference on 13 September 2017 at the Hong Kong Convention and Exhibition Centre. The theme of the Conference was "Technology for Smart Logistics: towards 2030+". Around 320 participants attended the Conference including speakers, members and guests.

Young Members Committee:

Young engineers have been recruited through the Committee as mentors of the

Growing Partners Project of the Boys' & Girls' Club Association of Hong Kong since 2010. This year, 30 members participated in Growing Partners III for the period between September 2017 and June 2018. Under this Project, each mentor was paired up with at least one mentee to assist in setting up the mentees' personal development plans by jointly participating in various workshops and events. The project also helped further develop mentees' interest in the engineering profession.

October 2017

Biomedical Division:

The Division hosted a booth at the InnoCarnival 2017 exhibition held at the Hong Kong Science Park from 21 to 29 October 2017 and delivered three public seminars to demonstrate prevailing and innovative biomedical technologies to the public.

Civil Division:

The Civil Division's annual dinner was held on 27 October 2017. Dr David Chung, Under

Secretary for Innovation and Technology, served as the guest of honour. Dr Chung addressed the guests attending the dinner on the development of innovation in Hong Kong and aroused considerable interest.

Electrical Division:

More than 300 participants attended the Division's annual symposium under the theme of "Engineering a Climate-ready City". The opening address was given by Vice President Ir Ringo Yu. Ir Paul Poon, Vice Chancellor of CLP Power Academy and Ir C S Ho, General Manager of Hong Kong BEAM Society Ltd delivered the keynote speech and closing address respectively.

Manufacturing & Industrial Division:

A total of 50 MI tertiary students participated in a series of local visits and technical seminars organised under the Young Engineers Programme from October 2017 to April 2018. The events aimed to help students better understand the path to becoming a professional engineer and fostering ideas relevant to their careers and professional development.

Structural Division:

The annual dinner cum keynote address of the Structural Division attracted a full house of more than 450 Members and guests. Ir Chan Fan, Secretary for Transport and Housing, shared his insight on transportation development in Hong Kong as the guest of honour of the event.

November 2017

Associate Members Committee:

A 15-member delegation to Singapore was organised on 25-29 November 2017. The delegation visited two higher education institutions—Ngee Ann Polytechnic and the National University of Singapore—to learn more about the latest research in water/environmental treatment, additive manufacturing and solar-energy technologies. The delegation also met the Chief Executive and members of the senior management team of the Institution of Engineers Singapore.

Building Services Division:

The Hong Kong Joint Symposium 2017 - Smart Journey towards Green Infinity was held on 22 November 2017. The opening address was delivered by Ir Alfred Sit, Director, Electrical and Mechanical Services of the HKSAR Government. Around 200 delegates participated in the symposium.

Electronics Division:

The Electronics Division organised the Hong Kong Electronics Project Competition (HKEPC) Winners Conference with the theme of "IoT Realisation in a Smart City". The winning teams in the industry category from both HKEPC 2016 and HKEPC 2017 presented the latest developments in their projects with conference participants. The conference drew an attendance of 70

participants. A networking session was also scheduled after the conference to allow the participants to share views with winners and industry professionals.

Environmental Division:

The annual reception of the Environmental Division was held on 30 November 2017 with an attendance of 180 participants. Mr K S Wong, Secretary for the Environment, was the guest of honour of this flagship event of the Division. During the reception, members not only mingled with each other in a leisurely atmosphere but also had a chance to learn more about the Division's plan for the year ahead. Moreover, paper awards and Job Shadowing Program appreciation certificates were presented to members and companies at the reception. An ensemble of young engineers also played some wonderful music perfectly rounding off an enjoyable evening for all participants.

Fire Division:

This year marked the 10th anniversary of the Fire Division. To celebrate this significant milestone, more than 450 prominent guests and fire-related professionals attended the Division's annual dinner held on 14 November 2017. Ir Dr The Hon W K Lo was the guest of honour, and Ir Wilson Tsang, Chairman of the Division shared his mission and vision with the guests at the dinner. In the same month, a total of 11 members of the Division embarked on a four-day technical visit in Tokyo. The delegation visited the fire training school under the local fire authority, the Fire Equipment and Safety Center of Japan and a firefighting equipment factory. The visit enriched participants' knowledge of new developments in fire engineering and insight into state-of-the-art firefighting equipment currently used in Japan.

Gas & Energy Division:

A group of 20 participants joined a study tour to Guangdong on 10-11 November 2017 and visited two industrial sites in Foshan and Guangzhou respectively. The first site was Foshan Gaoming Municipal Waste Sanitary Landfill which is the first cross-district large-scale municipal solid waste landfill in Guangdong. The other site visited was the Guangzhou Pumped Storage Power Station, which was the world's largest pumped storage system (2400MW) at the time it was completed in 2000.

Young Members Committee:

Six young members represented the Committee to attend the 35th Conference of the Association of Southeast Asian Nations Federation of Engineering Organisations (CAFEO 35) which was held in conjunction with the 24th Meeting of Young Engineers of ASEAN Federation of Engineering Organisations on 16-18 November 2017 in Bangkok, Thailand. The theme of CAFEO 35 was "Towards a Sufficiency Economy: Pathways to Sustainable Development". The activity enabled the young members to learn more about the engineering developments, network with fellow engineers, and promote the HKIE and Hong Kong.

December 2017

Aircraft Division:

The Division arranged a technical visit to the Hong Kong Air Traffic Management Centre on 9 December 2017. A total of 18 Chairmen of HKIE Divisions and Committees joined the visit. They were received by Captain Victor Liu, Deputy Director General of Civil Aviation.

Geotechnical Division:

The Division jointly organised the Slope Safety Summit 2017 with the Geotechnical Engineering Office of the Civil Engineering and Development Department on 11 December 2017, in commemoration of the 40th Anniversary of the Hong Kong Slope Safety System. Mrs Carrie Lam, The Chief Executive of the HKSAR, was the guest of honour for the opening ceremony. The Summit was well received by 260 participants. On 12 December 2017, the Tripartite Seminar jointly organised by the Geotechnical Division, Institution of Engineers Malaysia and Chinese Institute of Engineers was held in Hong Kong. The theme of the seminar was "Geotechnical Engineering Solutions for Natural Disaster Mitigation". A total of 90 participants attended the seminar, including more than 15 overseas participants.

Materials Division:

A group of 20 participants joined a technical visit to a precast concrete units yard in Dongguang to understand the manufacturing and work process of the product lines of pipelines and ancillary products, drainage systems and precast concrete units.

January 2018

Mechanical, Marine, Naval Architecture & Chemical Division:

The Division offered a short course in "Technical Aspects of Maintaining Cars Part I" from January to February 2018. The course was presented by the Automotive Engineering Specialist Group of the Division, comprising five evening sessions which covered fundamental practical aspects of maintaining and repairing passenger cars. The participants were able to gain hands-on experience of changing a tyre at the roadside, brake disc/pad replacement, steering rod and ball joint replacement, belt adjustment, jump-starting engines, wheel alignment and general chassis inspection. A total of 15 participants enrolled in the course.

Safety Specialist Committee:

The HKIE-SSC Students Safety Projects Competition cum Annual Dinner was held on 12 January 2018. A total of 20 student safety design projects were submitted for the competition this year. Awards were presented for the winning projects during the annual dinner.

February 2018

Control, Automation & Instrumentation Division:

To commemorate the 30th anniversary of the Division, the annual symposium on "The Automation Era (TheA)" was held on 9 February 2018, attracting a full house of more than 250 industrial and academic participants to present and exchange views on the advancement and application of automation in industries.

Gas & Energy Division:

Around 80 participants attended a technical talk on "Bioethanol: Is it a Suitable Biofuel for Reducing the Carbon Footprint of Hong Kong" presented by Ir Prof Dennis Leung, Department of Mechanical Engineering, The University of Hong Kong. During the seminar, the diverse applications and significant benefits of using biofuels compared to fossil fuels were highlighted, and the environmental and economic benefits of introducing bioethanol through Life Cycle Analysis (LCA) were also addressed.

Nuclear Division:

Around 40 participants attended the Seminar on "The Use of Irradiating Apparatus and Radioactive Substances in Medicine" presented by Dr Dennis Ngai and Dr Darrell Li. The seminar covered the science and the engineering applications of nuclear radiation, broadening participants' insight beyond its well-documented use in the nuclear power industry.

March 2018

Associate Members Committee:

A technical visit to the photovoltaic (PV) factory of Topray Solar Co Ltd was arranged for 40 participants in March 2018. On the trip, they explored a PV panel production factory producing a variety of solar chargers, solar home power kits, solar heat collectors and other solar projects. The group also visited Qianhai Xinlikang Building where 440 crystalline photovoltaic panels have been installed on the roof to collect solar energy, generating 116 kWh of electricity.

Building Division:

The 17th Building Division annual seminar entitled "Advanced Technology and Design for Buildability in Construction" was held on 13 March 2018. The guest of honour was Ir C K Hon, the then Permanent Secretary for Development (Works) of the HKSAR Government. The opening address and the closing remarks were given by Mr K K Chan, Chairman of the Construction Industry Council, and President Ir Thomas Chan respectively. Seven prominent speakers were also invited to deliver their presentations on topics related to buildability in construction works. The seminar was well received by 320 participants.

Building Services Division:

The Experience Sharing with the Young Building Services Engineers was organised in March 2018. Representatives of the Division from different sectors shared on topics including engineering qualifications, career opportunities and innovation to an audience of around 30 participants.

Structural Division:

The Division's annual seminar 2018, with the theme of "Urban Revitalization Moving Ahead: Strengthening and Retrofitting

of Structures", attracted more than 300 participants. Dr T C Cheung, Director of Buildings of the HKSAR Government, delivered an opening address as the guest of honour at this major event of the Division. Leading academics, professionals and practitioners, both local and overseas, shared their insights, experience and innovative ideas in both research and application on the strengthening and retrofitting of existing structures. Speakers also provided inspiring examples of the revitalisation of key buildings. In the same month, the ST Division also organised the Structural Excellence Awards to promote excellence in structural engineering and recognise the achievements of outstanding structural engineers. This year, eight project submissions and four research paper submissions were received. All submissions were of excellent quality, representing a very high standard of work by our engineers and researchers in Hong Kong. After much deliberation, the judging panel selected a total of three Grand Awards and nine Commendation Merit Awards.

Young Members Committee:

A total of 16 young members of the Young Member Committee joined the overseas delegation to New York under the theme of "The Future of Global Cities". The delegation visited New York from 30 March to 8 April 2018 to investigate the meaning of global cities and examine possible solutions on how to futureproof our city.

April 2018

Building Division:

A delegation comprising 30 members visited Hanoi, Vietnam from 13 to 17 April 2018. The visit provided an opportunity for Hong Kong engineers to meet with the Vietnam Engineering Consultant Association (VECAS) and other engineering organisations to exchange design and statutory practices of building construction in Hong Kong and Vietnam. The delegation also had the chance to visit a construction site for a residential building project utilising post-tensioning slab construction methods.

Electronics Division:

The Electronics Division organised the Asian Lighting Forum and the Hong Kong Electronics Symposium (HKES2018) in April 2018, which were attended by more than 100 and 250 participants respectively. The Asian Lighting forum is an annual event where industry experts are invited to share the latest intelligence in this field. This year's forum focused on smart lighting and consisted of two sessions, namely "Smart Lighting, Connected Lighting & IoT: Daily Life Applications" and "Lighting Outlook 2018". The theme of HKES2018 was "Smart Cities - from Cliché to Digital Transformation", covering a wide range of topics such as V2X, Big Data, Smart Airports, Electrical Vehicle Infrastructure, LPWAN, Smart Energy and IoT.

Environmental Division:

The Environmental Division's annual forum was organised under the theme of "Developing Intelligent Resource Preservation Strategies for Hong Kong: Challenges for Innovation and Sustainability". The Forum comprised a keynote session and three other sessions on "Legislation and Policy Reforms as Potential Drivers for Resource Preservation", "Driving Green Alternatives for Sustainable Resource Management" and "Embracing Emerging Sustainable Approaches for Managing Specific Resources". The forum provided an excellent platform for the prominent speakers and members of the audience to discuss scientific, technical and socioeconomic issues related to developing an intelligent resource preservation strategy for Hong Kong and addressing environmental concerns. Around 300 participants attended the forum including some 60 graduate members.

Logistics & Transportation Division:

The Division's Annual Symposium on Logistics and Transportation Development in the Greater Bay Area was held on 28 April 2018. The guest of honour, Dr Raymond So, Under-Secretary for Transport and Housing delivered a keynote speech at the event. Six renowned speakers from Hong Kong, Guangdong and Macau, were also invited to deliver speeches on various topics at the symposium which was attended by 120 participants.

Materials Division:

A technical visit to Shenzhen was arranged for 20 participants on 7 April 2018 to witness the production and testing of fire doors and related products.

Mechanical, Marine, Naval Architecture & Chemical Division:

The Lady Engineers Team was set up under the Division to encourage more women to join engineering. On 28 April 2018, the Team and YWCA co-organised a STEM workshop, "Engineer 101" for 40 secondary students. The workshop was followed by a visit to the Ngong Ping 360 Maintenance Workshop to introduce mechanical engineering to the students. In the same month, the Division held its annual conference "INNOVATURE 2018" under the theme of "Innovation for Future". The conference aimed at providing a platform for members and counterparts in the industry to exchange innovative ideas. This year, the latest technologies in four aspects were showcased, namely Advanced Vessel, Smart Material, Green Transport and Innovations.

Nuclear Division:

A technical seminar on "Getting to know the Neutrinos" was organised by the Nuclear Division. The seminar was presented to more than 30 participants by Prof Luk Kam Biu of the University of California, Berkeley who specialises in particle physics and cosmology.

May 2018

Aircraft Division:

The Hong Kong Airworthiness Course was offered by the Aircraft Division on 14-25 May 2018. This two-week course provided fundamental knowledge of the European Aviation Safety Agency and Hong Kong Civil Aviation Department requirements for airworthiness in aircraft design, production, operation and maintenance. The first week of the course was based on the foundation module of Cranfield University's MSc Airworthiness and was attended by 30 participants. In the same month, Captain Brett Rundle of Gulfstream Aerospace Corporation presented "The Next Generation Flight Deck" designed for the brand new Gulfstream aircrafts G500 and G600 via a technical lecture and a field trip on the G500 aircraft during its World Tour in Hong Kong.

Around 60 participants joined the technical visit and the field trip.

Control, Automation & Instrumentation Division:

The Division's 30th anniversary annual dinner was held on 9 May 2018.

Electrical Division:

The Electrical Division organised two competitions in May 2018 for secondary school students. The Electrical Model Car Design Competition attracted the participation of more than 95 junior secondary school students and some 30 teachers from 33 secondary schools. The Energy Innovation for Smart City Competition drew more than 400 participants from 101 teams in total.

Information Technology Division:

The Division held its annual dinner on 4 May 2018, which has become an annual calendar highlight of the IT industry. More than 200 members and guests, including government officials, industry leaders, researchers and practitioners, took part in the event which provided an excellent platform for networking.

Nuclear Division:

More than 60 participants attended a seminar organised by the Nuclear Division. The speaker, Prof Bo Zhao, presented on nuclear power technology development in China and related opportunities in the Belt and Road Initiative. The seminar covered important past events, current developments, emerging technologies and overseas markets for China in addition to highlighting nuclear opportunities for engineers beyond Hong Kong.

June 2018

Geotechnical Division:

A technical visit to Switzerland was organised from 18 to 22 June 2018, with the aim of enriching members' knowledge of underground space developments and tunnelling technologies being deployed in Switzerland. The 26-member delegation visited various facilities, including Brunig Park, Hagerbach Testing Facility, Schollberg underground quarry and the Geoburgg rockfall test site.

Manufacturing & Industrial Division:

The Division launched the Student Project Competition to encourage students studying MI Engineering to demonstrate their intellectual and practical competence in the application of MI technologies in real-life cases. Around 50 students participated in the competition.

Safety Specialist Committee:

The HKIE SSC Safety Symposium was held on 22 June 2018 under the theme of "Safety Engineering - High-Risk Activities". Around 160 safety experts and practitioners, as well as guests and speakers, attended the symposium. The meaningful and fruitful symposium provided networking opportunities for safety experts and practitioners but was also a platform for participants and the guest speakers to exchange ideas on occupational safety and health-related issues.

Officiating guests at the Slope Safety Summit (GE)



Prof K B LUK (R) receiving a souvenir from Ir Ryan LAM, Deputy Chairman of the NE Division after the Seminar on the Use of Irradiating Apparatus and Radioactive Substances in Medicine (NE)

Ir W H SIT (R), Director of EMSD receiving the Certificate of Appreciation from Ir Dr Y S LIU, Chairman of SSC at the Annual Symposium 2018 (SSC)



Female engineer sharing how she became an engineer during the Engineer 101 Workshop (MC)



The Mainland-Hong Kong Joint Symposium 2017 (BS)

Presentation of certificate to the Champion of the Student Project Competition (MI)



Group photo taken at the World Congress on Bioengineering 2017 (BM)



Technical visit to precast concrete pipe factory in Dongguan (MT)

Photo of the Hong Kong Airworthiness Course class (AC)



Group photo of Ir Dr Y M WONG (L), Chairman of LT Division with speakers of the Hong Kong Logistics Conference – Prof L N CAI, Dr Masaki RYU, Ir Kelvin KO and Mr Simon WONG (L2 to R) (LT)



Delegation of the young engineers attending the ASEAN Federation of Engineering Organizations (YEAFO) supported each other for the country performances (YMC)

Group photo of Prof Bo ZHAO (R4, front row) with guests and Committee members after the Seminar on China Nuclear Power Technology Development and Belt and Road Initiatives Opportunities (NE)



Visit to the Schollberg Underground Quarry (GE)

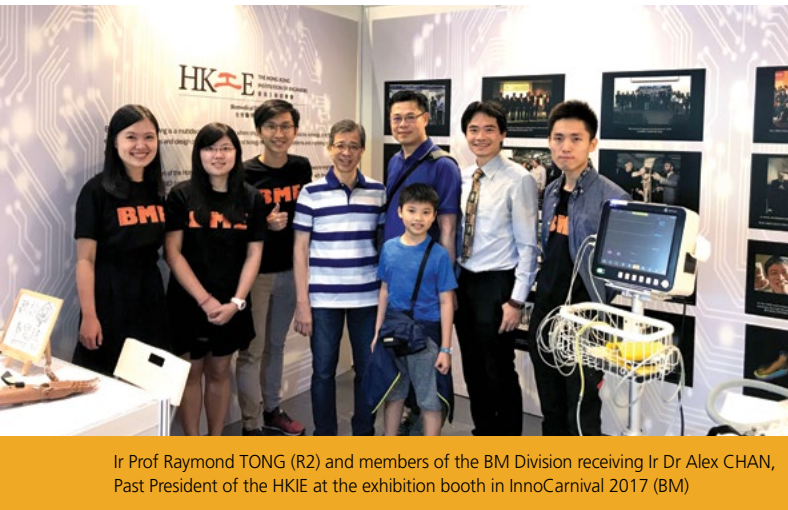


Ir Prof Michael Yam (R5) presenting souvenir to Mrs Nguyen Thi Duyen, President of VECAS (L5) during the visit in Hanoi, Vietnam (BD)

Group photo taken during the technical visit to the fire door factory in Shenzhen (MT)



Technical Lecture on "The Next Generation Flight Deck - Gulfstream G500" (AC)



Ir Prof Raymond TONG (R2) and members of the BM Division receiving Ir Dr Alex CHAN, Past President of the HKIE at the exhibition booth in InnoCarnival 2017 (BM)

Hong Kong Joint Symposium 2017 (BS)



Young engineers carrying out detailed research for "The Future of Global Cities" (YMC)

Group photo of speakers and members of the Organising Committee at the HKIE Building Division 17th Annual Seminar on "Advanced Technology and Design for Buildability in Construction" (BD)





Final presentation by a student team in the Energy Innovation for Smart City Competition (EL)

Group photo taken at the Hong Kong Electronics Symposium 2018 (EN)



Full house of members attending the Inter-division Certificate Course (EV)

Dr C M HO (L), Chairperson of the HKIE-SSC Students Safety Projects Competition, presenting the award certificate to a winner from the Hong Kong Polytechnic University (SSC)



The 30th Anniversary Annual Dinner at Hong Kong Football Club on 9 May 2018 (CA)





Full house of participants at the Environmental Division Annual Forum 2018 (EV)



Members of the Symposium Organising Committee (EL)

Invited speakers explained and demonstrated their products at Hong Kong Electronics Project Competition (HKEPC) Winners Conference (EN)



The 10th Anniversary Annual Dinner of the Fire Division (FE)

The 30th Anniversary Annual Symposium (TheA) on 9 February 2018 (CA)





Technical visit to Hong Kong Disneyland Resort's Disney Explorers Lodge (FE)



Guests' performance at MI Gala Dinner 2018 (MI)



Mentors and Mentees of The Boys' and Girls' Club Association of Hong Kong - The Growing Partners III Project with their own creations (YMC)



Group photo taken during the visit to Guangzhou Pumped Storage Power Station (EG)



Dr T C CHEUNG (middle), Director of Buildings being guest of honour at the Annual Seminar 2018 (ST)

Technical Visit to Topray Solar (AMC)



Participants carefully inspecting the car during the Short Course "Technical Aspects of Maintaining Cars Part I" (MC)



Photo of guests and the TECH Band at the Annual Dinner (EG)

Group photo of members of the Organising Committee and speakers of the Annual Symposium (LT)



Visit to the Institution of Engineers Singapore (AMC)

Ir F CHAN, Secretary of Transportation and Housing being the guest of honour at the Annual Dinner 2017 (ST)



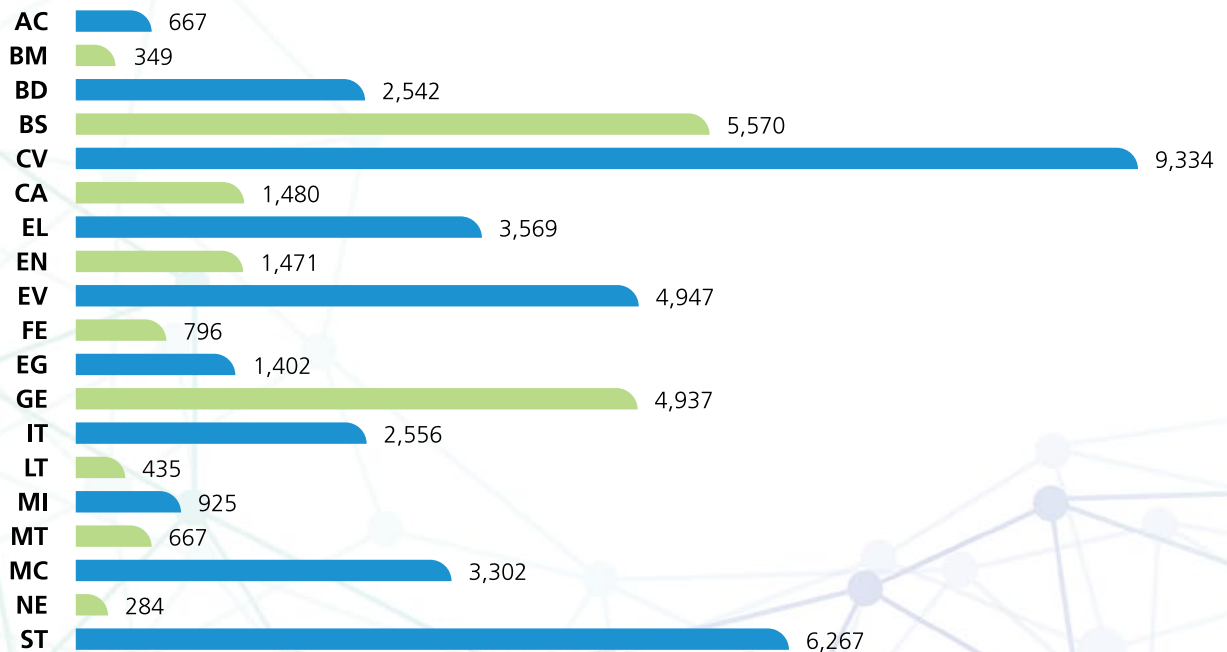
Membership of Divisions/Committees

(as at 21 June 2018)

Division		Membership
Aircraft Division	AC	667
Biomedical Division	BM	349
Building Division	BD	2,542
Building Services Division	BS	5,570
Civil Division	CV	9,334
Control, Automation & Instrumentation Division	CA	1,480
Electrical Division	EL	3,569
Electronics Division	EN	1,471
Environmental Division	EV	4,947
Fire Division	FE	796
Gas & Energy Division	EG	1,402
Geotechnical Division	GE	4,937
Information Technology Division	IT	2,556
Logistics & Transportation Division	LT	435
Manufacturing & Industrial Division	MI	925
Materials Division	MT	667
Mechanical, Marine, Naval Architecture & Chemical Division	MC	3,302
Nuclear Division	NE	284
Structural Division	ST	6,267

Committee		Membership
Associate Members Committee	AMC	948
Safety Specialist Committee	SSC	6,838
Young Members Committee	YMC	4,581

Division



Committee



Membership 0 2,000 4,000 6,000 8,000 10,000