

# REPORTS FROM BOARDS AND COMMITTEES

## 2021/2022



**Ir Aaron BOK Kwok Ming**  
Chairman

### ADMINISTRATION BOARD

The Administration Board is responsible for interpreting, developing and implementing the Institution's policies regarding financial and administrative matters as well as for co-ordinating administrative functions involving more than one Committee under the Board. Appraising the Institution's administrative policies from time to time is also a central and fundamental role of the Board.

Following the launch of digital versions of the *Hong Kong Engineer* and the *HKIE Transactions*, the Board oversaw the Journal Editorial Committee's efforts to also make the digital version of the *HKIE Yearbook* available on the HKIE website from this year onward.

Meanwhile, the Board reviewed and amended the Composition and Terms of Reference of the Journal Editorial Committee to manage the termination of the contract with the Journal's external publisher. We also developed unified Composition and Terms of Reference for all HKIE Student Chapters and all HKIE Overseas Chapters respectively to enhance management.

The Board collaborated with the Digitalisation Monitoring Committee to monitor a series of digitalisation projects launched during the year, including the network upgrade, the installation of MS O365 for email system and document management system, the development of the room booking system, etc. The network upgrade and MS O365 for email system have been completed during the year while other projects are targeted to be completed in the next Session. More digitalisation projects will start in the coming years.

To meet the rapid changes in the investment environment, the Board again reviewed the investment guidelines with the Finance & Investment Sub-Committee and recommended a series of adjustments and delegations to achieve more effective and comprehensive investment policies and procedures.

In addition, the Board closely monitored changes related to the establishment of the Secretariat, the affairs of the *Journal* and the financial accounts of the Institution's *Yearbook*. The Board will continue to monitor the Institution's facilities and management issues.



**Ir David CHANG Chung Hung**  
Chairman

## Journal Editorial Committee

Tasked with overseeing *Hong Kong Engineer (Journal)* and *HKIE Yearbook*, the Journal Editorial Committee is dedicated to ensuring the quality of these publications and expanding their reach to make engineering accessible and relevant to all.

Offering readers a choice between a web version and a PDF version, the Committee's years of efforts succeeded in transforming the Journal into a free online publication with effect from August 2021.

Aiming to keep readers abreast of the latest development occurring in the local engineering industry while meeting the diverse interests of readers, we invited an additional eight government bureaux/departments and professional organisations to introduce their innovative breakthroughs in the Journal. To secure greater control of the publications' quality, the Committee began scrutinising the sponsored content this Session. As a result, the scope of sponsored content widened while becoming more inclusive and readers may now discover messages from

non-engineering-related organisations and companies. This arrangement gives the Institution greater flexibility and efficacy to support and advocate the good causes of charitable organisations. One example is the complimentary promotional ad placement we have offered to The Society for the Relief of Disabled Children and S.K.H. St. Christopher's Home.

To cater for the busy schedule of readers, we promoted in January 2022 a more convenient "listening" experience with Adobe Reader's "Read Out Loud" to facilitate content consumption anytime and anywhere.

In line with the Institution's digitalisation initiatives and the demands for sustainable practices, the *HKIE Yearbook* followed the Journal and was published in a digital-only format for the first time in 2022.

The Committee members' devotion and support were crucial to our achievements throughout the Session. The Committee will press ahead with new initiatives to uphold the high standards of the publications, which will remain key communication channels of the Institution for years to come.



**Ir Prof P L YUEN**  
Chairman

## Management Committee

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

The Committee is pleased to report that, for the 2021/2022 financial year, the Institution maintained its healthy financial position by generating a surplus of HK\$2.9 million as income reached HK\$60 million against total expenditures of HK\$57 million. The overall spending pattern remained broadly similar with last year's.

Meanwhile, in line with mechanism for reviewing membership fees, the Committee, after reviewing the Institution's financial

position with the Finance & Investment Sub-Committee as well as taking into consideration Hong Kong's current economic situation, recommended to maintain membership fees at their existing level for the 2022/2023 financial year. We also agreed to continue offering early bird discounts to all members whose subscription payments were made by cheques, cash or faster payment system before 1 April 2022.

The Committee worked closely with the Staff Resources Sub-Committee to review the salary structure of the Secretariat's staff as well as the titles of individual position to maintain our ability to attract new talent, retain our staff and further improve the quality of services to members.

During the year under review, we closely monitored staff costs against the budget to ensure that we maintained an appropriate level of service to support our members.



**Ir Dr Barry LEE Chi Hong**  
Chairman

## QUALIFICATION & MEMBERSHIP BOARD

During the Session, the Qualification and Membership Board continued its gate-keeping role in the qualifying process to maintain the quality of membership admission.

The Board strived to provide better services to members. In April 2021, we began issuing electronic membership cards to Student Members to replace their physical cards. The Board approved the extension of this service to Graduate Members, Companions and Affiliates from the financial year of 2022/2023.

In addition, the Board spared no efforts introducing various measures to make it easier for applicants to apply for Membership of the Institution and many initiatives put forward by the Task Force on HKIE Membership Application were implemented by the Board.

Launched in April 2022, the Mentorship Scheme offers mentor-to-mentee support for non-Corporate Members or other target participants looking to become Member or Associate Member of the HKIE. The Scheme is also available to existing members seeking to add an Additional Discipline. The Board also supported the publication of Examiner Reports that are now available on the HKIE website. Furthermore, the Board approved the Competence Profiles for Lift and Escalator Engineers Guidance for Applicants and Assessors in Control, Automation & Instrumentation and Mechanical Disciplines which are also available on the HKIE website to facilitate the applications for Membership from lift and escalator engineers. Finally, the Board approved a proposal – and the budget – to develop an online application tracking system for Membership applications.

The Competence-based Assessment for Associate Members was successfully launched in April 2022. To dovetail with the implementation, a new application form for Associate Members has also been introduced by the Board, which also approved revisions to the application forms for Student Members and Graduate Members.

Acting on the recommendation of the Structural Discipline Advisory Panel, the Board endorsed a proposal to strengthen the operations of Structural Examination. The Board also agreed to accept applications for Membership in Civil Discipline via all admission routes throughout the year.

In response to changes made in the Graduate Attributes and Professional Competencies of the International Engineering Alliance to align with the United Nations Sustainable Development Goals, the Board approved the formation of a Task Force on Review of HKIE Competence Standards. With the experience accumulated since the launch of the Competence-based Assessment for Corporate Membership in April 2019, the Task Force will also review existing competence standards for Membership whenever appropriate.

In this Session, a Mutual Recognition Agreement with the Guangdong Society for Electrical Engineering was signed with the support of the Board and approval of the Council. This Agreement was the first such mutual qualification recognition with our provincial-level counterparts in the Mainland. The current Reciprocal Recognition Agreement with the Institution of Mechanical Engineers was also extended.

This year has been a busy and fruitful year as the Board reviewed a total of 706 and 2,253 applications for Corporate and other classes of membership, respectively. The Institution has gone from strength to strength and membership stood at more than 33,500 as of August 2022.



**Ir Stephen CHIK Wai Keung**  
Chairman

## Education & Examinations Committee

During this Session, the Education and Examinations (E & E) Committee considered a total of 47 applications for individual assessment of academic qualifications for the class of Member. We accepted 24 cases as meeting the academic requirements for Members, while 23 cases were rejected. The E & E Committee also accepted the only application made for the class of Associate Member.

In the year under review, the Civil Discipline received 16 applications for academic assessment – the highest among the Disciplines – nine for the Structural Discipline and seven for the Building Discipline.

To help applicants meet the top-up recommendations for the graduate attributes “Ethics” and “The Engineer and Society” of the element “The Professional Engineer” under Complementary Studies, the E & E Committee is considering whether completing relevant online courses and materials, attending a half-day seminar/workshop organised by the HKIE and passing a written test could satisfy the requirements. With the support of the Qualification & Membership Board, the first seminar/workshop will be conducted as a pilot run for this initiative.



**Ir Allan CHAN Sau Kit**  
Chairman

## Fellowship Committee

The Institution’s highest membership class available for application, a Fellow is a senior member who is well-positioned to make major contributions to the affairs of the Institution, issues of public interest, learned society functions, and in the setting of qualification standards.

It is the policy of the Committee to assess each application based on individual merit, taking into full consideration each candidate’s circumstances. During the Session, the Fellowship Committee held six meetings and considered 66 applications, of which 63 were recommended for Fellowship.

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



**Ir LAU Chi Kin**  
Chairman

## Professional Assessment Committee

During this session, the Professional Assessment Committee (PAC) developed the *Guidelines for the Use of Computer for sitting written part of Professional Assessment*. An examination room with computers was subsequently set up in the HKIE Headquarters in January 2022 for that purpose.

In preparation for the implementation of the competence-based system for Assessment of Associate Membership in April 2022, the PAC reviewed the criteria for selection and assignment of Assessors, the template of the Competence-based Assessment Report for assessment and the Guidance Notes for Assessors for the class of Associate Member. The PAC further introduced a four-

year re-sit period for Associate Membership to align with the prevailing arrangements of the Professional Assessment (PA) for Membership.

To facilitate the participation of members in the Assessors training programme, the PAC supported the introduction of web-based Assessor training to replace face-to-face training. The e-learning platform and web-based Assessor training programme are under development and will be launched shortly.

With regards to the processing time of a PA application, the PAC obtained the approval of Qualification & Membership Board to fix a timeframe and will further discuss implementation arrangements in the next Session.



**Ir Alfred LEUNG Wai Ho**  
Chairman

## Quality Control Committee

The Quality Control Committee (QCC) held seven meetings during the Session and reviewed a total of 614 assessment results. The passing rate of the assessment results was 57% for the Session, compared with 59% for the previous Session.

During the Session, the QCC reviewed 36 appeal cases, upholding assessment results in 29 cases.

The QCC strove to achieve its mission of maintaining consistent professional assessments with high-quality standards across the Institution's 21 Disciplines and to uphold the standards of assessment for applicants via Reciprocal Recognition Agreements with other Institutions.





**Ir Dr Edward LO Wai Chau**  
**Chairman**

## Training Committee

The Training Committee focuses on training matters including the vetting and monitoring of the Scheme “A” Graduate Training and Formal Training Scheme to Associate Membership (AM Training).

To deliver AM Training in competence-based format, all documents relating to the HKIE Training Schemes were updated and published on the HKIE website in December 2021. The Committee informed all AM Training companies about the shift to competence-based format for AM Training and other relevant new measures. All AM Training trainees who begin their training on or after 1 April 2022 will need to use the new competence-based format.

Editable files of training logbooks for 21 Scheme “A” Disciplines and six AM Training Disciplines have been available for download from the HKIE website in September 2021 and December 2021 respectively. As of January 2022, trainees have the option to submit their Training Logbooks with entries written by hand or printed by computer in accordance with the rules for collecting the Training Completion Certificates.

In this Session, we processed 78 applications from 54 companies across 14 Disciplines through conducting 64 company visits and 14 paper evaluations. All visits but three were conducted in-person despite the pandemic. Meanwhile, the number of newly registered trainees reached

1,083 while 81 company representatives attended four Scheme “A” Workshops. We conducted five Engineering Supervisor Workshops and approved 162 members as Engineering Supervisors. In addition, we conducted re-assessment visits to the three “HKIE Approved Training Centres” – the Industrial Centre of The Hong Kong Polytechnic University, the Pro-Act Training and Development Centre of the VTC and The University of Hong Kong (Department of Electrical and Electronic Engineering) – in June 2022.

In parallel with the accreditation exercises conducted for four higher education institutions, we completed the discipline matching for 35 programmes to Scheme “A” Graduate Training.

We held a competition for Trainee of the Year Award 2021 and winners were presented with the awards during the New Members’ Reception cum Prize Presentation Ceremony held at the Hong Kong Convention and Exhibition Centre in June 2022.

We also implemented an annual sampling of trainees’ training records as part of the quality assurance mechanism of Scheme “A”. A Special Panel reviewed the training materials of 27 schemes submitted by 27 companies and made recommendations to each company about areas of improvement. Issues identified by the Special Panel are expected to inform upcoming Engineering Supervisor Workshops.



**Ir Eric MA Siu Cheung**  
Chairman

## LEARNED SOCIETY BOARD

The pandemic has continued to overwrite many plans of Divisions/Committees in the past Session, pertaining to not only the organisation of professional development activities but also the conduct of their AGMs within the stipulated timeframe.

In response to Divisions' concerns over the holding of AGMs physically during the fifth wave of the pandemic outbreak in Hong Kong, the Council approved the proposal of postponing the HKIE AGM to 24 August 2022, and in this light, the Division AGMs were postponed accordingly. Subsequently, all Division AGMs were successfully held between June and mid-July 2022. Further, Divisions/Committees also managed to deliver more than 420 learned society activities in various modes during the reporting period.

To build and strengthen our student networks, the Council approved, on the recommendation of the Board, the establishment of two new Student Chapters at the College of Professional and Continuing Education of the Hong Kong Polytechnic University and the Hong Kong Institute of Vocational Education (Tuen Mun) respectively in the next Session. To ensure more effective monitoring of the operation of Student Chapters, the Board agreed that the new Student Chapters be required to undergo a probationary period of two years, during which their performance and

suitability for continued operation would be monitored. The Young Members Committee was also invited to assist in reviewing the performance of the existing Student Chapters for the Board's consideration in the coming Session.

Additionally, to deal with the difficulties reflected by committee members of Student Chapters in recruiting student members and securing venues for organising activities, the Board agreed to appoint an Advisor to provide support for the operation of each Student Chapter within the respective higher education institution (HEI) and assist in the collection and endorsement of Student Member applications. I am pleased to report that all Student Chapter Committees formed in the Session were appointed an Advisor, who is a faculty member of the HEI and an HKIE member.

As a learned society, fostering sustainable and collaborative relationships with engineering institutions around the globe has always been a key priority of HKIE. During the Session, the Council approved the renewal of the Agreements of Co-operation with American Society of Civil Engineers, China Association of Science and Technology, Institution of Civil Engineers, Institution of Engineers (India) and The Institution of Engineering and Technology. Some of our Divisions also strengthened co-operation with their counterparts in Hong Kong and mainland China by establishing new agreements or renewing existing ones.



**Ir Prof Adam CHOY Siu Chung**  
Chairman

## Conference Committee

Despite the challenges arising from the COVID-19 pandemic, the Institution participated in the organisation of two regional events during the Session.

Jointly organised with the Shanghai Association for Science and Technology (SAST), the 2021 Shanghai and Hong Kong Symposium on Science and Technology was held on 21 October 2021, with the SAST acting as host. Held in a hybrid mode, the Symposium was attended by more than 300 delegates from the two cities. A total of 24 presentations were made, including three keynote speeches which were delivered by keynote speakers from Shanghai, the Hong Kong SAR and the Macau SAR. The Symposium provided an

excellent opportunity for engineers in Hong Kong and Shanghai to foster collaboration and exchange technical knowledge and information.

Hosted by the Korean Institute of Electrical Engineers and co-organised by the Chinese Society for Electrical Engineering, the Institute of Electrical Engineers of Japan and the HKIE, the ICEE Conference 2022 was held from 28 June to 2 July 2022 in Seoul, Korea. Conducted in hybrid mode, the Conference was well attended, attracting 537 delegates from 14 countries and regions. 371 papers covering a wide range of topics were shared during the Conference. The next ICEE Conference will be hosted by the Institution in Hong Kong in July 2023.



**Ir Sidney TONG Pui Keung**  
Chairman

## Construction Dispute Resolution Committee

The Construction Dispute Resolution Committee (CDRC) continued to promote alternative dispute resolution mechanisms such as adjudication, arbitration and mediation. The CDRC also offered training programmes on these techniques to engineers.

In April 2022, we held the Expert Witness Training for a second consecutive year which again generated a lot of interest among members. In July 2022, we also held the Adjudication Training, which was also well-received.

With the objective of establishing CDRC's thought leadership in the use of alternative dispute resolution mechanisms, the Committee successfully applied for funding from the Professional Services Advancement Support Scheme (PASS) in February 2022. The project – titled "Benefits of Adopting Dispute Resolution Mechanism for Construction Industry in Hong Kong and the Greater Bay Area" – features the hosting of a one-day international conference in

August 2022 and two half-day seminars in November 2022 and February 2023 respectively. The line-up of speakers for the international conference includes distinguished industry professionals from the U.K., Singapore, and mainland China.

The Committee also represented the Institution in matters relating to the Construction Industry Security of Payment (SOP) Legislation. Comments on the consultation draft of the SOP Bill were consolidated and submitted to the Development Bureau. Moreover, the Committee also successfully applied on behalf of the Institution to be admitted to the Register of Adjudicator Nominating Bodies to prepare for the implementation of Security of Payment Provisions in public works contracts.

The Committee will continue developing initiatives aimed at promoting knowledge sharing while exploring collaboration opportunities and fulfilling its advisory role on policy-making to further promote the use of alternative dispute resolution mechanisms in the construction and engineering sector.





**Ir Paul CHAN Yim Cheong**  
Chairman

## Continuing Professional Development Committee

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.

From 2022 onwards, members are required to meet the “Guidance Notes for Mandatory Continuing Professional Development (CPD) for Corporate Members” (June 2021) to fulfill CPD requirements. In addition to existing requirements, Members are also required to attend at least three hours per year of CPD activities related to Health and Safety. The maximum hours allowable for claiming CPD hours from self-learning activities is set at ten hours.

With the support of 14 CPD course providers, the Committee offered around 860 courses covering health & safety, technical matters and general professional subjects in 2021. These activities attracted around 600 participants. We set up a Task Force on Improving the Offering of CPD Courses to review the status of CPD courses curated and disseminated under CPDC, and to propose measures to boost participation rate in CPD courses. The Task Force proposed a new fee mechanism to encourage course providers to continuously review courses suitable for members. The new “Agreement for Services” will be effective for courses offered from 2023 onwards.

The Committee and the Hong Kong Business Ethics Development Centre (HKBEDC) of the Independent Commission Against Corruption (ICAC) jointly developed e-learning materials for members in the construction industry. The E-learning course and accompanying online feature articles were introduced to members in April 2022.

The Committee successfully co-organised nine CPD activities with the Young Members Committee (YMC) during the Session despite the prolonged impact of COVID-19.

The Task Force on Additional CPD Activities also successfully organised four CPD activities in March, April and May 2022, including “Smart Technologies Driving Sustainable Smart Cities”, “BIM and its Engineering Applications” Part I and Part II, and “探知大灣區網上研討會 (第二回)”. These activities attracted over 2,900 participants altogether. Meanwhile, the Committee also accepted to form a task force to organise topical CPD activities to better serve members.

CPD has been a mandatory requirement for Corporate Members since 1 January 2006. From 2019 onwards, the Committee has been auditing Members’ CPD to verify compliance. The audit on members’ CPD attainment in 2020 has been completed and 115 out of 144 cases reviewed were found to be in compliance.



**Ir Prof Michael LEUNG Kwok Hi**  
Chairman

## HKIE Transactions Committee

Thanks to the concerted efforts of the HKIE Transactions Committee and the Editorial Panel – and the selfless support from the Secretariat – the *HKIE Transactions* continued to publish papers across a diversity of engineering disciplines in this Session. A reference for practising engineers and academia, *HKIE Transactions* provides a platform enabling professional knowledge exchange between engineering communities from around the globe.

Each June, the *HKIE Transactions* covers a hot engineering topic as part of its Theme Issue. This year, the Committee was honoured to have Professor Wing-kuen LING – the Hundred-people-plan and Young-thousand-plan Distinguished Professor of Guangdong University of Technology – as Guest Editor for the Theme Issue on “AI for Smart Applications”.

The Committee is also pleased to report that the 2023 Theme Issue will focus on “Construction by Smart and Innovative Techniques”. Professor Wei PAN – Associate Vice-President (Research and GBA), Associate Dean (Masters) of the Faculty of Engineering of The University of Hong Kong, Executive Director of the Centre for Innovation in Construction and Infrastructure Development (CICID) and Professor at the Department of Civil Engineering – has kindly agreed to act as Guest Editor for this issue.

The Committee always strives to expand focused paper sources. Besides the usual Theme Issue published every June, the Committee will publish a Special Issue on “Innovations and Technologies for Carbon Neutrality” in 2023. Ir Professor Christopher CHAO, Vice President (Research and Innovation) and Chair Professor of Thermal

and Environmental Engineering of The Hong Kong Polytechnic University has already agreed to act as Guest Editor for this Special Issue.

With the support of the Learned Society Board, the Committee adopted a new publishing schedule for *HKIE Transactions*. Effective from 2023 onwards, the new schedule will help maintain around-the-year visibility while enhancing traffic to its website. Instead of getting four quarterly issues each year, interested individuals can expect to see fresh papers in the journal every month.

Each year, the Committee holds two awards: The HKIE Best Transactions Paper Prize, which recognises outstanding papers published in the *HKIE Transactions* during that year and the HKIE Outstanding Paper Award for Young Engineers/Researchers, which encourages young engineers and researchers to advance in their professional fields. This year, two exceptional papers were awarded the HKIE Best Transactions Paper Prize 2021, while one distinguished paper received the HKIE Outstanding Paper Award for Young Engineers/Researchers 2021. The awarded papers – together with four shortlisted papers for the Outstanding Paper Award – were published in the *HKIE Transactions* in December 2021. Normally, awardees of the Outstanding Paper Award would be invited to share their findings and exchange insights with participants at a public lecture but, due to the pandemic, the public lecture was postponed until 2022.

The Committee would like to thank our group of international intellectuals including Editors, Associate Editors, Transactions International Advisors and paper reviewers for their hard work and selfless dedication. The Committee will continue to uphold its professional standards and strive to further improve the journal.



**Ir Bobby NG Mang Tung**  
Chairman

## Public Service Committee

The Public Service Committee endeavours to promote the Institution and the engineering profession to the public by implementing and reviewing ongoing activities as well as developing new initiatives.

During the Session, the Committee continued to contribute professional views on engineering-related issues and matters of public concern in response to invitations from the Government and other public organisations. We also coordinated the nomination of HKIE members upon request from external boards and committees.

To enhance the transparency of the nomination process and allow for the participation of more members with relevant expertise, the Standing Vetting Panel of the Committee proposed a new mechanism for inviting and handling self-nomination requests of all HKIE members via the Divisions/Committees. An online platform is to be developed to facilitate the handling of the self-nomination requests received by the Divisions/Committees, including the viewing, approval and retrieval of the contacts of potential candidates. The proposed mechanism was endorsed by the Learned Society Board and approved by the Council for implementation in the coming Session.

To help promote engineering to students, the Committee appointed a Task Force for Migration of Engineers Cadet Club Programme (ECCP) into School Ambassador Programme (SAP) to develop and coordinate strategies. Migrating the ECCP into SAP will also centralise resources dedicated to promoting the engineering profession to primary and secondary schools. The merged programme is

expected to strengthen our outreach efforts to students and young people by identifying initiatives to augment their interest in engineering and STEM experiences.

The Institution also collaborated with the Education Bureau to organise seminars for secondary school teachers and students to help them gain a better understanding of engineering. Invited by the Yan Chai Hospital Board, the Young Members Committee helped run a booth for the Institution at the Yan Chai STEM Fair held in July 2022 to promote STEM. The Committee's Working Group on Publicity Activities was also instrumental in inviting Divisions/Committees to contribute short videos and disseminate them online to foster the interest of the public about engineering.

Despite some disruption in our schedules due to schools being closed during the pandemic, our School Ambassadors delivered 739 talks to more than 4,136 students from 36 primary, secondary and university students either physically or virtually. To further showcase the achievements of engineers and highlight their contribution to the development of Hong Kong, we revamped the website of the Hone Kong Engineering Archive and invited Government departments to submit distinguished engineering projects for inclusion in the Archive. As an ongoing initiative of the Institution, we coordinated editorial contributions from Divisions and Committees for publishing on the Classified Post Website and JobsDB Online Platforms to promote our profession to the public. The Institution also participated in the Education and Careers Expo held on 15-18 July 2021 and the HKIE booth welcomed around 630 visitors during the event.



**Ir Prof P L YUEN**  
**Chairman**

## PLANNING COMMITTEE

The Planning Committee contributed to the review and formulation of the Institution's long-term strategies while overseeing its development plans in accordance with its strategic objectives.

The theme of Session 2021/2022, "The HKIE – Time to Change", acknowledges the need to rejuvenate the Institution so as to cope with both internal and external challenges. Through the conduct of an extensive engagement of HKIE members and stakeholders as well as a benchmarking exercise conducted over a period of nearly one year, the Institution celebrated the successful completion of the development of a Time to Change Roadmap. Featuring scheduled milestones to be implemented in the upcoming years, it will guide the Institution's change across five key areas: Pursuing Digitalisation, Enhancing Service to Members, Boosting Professionalism, Facilitating Innovation and Undertaking Governance Review.

Established in the last Session to support Hong Kong's innovation and technological development, the Enginpreneurs Hub continued to organise webinars for members, inviting speakers from incubation

centres in the Greater Bay Area (GBA) to share their insights and make actionable proposals for pursuing innovation in the GBA. Furthermore, a Memorandum of Understanding will also be signed with Cyberport. Intended to help our engineers unleash their innovative ideas, the scheme will facilitate access to Cyberport's Creative Micro Fund Programme and enable participants to follow a trial pathway toward eventually launching their ventures without having to quit their daytime jobs.

Aiming at enhancing the professional image of engineering with the general public, the Institution launched the "What do engineers do?" campaign. Broadcast on the HKIE Facebook and Instagram pages – which were introduced in this Session – as well as on the HKIE's YouTube channel, a series of short videos showcasing the work of engineers were released on a weekly basis.

The Committee also reviewed the Institution's strategies in accordance with the timeframe and flowchart of the planning cycle. It endorsed the Three-Year Rolling Plan for Sessions 2022/2023 to 2024/2025 as well as the new initiatives prepared by the three Vice-Presidents for the coming Session.



**Ir Ringo YU Shek Man**  
Chairman

## ACCREDITATION BOARD

As a signatory of the Washington Accord (WA), the HKIE is recognised internationally for accrediting engineering degree programmes in Hong Kong. Currently, the HKIE has accredited 104 engineering degree programmes, including three in Macau.

Despite the widespread impact of COVID-19, the HKIE evaluated 43 engineering degree programmes offered by local higher education institutions (HEIs) during the Session 2021/2022. We highly appreciate the selfless dedication of members of Visiting Teams and the Secretariat's staff for their willingness to conduct physical on-site visits featuring a large volume of complex documents to the HEIs during the pandemic. The assistance and commitment of the HEIs were equally important for the successful completion of these accreditation exercises.

Each WA signatory is required to undergo a periodic review to ensure the continuing robustness of the signatory's accreditation system and to confirm that the outcomes of its accredited engineering degree programmes remain substantially equivalent to those of other signatories. The HKIE underwent a Periodic Review in 2021. Consisting of three representatives – one each from Australia, Malaysia, and Singapore – the WA Review Panel observed the Board meeting in October 2021 and made online accreditation visits to the University of Hong Kong and City University of Hong Kong in November 2021. The signatory status of the HKIE under the WA

was subsequently approved for another six years to 2027/2028 in the Washington Accord Closed Business meeting held in June 2022.

Following the incorporation of the United Nations Sustainable Development Goals to the updated International Engineering Alliance (IEA) Graduate Attributes, the Board formed a Task Force on "Review of HKIE Graduate Attributes" to propose possible changes to the HKIE Graduate Attributes to align with the updated IEA Graduate Attributes.

Noting the trend of increasing cross-border collaboration for joint degree programmes, the Board published the Guidelines for Evaluating Joint Programmes across Jurisdictions.

To demonstrate our continued commitment to providing quality accreditation service, the Board engaged Professor Daina BRIEDIS – a Board member since Session 2017/2018 and an experienced ABET Trainer and Evaluator – to conduct a virtual training workshop for members of the Visiting Team during the Session. The workshop, which was well received by participants was the first attempt by the Board to organise a virtual workshop. Given this initial success, we will continue hosting workshops for members of accreditation visiting teams in the coming Sessions.

The Board is committed to achieving the highest standard in programme accreditation and will continue to maintain a close working relationship with the HEIs.





**Ir CHANG Che Son**  
Chairman

## Accreditation Committee for Computer Science Programmes

The Accreditation Committee for Computer Science Programmes evaluates and makes decisions related to the accreditation of computing and IT-related degree programmes in Hong Kong.

During the year, we conducted two accreditation exercises to evaluate five computing and IT-related degree programmes offered by universities. We successfully arranged physical on-site visits together with online interviews with stakeholders and students during the COVID-19 pandemic and commend both the professionalism of the members of the Visiting Team as well as the unreserved support of the universities. A total of 16 computing and IT-related degree programmes are now accredited by the HKIE.

Since 2009, the HKIE has been a signatory of the Seoul Accord, an international

agreement among agencies responsible for the accreditation or recognition of tertiary-level computing and IT-related qualifications. The HKIE accredits computing and IT-related degree programmes considered to be substantially equivalent to the requirements set forth in the Seoul Accord. The computing and IT-related degree programmes accredited by the HKIE are thus fully recognised by other signatories of the Seoul Accord, including Australia, Canada, Chinese Taipei, Japan, Korea, Mexico, the United Kingdom and the United States.

In accordance with the rules and regulations of the Seoul Accord, each signatory is required to undergo a periodic review every six years to ensure that its accreditation system and the outcomes of its accredited computing and IT-related programme 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.



**Ir Steven LAI Kam Hung**  
Chairman

## Accreditation Committee for Higher Diploma Programmes

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

Since 2003, the HKIE has been a 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 which 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 of the Sydney Accord, including Australia, Canada, Chinese Taipei, Ireland, Korea, Malaysia, New Zealand, South Africa, the United Kingdom and the United States.

During the Session 2021/22, we evaluated seven higher diploma programmes offered by the Hong Kong Institute of Vocational Education (HKIVE). We highly commend the members of the Visiting Team for their dedication and willingness to conduct a physical site visit of the HKIVE. Currently, the HKIE has accredited a total of 37 higher diploma and equivalent programmes.