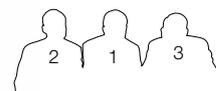


# Reports from Boards and Committees

## 2018/2019



- 1 Ir Ringo S M YU**  
Chairman, Administration Board
- 2 Ir David C H CHANG**  
Chairman, Journal Editorial Committee
- 3 Ir Thomas K C CHAN**  
Chairman, Management Committee

### ADMINISTRATION BOARD

**Ir Ringo YU Shek Man,  
Chairman**

The Administration Board is responsible for the interpretation, development and implementation of the Institution's policies on financial and administrative matters as well as the co-ordination of administrative functions involving more than one Committee under the Board. Appraising the Institution's administrative policies from time to time is a central and fundamental role of the Board.

During the year, the Board worked closely with the Journal Editorial Committee to reorganise the publication of the *HKIE Journal*, including the provision of in-house editing services for the Journal by the Secretariat and the appointment of an experienced service provider for the cover stories. In addition, a web-based digital Journal is to be developed, hosted and managed by the Institution in the latter part of 2019. To protect the environment, we held promotional activities to encourage members to opt-in for the digital version of the Journal, and decided not to send a printed copy of the Journal to new HKIE members except under their express request.

The Board also gave consideration to the possibility of producing a digital version of the *HKIE Yearbook*

but decided the *HKIE Yearbook* will be published in the current printed format due to privacy issues related to members' data.

To facilitate the payment of membership subscriptions, the Board approved the introduction of a Faster Payment System as an additional choice for members. The Board anticipates the system will be launched in the 1st quarter of 2020.

Through the work of the Management Committee, the Board reviewed and adopted the changes to the Composition and Terms of Reference of the Accreditation Board, the Fellowship Committee and the Finance & Investment Sub-Committee.

The Institution generated sufficient income to fund the activities initiated throughout the year and the Board is pleased to note the Institution's financial situation remains healthy.

The Board closely monitored the changes to the establishment of the Secretariat, the affairs of the Journal and the financial accounts of the Institution's Yearbook. The Board will also continue to review the Institution's facilities and management issues.

## Journal Editorial Committee

**Ir David CHANG Chung Hung, Chairman**

The Journal Editorial Committee (JEC) oversees the production and publication of the *Hong Kong Engineer* (the Journal), Hong Kong Engineer Online and the *HKIE Yearbook*. In addition to broadening the horizons of our members, these important communication channels play a key role in expanding their professional connections.

As a recent survey about the reading habits of our members demonstrated a shift towards online reading, we kick-started the revamp of Hong Kong Engineer Online to enhance the digital reading experience. We also invited members to indicate their preference for digital copy as we hope to reduce paper consumption and our carbon footprint.

We are committed to making every page worth the printing. The Journal has been enriched by insightful stories written by the Hong Kong Economic Times and contributed by industry professionals on various topics of interest to fellow engineers such as the

future of BIM, financial technology, and the potential of genetic engineering. Cover stories on projects included the Central-Wan Chai Bypass, Kai Tak River and the Harbour Area Treatment Scheme. The Journal also publishes submissions from our Divisions, Committees and Clubs on their year-round activities.

The Institution was also honoured with the Caring Organisation Logo for the fifteenth consecutive year since 2004. We will continue to extend support to charitable organisations by offering complimentary promotional insertion service in the Journal, as we have done for appeals on behalf of Sowers Action, St Christopher's Home and the Hong Kong Homeless Dog Shelter.

Owing all these accomplishments to the unwavering support and devotion of the Committee members and the Publisher, the Committee will continue to maintain the professional standards of our publications.

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## Management Committee

**Ir Thomas CHAN Kwok Cheung, Chairman**

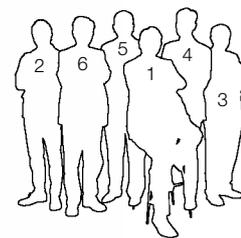
The Management Committee is responsible to the Administration Board for overseeing the management of the Institution's assets and investments and for the policies and monitoring of changes related to the Secretariat. The Committee is also responsible for reviewing and updating the policies and management procedures of the Institution as well as the composition and terms of reference of the Institution's Boards and Committees.

The Committee is pleased to report that, for the 2018/2019 financial year, the Institution maintained its healthy financial position while generating a surplus of HK\$1.6 million. Total income for the year was HK\$73.6 million while expenditures reached HK\$71.9 million. The overall spending pattern remained broadly similar to the previous year.

The Committee worked closely with the Staff Resources Sub-Committee on the proposal for the staff establishment based on the workload and development of individual functional areas of the Secretariat, which was approved for implementation in 2018/2019.

During the year under review, the Committee closely monitored staff cost against the budget to ensure the Institution delivered appropriate support to our members.

The Committee also reviewed changes to the Composition and Terms of Reference of the Accreditation Board, the Fellowship Committee and the Finance & Investment Sub-Committee.



- 1 **Ir Dr YUEN Pak Leung**  
Chairman, Qualification & Membership Board
- 2 **Ir Prof Michael K H LEUNG**  
Chairman, Education & Examinations Committee
- 3 **Ir Prof William H K LAM**  
Chairman, Fellowship Committee
- 4 **Ir Colin C L CHUNG**  
Chairman, Professional Assessment Committee
- 5 **Ir Dr George L W SZE**  
Chairman, Quality Control Committee
- 6 **Ir Prof Leslie George THAM**  
Chairman, Training Committee

## QUALIFICATION & MEMBERSHIP BOARD

**Ir Dr YUEN Pak Leung,  
Chairman**

During the Session, the Qualification & Membership Board continued its stringent review of the Institution's qualifying process in order to maintain the quality of membership admission.

I am pleased to report that the Competence-based Professional Assessment has been successfully introduced in April 2019. Following the launch, applicants for Membership of the HKIE will be assessed pursuant to the HKIE Competence Standard for

Professional Engineers. The Scheme "A" Training in competence-based format has also been introduced to dovetail with this development. This new competence-based system will enable the Institution to keep in pace with the development of international practice and standards.

As the quality of our membership underpins the development and growth of the Institution, the Board is committed to upholding the quality

### MEMBERSHIP APPLICATION STATISTICS

#### APPLICATIONS

GRADE	Considered 2018/2019	Accepted 2018/2019
Fellow	57	55
Member	1,133	418
Graduate Member	1,339	1,251
Associate Member	12	2
Companion	0	0
Student Member	2,482	2,308
Affiliate	4	4
Additional Discipline	148	60
<b>Total</b>	<b>5,175</b>	<b>4,098</b>

Note: Up to 31 March of the year.

### MEMBERSHIP STATISTICS

MEMBERSHIP	31-Mar-16	31-Mar-17	31-Mar-18	31-Mar-19
Honorary Fellow	18	19	18	15
Fellow	1,140	1,155	1,176	1,211
Member	14,156	14,435	14,686	14,898
Graduate Member	7,824	8,295	8,501	8,727
Associate Member	1,071	1,011	949	896
Companion	16	17	17	16
Student Member	8,368	9,181	8,535	8,511
Affiliate	376	350	331	321
<b>Total</b>	<b>32,969</b>	<b>34,463</b>	<b>34,213</b>	<b>34,595</b>

of the membership through reviewing its admission system. During the Session, the Board approved the proposed updates to the admission requirements for Members in Building Services, Materials and Manufacturing & Industrial Disciplines.

I am also pleased to report the number of applicants for the HKIE Structural Examination in this Session doubled to reach a record high of 517, comparing to its first launch in 2009. This increase demonstrates the Examination has been well established and accepted by fellow engineers in the field. The Board also approved the proposed amendments to the eligibility for the Examination to align the training requirements with other Disciplines for taking Professional Assessment.

With regards to the Greater Bay Area, representatives of the Institution have

actively participated in discussions and meetings with our Mainland counterparts and the Government to explore the possibility of recognition of the qualification of engineers there. We also exchanged views on how the ability of Hong Kong construction professionals and enterprises to set up businesses in the Greater Bay Area cities could be enhanced. I was tasked to chair a Working Group to follow up on the development in these areas.

This year has been a busy and fruitful year for the Board as we reviewed a total of 679 and 3,566 applications for Corporate and other classes of membership, respectively. The Institution has grown from strength to strength and, as of June 2019, the membership of the Institution stood at more than 34,000.

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## Education & Examinations Committee

**Ir Prof Michael LEUNG Kwok Hi,  
Chairman**

During this Session, the Education and Examinations (E&E) Committee considered a total of 51 applications for individual assessment of academic qualifications for the class of Member. The Committee accepted 33 cases as meeting the academic requirements for Members, while it rejected 19 applications. The E&E Committee also considered and accepted one application for the class of Associate Member. It also produced an information leaflet detailing the application requirements and assessment criteria for the benefits of students with degrees not recognised

by the HKIE who pursuing postgraduate studies in engineering.

In the year under review, the Civil Discipline and Structural Discipline both received 11 applications for academic assessment — the most amongst all Disciplines — followed by the Environmental Discipline, which received nine applications.

The E&E Committee also considered and rejected one application under the Special Route for Specific Disciplines (Environmental, Information and Materials) in the Environmental Discipline and reviewed one appeal case.

## **Fellowship Committee**

**Ir Prof William LAM Hing Keung, Chairman**

Fellow is the highest grade of the Institution's membership available for application. Fellows are senior members who are well-positioned to make major contributions to:

- the affairs of the Institution;
- issues of public interest and learned society functions; and
- the setting of standards for qualifications.

It is the policy of the Committee to assess each application based on individual merit, taking into full consideration each candidate's

particular circumstances. During the Session, the Fellowship Committee recommended a total of 54 candidates for Fellowship.

To strengthen the composition of the Fellowship Committee, the Council approved the proposal of the Fellowship Committee to increase the number of members (excluding Chairman) from six to eight for Session 2019/2020.

We would be pleased to see more applications for Fellowship from qualified applicants in the future.

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## **Professional Assessment Committee**

**Ir Colin CHUNG Chi Leong, Chairman**

During this session, the Professional Assessment Committee (PAC) supported the implementation of the Competence-based Professional Assessment system which was launched on 1 April 2019.

The PAC provided inputs on the development of the competence-based documentation and reviewed the Notes to Assessors on the Mature Route Applications and the Research & Development Route Applications for the new assessment system. In addition, the PAC considered and suggested various training formats to facilitate the planning of on-going Assessor Training on Competence-based Professional Assessment.

To harmonise the requirements of Project Presentation in Professional Assessment among different Disciplines, the PAC resolved that

applicants, irrespective of the applying Discipline, shall deliver a 15-minute presentation. This does not apply to mature candidates or applications received via the Reciprocal Recognition Agreement. Moreover, applicants in Civil, Geotechnical and Structural Disciplines are allowed to use a flipchart in addition to photos or drawings in their project report as presentation tools, while applicants in other Disciplines may choose other visual aids they think suitable.

To facilitate the arrangement of Professional Assessment by the Disciplines, the PAC endorsed the initiative of requiring applicants to indicate the areas of work in their application for the purpose of matching Assessors. Civil Discipline and Logistics and Transportation Discipline have implemented this arrangement.

## Quality Control Committee

**Ir Dr George SZE Lee Wah,  
Chairman**

The Quality Control Committee (QCC) held six meetings and reviewed a total of 553 assessment results during the Session. The passing rate was 56% for the Session, compared with 53% for the previous Session.

During the Session, the QCC also reviewed 18 appeal cases.

The QCC remains dedicated to its mission of maintaining consistent professional assessments with high-quality standard across the Institution's 21 Disciplines and to uphold the quality of Members admitted via Reciprocal Recognition Agreements with other Institutions.

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## Training Committee

**Ir Prof Leslie George THAM,  
Chairman**

The Training Committee handles various training matters, in particular, the vetting and monitoring of Scheme "A" Training and Formal Training Scheme to Associate Membership (AM Formal Training).

In tandem with the implementation of Professional Assessment in competence-based format in 2019, task forces were formed in the last Session to assist the Training Committee to conduct an overall review of Scheme "A" Training to dovetail with the new system. In accordance with the task forces' recommendations, new Scheme "A" documents were published in November 2018. All Scheme "A" companies have been informed of the launch of Scheme "A" Training in Competence-based Format and other relevant new measures. All Scheme "A" trainees whose training start dates lie on or after 1 April 2019 will undergo their training in the new competence-based format.

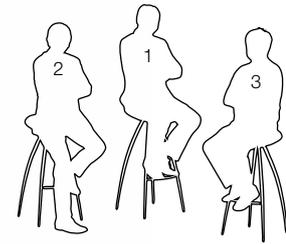
Company assessments for Scheme "A" in competence-based format began this Session. A total of 16 re-assessment applications via paper evaluation and 16 visits covering seven assessment and 15 re-assessment applications were completed. AM Formal Training was still under Training-by-Objectives format and one new company had been approved to offer AM Formal Training. The total number of newly-registered trainees was 965.

Four Scheme "A" Workshops were conducted to facilitate potential and existing Scheme "A" companies to prepare their assessment/re-assessment applications and to co-ordinate various Scheme "A" matters for their companies. A total of 120 company representatives attended these workshops.

Three Engineering Supervisor Workshops were held and 106 members were approved as Engineering Supervisors for Scheme "A" Training or AM Formal Training.

In parallel with the accreditation exercises conducted by the HKIE for The Hong Kong Polytechnic University, City University of Hong Kong and the Chinese University of Hong Kong, requests for discipline matching for Scheme "A" were also handled for a total of 35 programmes.

Lastly, the competition for Trainee of the Year Award 2018 was completed. The awards were presented at the New Members' Reception cum Prize Presentation Ceremony on 11 January 2019 at the Hong Kong Club. Mr C H Lam of CLP Power Hong Kong Limited won the first prize, while Miss M W Tsang of The Hong Kong and China Gas Company Limited ranked second and Miss Karen Leong of ATAL Engineering Limited finished third. Ir Ringo Yu, President of the Institution, presented the prizes to the three awardees and their company representatives.



- 1 Ir Edwin K F CHUNG**  
Chairman, Learned Society Board
- 2 Ir Sidney P K TONG**  
Chairman, Construction Dispute Resolution Committee
- 3 Ir Prof CHAN Tat Leung**  
Chairman, HKIE Transactions Committee

Note: Ir Prof Christopher K Y LEUNG (Chairman, Conference Committee), Ir Paul Y C CHAN (Chairman, Continuing Professional Development Committee), Ir Bobby M T NG (Chairman, Public Service Committee) were not available at the photo sessions.

## LEARNED SOCIETY BOARD

### Ir Edwin CHUNG Kwok Fai, Chairman

Our Divisions and Committees continued to make untiring efforts to organise learned society activities and other events during the Session to support the sustainable professional development of members and provide them with diversified learning opportunities.

We also formed two new Committees approved by the Council: the “Public Service Committee” — created by combining the Community Service Committee and Public Relations Committee — and the “Construction Dispute Resolution Committee”.

To further encourage young members’ participation in the Division Committees, the Council approved the Board’s resolution to increase the number of seats for young members in Division Committees to three and related proposed amendments to the Division Rules. These will be enacted in Session 2019/2020 for implementation in the subsequent Sessions.

On the recommendation of the Board, the Council approved the setting up of a new HKIE Student Chapter at

the Hong Kong Institute of Vocational Education (Haking Wong). This will be the tenth Student Chapter expected to commence operation in Session 2019/2020.

We continued to develop ties with Mainland and overseas engineering institutions. During the Session, the Council approved the renewal of Agreements of Co-operation with four institutions, namely the China Association for Science and Technology, the American Society of Civil Engineers, the Institution of Engineers (India) and the Institution of Engineers Singapore.

From 23 to 27 March 2019, the Board also organised a 20-member delegation to Guizhou with the support of the Liaison Office of the Central People’s Government in the Hong Kong Special Administrative Region. Delegates had fruitful cross-disciplinary exchanges with Mainland Officials and representatives from our engineering counterparts, high-tech data centres and well-known enterprises.

## Conference Committee

**Ir Prof Christopher LEUNG Kin Ying, Chairman**

The Conference Committee was actively involved in the planning and organisation of various local and international seminars/conferences during Session 2018/2019.

Organised by the Institution with the support of the Highways Department of the Government of the HKSAR, we held a Technical Seminar on “Design and Construction Challenges of Hong Kong-Zhuhai-Macao Bridge” on 23 June 2018 at the Hong Kong Central Library. It was well attended by more than 250 delegates. Ir Raymond Kong, Project Manager of Major Works Project Management Office (Special Duties), Highways Department of the Government of the HKSAR delivered a keynote address on the background and construction challenges of the Hong Kong-Zhuhai-Macao Bridge (HZMB) while eleven prominent speakers shared their experiences dealing with the challenges associated with the design and construction of the project at the plenary sessions. Subsequent to the Technical Seminar, 40 delegates attended a post-event Technical Visit to the HZMB (Hong Kong Section) on 19 January 2019.

The Institution hosted the International Engineering Alliance Meetings (IEAM) 2019 on 10 - 14 June 2019 at the Crowne Plaza Hong Kong Kowloon East. The International Engineering Alliance is a global not-for-profit organisation, which comprises members from 37 jurisdictions within 28 countries/regions, across seven international agreements. All signatories and authorised members meet annually to discuss issues pertinent to the international benchmarking of engineering education and competencies. More than 180 delegates from 34 countries/regions attended the meetings this year. We also hosted the Seoul Accord General Meeting (SAGM) 2019, held concurrently with a portion of the IEAM 2019. The Seoul Accord is a multi-lateral agreement among agencies responsible for accreditation or recognition of tertiary-level computing and IT-related qualifications. Members of the Seoul Accord meet annually at the SAGM and more than 30 delegates from 15 countries and regions participated in this year’s Meeting.

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## Construction Dispute Resolution Committee

**Ir Sidney TONG Pui Keung, Chairman**

The Construction Dispute Resolution Committee was set up under the Learned Society Board in the Session. The Committee is responsible for all matters relating to adjudication, arbitration, mediation as well as the development of any other forms of alternative dispute resolution, and in particular relating to the engineering profession.

The Committee mapped out its Activity Plan for 2018 - 2021 to introduce various initiatives related to training on skills and knowledge relevant to adjudication and other forms of dispute resolution mechanisms. During the Session, the Committee organised two lectures as well as the HKIE Adjudication Training Course 2019, which were well-attended by our members.

The webpage of the Committee was developed under the HKIE website to share news from the Committee and information about dispute resolution. The Committee also set up the updated HKIE Lists of Arbitrators and Mediators which are uploaded onto the webpage.

The Committee will continue implementing the initiatives laid down in the Activity Plan and explore different collaboration opportunities with relevant parties to promote the use of all forms of dispute resolution mechanism in handling disputes in relation to construction and engineering sector.

## Continuing Professional Development Committee

**Ir Paul CHAN Yim Cheong,  
Chairman**

The Continuing Professional Development Committee (CPDC) continued its efforts to promote and administer non-technical Continuing Professional Development (CPD) activities for members of the Institution.

With support from 11 CPD course providers, the Committee administered around 710 courses covering occupational safety and health, technical matters and general professional subjects in 2018. These activities attracted around 1,860 participants. Sit-in arrangement for CPD courses took place from January 2018 onwards, and members' feedbacks on the courses were generally satisfactory. The Committee approved two new CPD course providers in 2019, namely CMA Testing and Certification Laboratories and InsideOut Training. The Committee also co-organised CPD courses and activities with the Young Members Committee.

CPD became a mandatory requirement for Corporate Members since 1

January 2006. In order to ascertain compliance, the CPDC sets a Special Panel (CPDCSP) to review CPD submissions and to make recommendations to the CPDC on compliance cases annually under the current audit mechanism. The audit on members' CPD attainment in 2017 has been completed. The CPDCSP reviewed a total of 143 cases and 128 of them were in compliance with the requirements.

Approved in May 2016, the Competence-based Approach to CPD Activities (the Approach) for Corporate Members has gone through a two-year transitional period from 1 January 2017 to 31 December 2018. Of 30 CPD hours Corporate Members are required to undertake annually, at least five hours shall be devoted to each of "Technical Matters" and "Broader Areas of Studies", two areas of CPD activities. This Approach was fully implemented on 1 January 2019.

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## HKIE Transactions Committee

**Ir Prof CHAN Tat Leung,  
Chairman**

Thanks to the devotion and efforts of the expert Editorial Panel, *HKIE Transactions* publishes high quality papers across various engineering disciplines. We aim to provide an excellent platform for information and knowledge exchange among local and overseas engineering communities. The papers in *HKIE Transactions* have been of tremendous use and interest to practising engineers and academics alike over the years.

From January 2019, the Institution has taken up the publishing of *HKIE Transactions* following the end of the contract with the Publisher, Taylor & Francis. An online archive containing e-copies of all papers published in the past has been established for all subscribing members following the transfer of publisher. We also endeavour to facilitate a wider global

readership and maximise the outreach to international authors, thus uplifting the international profile of *HKIE Transactions*.

Each year we publish a "Theme Issue" (previously known as "Special Issue") of *HKIE Transactions*. Covering hot topics in engineering, it enhances both our outreach strategy and citation rate. Following the success of previous Theme Issues, the Committee is honoured to have Prof X Y Li, Professor in Environmental Engineering, the Department of Civil Engineering, The University of Hong Kong as the Guest Editor for the fifth Theme Issue on "Sustainable Wastewater Technologies for Pollution Control and Resource Recovery", which was published in June 2019.

The Committee is also delighted to report that the sixth Theme Issue

on “Advanced Machine Learning Methods for Information Technology Convergence” is scheduled to be published in June 2020. Prof J C Yang, Professor at the College of Computer Science and Information Engineering, Tianjin University of Science and Technology, China, will be the Guest Editor for this Theme Issue.

In addition, three exceptional papers were awarded the HKIE Best Transactions Paper Prize 2018, while three other distinguished papers were awarded the HKIE Outstanding Paper Award for Young Engineers/ Researchers 2018. Awardees of the Outstanding Paper Award were invited to share and exhibit their papers and

accomplishments with practitioners, engineering students and secondary school students at a public lecture held on 3 October 2018. The awarded papers, together with the three shortlisted papers, were published in the special issue of *HKIE Transactions* in December 2018.

The success of *HKIE Transactions* largely relies on the dedicated efforts of a group of international intellectuals including Editors, Associate Editors, Transactions International Advisors and paper reviewers. The Committee will continue to enhance the quality and readership of *HKIE Transactions* in the coming Session.

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## Public Service Committee

**Ir Bobby NG Mang Tung,  
Chairman**

The Public Service Committee was formed in the Session combining the former Community Service Committee and Public Relations Committee following a review of the organisational structure of the Institution. The Committee in the Session continued promoting the Institution and the engineering profession to the public.

During the Session, the Committee contributed views on engineering related issues as well as matters of public concerns, and engaged in public affairs. The Committee received 23 invitations for views from the Government and public bodies. The consolidated views were also presented in relevant meetings of the Legislative Council. On the subject of Lantau Tomorrow Vision, an Ad Hoc Working Group was set up under the Committee to study and formulate technical views. On the nomination onto external boards and committees, more than 130 members were nominated during the year. A visit to the Wong Tai Sin District Council was also arranged on 11 December 2018 to strengthen communication with the community.

The Committee also devoted great efforts in promoting the engineering profession. More than 3,900 secondary and university students attended talks organised through the HKIE School Ambassadors Programme. Editorial contributions were also consolidated from Divisions/Committees to the Classified Post Website and JobsDB Online Platform to promote the engineering profession to the public. The Committee invited submissions of distinguished engineering projects for inclusion in the website entitled “Hong Kong Engineering Archive” to raise public’s appreciation of the professional engineers’ contributions to the development of Hong Kong. To further arouse the interest of the young generation in engineering, the Institution continued to participate in the Education & Careers Expo 2019 on 24 - 27 January 2019, where our booth received more than 1,000 visiting traffic. As a signature event of the Session, the HKIE Engineer Day was successfully held on 13 April 2019, with a record attendance of more than 4,000 visiting traffic.

## PLANNING COMMITTEE

### Ir Thomas CHAN Kwok Cheung, Chairman

In Session 2018/2019, the Committee continued to oversee the long-term strategies of the Institution and review the development plans for the Institution.

Under the theme of Session 2018/2019 “New Perspective New Momentum”, the Institution endeavoured to introduce various initiatives in response to the changing needs of our society and inspire the new talents to join the profession and build a sustainable future. A series of activities were launched, including the HKIE Engineer Cadet Club Programme, the HKIE Engineer Day, and the “HKIE Connect: Happy Hour Gathering for Young Members”. To promote the Institution internationally, the Institution hosted and organised the International Engineering Alliance Meetings 2019 in June. To enhance members’ understanding of new developments in

both Hong Kong and in Belt and Road countries, the HKIE Forum on Lantau Tomorrow Visions and a talk series featuring different countries along the Belt and Road region were organised respectively.

In accordance with the timeframe and flowchart of the planning cycle, the Committee reviewed the planned strategies and considered and accepted the Three-Year Rolling Plan for Sessions 2019/2020 to 2021/2022 as well as the new initiatives prepared for the coming Session.



**Ir Thomas K C CHAN**  
Chairman, Planning Committee

## ACCREDITATION BOARD

**Ir Peter Y WONG, Chairman**



As a full signatory to the Washington Accord, the Institution has established itself as an internationally-recognised body in Hong Kong for the accreditation of engineering degree programmes. Currently, a total of 99 engineering degree programmes (including three in Macau) are accredited by the HKIE. During Session 2018/2019, we evaluated 63 engineering degree programmes offered by local institutions.

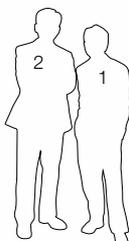
The outcomes based accreditation was implemented in 2012. The first cycle of full accreditation of engineering degree programmes in Hong Kong was completed during Session 2018/2019. A Working Party on Accreditation Exercise for Engineering Degree Programmes (Working Party) was established in October 2018 to review the current accreditation practices. The Working Party has already completed a comparison between the accreditation criteria and practices of selected Washington Accord signatories and the HKIE to facilitate the review of current practices. It is also planning to conduct a survey to solicit the views of different stakeholders, including higher education institutions, on possible areas of improvement in conducting accreditation for engineering degree programmes.

Moreover, we set up the Task Force on the Accreditation of MSc Degree Programmes in Engineering Fields (Task Force) to develop the

accreditation approach for MSc degree programmes in engineering. The Task Force consulted with various stakeholders during this Session. Based on the feedback received, the Task Force drafted a set of Graduate Attributes of MSc programmes and accreditation criteria for MSc programmes. These developments form a solid basis for a pilot run for accreditation of MSc programmes in due course.

As it's important faculty members understand the importance of design of assessment processes, development of measurable learning outcomes as well as application of data collection and data reporting methods in the HKIE accreditation, we invited Prof Daina Briedis — an overseas member of the Board and experienced ABET Trainer and Evaluator — to conduct a one-day workshop for university faculty members in October 2018. The workshop focused on outcomes-based assessment processes for engineering degree programmes in accordance with the outcomes-based approach.

The Board is committed to achieving the highest standard in programme accreditation and continues to maintain a close working relationship with local universities. The Board also conducted periodic exchanges and discussions with other accreditation authorities in the region and other Washington Accord jurisdictions during the year.



**1 Ir Peter Y WONG**  
Chairman, Accreditation Board

**2 Ir Dr CHAN Chun Leung**  
Chairman, Accreditation  
Committee for Computer Science  
Programmes

Note: Ir WONG Chi Ming (Chairman, Accreditation Committee for Higher Diploma Programmes) was not available at the photo sessions.

## Accreditation Committee for Computer Science Programmes

**Ir Dr CHAN Chun Leung,  
Chairman**

The Accreditation Committee for Computer Science Programmes evaluates and grants accreditation decisions for computer science and information and communication technology (ICT) degree programmes in Hong Kong.

Since 2009, the HKIE has been a full signatory of the Seoul Accord, an international mutual recognition agreement on the accreditation of degree programmes in computing and ICT. The HKIE accredits computer science and ICT degree programmes deemed as substantially equivalent to the requirements set forth in the Seoul Accord. HKIE-accredited computer science and ICT degree programmes are thus fully recognised by other signatories to the Seoul Accord, including Australia, Canada, Chinese Taipei, Japan, Korea, the United Kingdom and the United States. During the year, three accreditation exercises were conducted to evaluate four computer science degree programmes from The Hong Kong Polytechnic University, City University

of Hong Kong and The Chinese University of Hong Kong. A total of 17 computer science degree programmes are currently accredited by the HKIE.

In accordance with the Seoul Accord rules and regulations, every jurisdiction with full signatory status is required to undergo a verification review every six years to ensure the accreditation system of a signatory and its computer science degree programme outcomes remain substantially equivalent to those of other signatories.

The HKIE successfully underwent a Seoul Accord Review in 2018 and its signatory status under the Seoul Accord was extended to 2024.

## Accreditation Committee for Higher Diploma Programmes

**Ir WONG Chi Ming, Chairman**

The Accreditation Committee for Higher Diploma Programmes evaluates and grants accreditation decisions for engineering and computing higher diploma and equivalent programmes in Hong Kong.

Since 2003, the HKIE has been a full signatory of the Sydney Accord, an international mutual recognition agreement on the accreditation of programmes at the level of engineering technologist. The HKIE accredits higher diploma or equivalent programmes in engineering and computing that are deemed substantially equivalent to the requirements set forth in the Sydney Accord. These HKIE-accredited engineering and computing higher diploma and equivalent programmes are fully recognised by other signatories, including Australia, Canada, Chinese Taipei, Ireland, Korea, Malaysia, New Zealand, South Africa, the United Kingdom and the United States. A total of 49 higher diploma and equivalent programmes are currently accredited by the HKIE.

During Session 2018/2019, the HKIE participated in the verification review of the Canadian Council of Technicians and Technologists (CCTT), a fellow signatory, in June 2019. The purpose of the review was to verify the accreditation system of CCTT and whether the outcomes of its engineering technologist programmes were substantially equivalent to that of other Sydney Accord signatories. The review team was chaired by a representative from ABET (US) with two members from the ECUK (UK) and the HKIE.