

ENVIRONMENTAL DIVISION
ANNUAL REPORT FOR SESSION 2017/2018

Chairman's Message

It is a great honour and privilege for me to serve as the Chairman of the Environmental Division of Hong Kong Institution of Engineers for the term of 2017 to 2018. First of all, I would like to give my sincere thanks to all committee members for their dedicated support and great efforts. Riding on the achievement of past chairpersons, as well as the contributions from our committee members and the council members, the Environmental Division is growing from strengths to strengths through the tremendous efforts that have been made from them. Definitely, the Environmental Division is playing a pivotal role in developing environmental professionalism in Hong Kong. The experiences and expertise of our members are well recognized by other stakeholders.



As the Government has launched several blueprints and action plans during this few years, including Sustainable Use of Resources, Food Waste and Yard Waste Plan, Energy Efficiency Action Plan, Climate Change Action Plan and so on, all these demand high-quality inputs and contributions from environmental professionals. We have build on such good work and continue to further develop environmental professionalism, extend our contributions to HKIE and our society, and raise the status of our members in this session.

For the way forward, we will organize 9th Guangdong, Hong Kong, Macao sustainable Development Conference which will be held in September 2018. I also wish to concert the synergy with other divisions of HKIE and to work in collaboration to organize the inter-division certificate courses and some social activities in the leisure time for our members. Furthermore we will continue to organize technical seminars, technical visits, and talks with various professionals from time to time in order to nurture more young professionals and foster professional development of the environmental industry.

Last but not least, I would like to stress that continued support from our members is the essence to make our future endeavor a success. With your support and the concerted effort, I believe that our division would continue to thrive and reach new heights under the leadership of the coming session.

A handwritten signature in black ink, appearing to read 'Kelvin Tang', with a stylized flourish at the end.

Ir Kelvin Tang
Chairman of Environmental Division

The Committee

The Committee of the Environmental Division includes the following members who have greatly contributed to discussions and organising various activities for the Division in this Session. A number of young helpers also joined our regular meetings and participated in our activities.

Committee Members

Ir TANG Sher Kin, Kelvin	Chairman
Ir Elvis AU Wai Kwong	Immediate Past Chairman
Ir Norman C. P. CHENG	Deputy Chairman
Ir Dr Shelley ZHOU Wenwen	Hon Secretary
Ir Thomas CT Chan	Hon Treasurer
Ir LAM Chi Sing	Committee Member, CSC Representative
Ir C.M. CHOI	Committee Member, CPDC Representative
Ir Dr Raymond KL Chan	Committee Member, PRC Representative
Ir Dr Alex GBAUIDI	Committee Member
Mr LAM Yau Bun, Benjamin	Committee Member
Ir Vincent Lee	Committee Member
Ir Alex WK Wong	Committee Member
Ms. Jacqueline CHAN Yee Tak	Committee Member
Ir Prof Irene LO Man Chi	Committee Member
Ir LEE Ping Kuen	Committee Member
Ir IP Tat Yan	Committee Member
Ir Anthony KWAN Lok Fong	Committee Member

Ex-officio and Co-opted Members

Mr Patrick LEE Wei Wood	Ex-officio Member, AMC Representative
Ir Sin, Calvin	Ex-officio Member, SSC Representative
Ir CHEN Hao Ting, Ambrose	Ex-officio Member, YMC Representative
Ir Elvis AU Wai Kwong	Ex-officio Member, Council Member (Division)
Ir CF LAM	Chairman of Environmental Discipline DAP
Ir Dr Anthony MA	Co-opted Member
Ir Dr Kaimin SHIH	Co-opted Member
Ir CF LEUNG	Co-opted Member

Helpers

Ir Mannix Chan	Helper
Ir Franky Cheng	Helper
Mr Peter Chow	Helper
Ms Dora Yip	Helper
Ms Susan Chen	Helper
Ms Dorothy Chan	Helper
Mr Elvis Lo	Helper
Mr Jerry Liao	Helper

Ms Gigi Li	Helper
Ms Eileen Cheng	Helper
Mr Qian Minwei	Helper
Ms Sukie Chan	Helper
Mr Steve Chan	Helper
Ms Chelsea Li	Helper
Ms Tinky Kwok	Helper
Mr Daniel Wang	Helper
Mr Willy Fung	Helper
Mr Kingsley Hon	Helper
Ms Celia Cheng	Helper
Mr Derick Chak	Helper
Ms Haydee Or	Helper
Ms Stephenie So	Helper
Ms Ada Lee	Helper
Ms Sandy Tong	Helper
Mr Sunny Cho	Helper
Ms Carmen Cheung	Helper

Publication in HKIE Monthly Journal

We continue to act as a coordinator which works closely with potential writers for preparation of articles related to climate change issues from different perspectives for publication in Climate Change Corner under HKIE monthly journal. From July to March 2018, we have submitted 12 articles about the activities /seminars organised by us for sharing and communication among members.

HKIE Environmental Division Website

The HKIE Environmental website (<http://ev.hkie.org.hk/>) has performed an excellent function in keeping members up-to-date with major and important events. These include the activities for which we are the supporting organisation. The photos and PPT presentations presented in the seminars could be downloaded from the website to facilitate easy sharing of useful information. The photo gallery stores photos taken in the current and past activities were uploaded for sharing among members, which brings back wonderful memories and joyful moment in the various event and activities. The knowledge hub in our division website which stores documents those were published by the Division and could be easily extracted by our members.

Activities

In addition to organising high-quality technical seminars and visits, in this session, we were also involved in other activities, such as making presentations to professionals and the general public, attending and responding to consultations, and representing HKIE on external committees / panels so as to further boost up the professional standing of HKIE

Environmental Division. The activities organised and co-organised by the Committee are summarized in Annex 1 and 2 of the report. Some signature activities of this session are highlighted below:

- **Inter-division Certificate Courses**

The inter-division certificate courses were organized with the collaboration with Building Services and Mechanical Divisions. The courses consisted of three sections and there were 12 classes in total. It was held in September & November 2017 and January 2018. With the overwhelming responses from the members, more than 90 participants had been joined each course and it covered many topics for the fundamental knowledge of HVAC system, Hong Kong Environmental ordinance and the Sustainability design for buildings. It gave a great opportunity to our members to learn more knowledge in different disciplines.

- **Annual Reception**

Another important highlight of the activity is our Annual Reception which was held on 30 November 2017 at Craigengower Cricket Club. We were much delighted to have Mr. Wong Kam Sing, the Secretary for Environment as the Guest of Honour for our event. There were over 140 participants attending the reception. This is a flagship event of our division every year; our members were not only to meet with each other in a leisure atmosphere but also had a chance to know more about the plan of the environmental division for the year ahead. With the support of the young engineers, they performed the wonderful music to our members and all of us to have an enjoyable evening at this event.

- **Annual Forum**

As same as last year, the Annual Forum was also held in Crowne Plaza Hotel on 27 April 2018, just a few weeks ago. The theme of the annual forum is “Developing Intelligent Resource Preservation Strategies for Hong: Challenges for Innovation and Sustainability”. The Forum was comprised of the keynote session and three other sessions, namely 1) Legislation and Policy Reforms as Potential Drivers for Resource Preservation; 2) Driving Green Alternatives for Sustainable Resource Management, and 3) Embracing Emerging Sustainable Approaches for Managing Specific Resources. As a matter of fact, we are facing the climate change and the shortage of resources, in terms of energy, clean water, and clean air. We, definitely, need to overcome many challenges through innovative solutions, and excellence in technologies advancement as well as operation practices to build a sustainable development of Hong Kong. This forum provides a platform for the prominent speakers and audiences to discuss scientific, technical and socioeconomic issues related to developing an intelligent resource preservation strategy for Hong Kong and address the environmental concerns. There were approximately 300 participants which including around 60 graduated members for attending the event.

- **Job Shadowing Programme**

We also organised the Job Shadowing Programme and continue to extend the out-reaching from high school to tertiary education students, and thus we received approximately 290 students from 6 higher education institutions (HKU, IVE-TY, CityU, Chu Hai College, HKUST, and OUHK) and 4 secondary schools (Diocesan Girls School, PLK-Ho Yuk Ching (1984) college, Christian Alliance Cheng Wing Chee College and CCC Logos Academy) attending this Programme. With the support from 10 host organisations/companies, namely Environmental Protection Department, Hong Kong Productivity Council, Business Environment Council, Mott Macdonald Engineering company, The Jardine Engineering Corporation, Limited, Towngas Company, ATAL Engineering Ltd., China Light & Power HK Limited, The Hong Kong Electric Co., Ltd. and Swire Group, the programme provided an opportunity for young people to explore first-hand skills needed to succeed in today's and future job markets and to enhance their environmental awareness. The programme was welcomed by the students, who have expressed strong interest in the environmental engineering profession and they were also able to appreciate the knowledge and ability required to develop their careers as environmental engineers.

- **Reach-out programme**

A reach-out programme was also continued to be organized this year where our committee members had led by the Chairman and visit different companies in order to promote the environmental division while listening to the members/potential members on how the environmental division could serve them better. We had visited some companies such as Environmental Resources Management, Atkins Hong Kong and Telex Environmental and Energy Management. Through the reach-out programme, we could let more people in the industry understand the role of Environmental Engineers and also enhance the states of the professional environmental engineers. Moreover, we introduced the HKIE Scheme A programme to the visited companies and encouraged them to set up the Scheme A programme for their graduate engineers to join the proper training of Environmental Discipline. Needless to say that it increased job opportunities in the environmental engineering sector for the young engineers too. As a two-way communication of each visit, it gave the great opportunity to listen to the needs from them so that we could provide more technical seminars on hot topics related to environmental management to suit for our members.

- **Environmental Division Soccer Competition 2018**

In order to promote a better-balanced life attitude to members, health and work are equally important to all of us. An Environmental Division Soccer competition was initiated this year where there were 6 teams from Hong Kong Waste Management Association, Asian Institute of Intelligent Buildings, China Light Power HK Limited, The Jardine Engineering Corporation Limited, Shiu On Group and our division for friendly competitions on 24 February 2018. All the teams showed a

high team spirit for the competition and a good networking for our young members as well.

For details of our activities, please refer to our website <http://ev.hkie.org.hk>

Public Consultation

We offered our views and comments on the following consultation papers:

- Consultancy for the Review of the Building (Planning) Regulations
- The Consultation Session on the 2017-18 Policy Address for the Council for Sustainable Development and the environmental protection sector
- Public Engagement on Review of Air Quality Objectives - Possible New Air Quality Improvement Measures
- Consultancy Study on Street Ecology Strategy for Hong Kong

Environmental Discipline Advisory Panel

The Discipline Advisory Panel supported the Competence-based Professional Assessment last year; an update was given on the implementation of competence-based approach in the assessment of experience and professional competence as follows:

- Core objectives in the Competence-based format were developed for all 21 disciplines and to be reviewed by Training Committee for subsequent endorsement by Q&M Board in April 2018.
- A Focus Group Meeting would be held on 26 March 2018 for mapping of discipline-specific competencies of five disciplines (Aircraft, Biomedical, Electrical, Environmental and Fire) to the 12 competencies for review by the HKIE Working Group. It was proposed to group the 12 competencies into four areas, namely engineering knowledge, developing technical solutions, managing engineering work and professional acumen.
- DAPs to nominate assessors for 20 training sessions to be held in June 2018, Oct to Nov 2018 and Feb to Mar 2019.
- A pilot assessor training session for HKIE Working Group members would be held in May 2018.