

Electronics Division

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Chairman's Annual Report 2025/26

Reported by Ir Dr. SHUM Yu Hing, Chairman, Session 2025/26



Overview

It is my honour to serve for the 2nd year as the Chairman of the HKIE Electronics Division this session. I would like to present this Annual Report to our members this evening at the Annual General Meeting.

The Electronics Division has achieved another continual fruitful success in this Session. We have organized and co-organized altogether seven events (webinars, seminars, visits and AGM) plus three more to be organized in Apr to June before the end of this session, with topics ranging from Low-Altitude Economy (LAE), AI Technologies and its Application, Information Security, and Legal Disputes. We also supported eighteen events to provide our members to enrich and expand their knowledge of electronics technologies in other related engineering contexts, e.g. International Standard, Healthcare and Mobility, under the Smart City Innovations development. A detail activity list is shown in the Appendix I.

It is a genuine honor to work alongside this Committee. Your steadfast dedication to our shared mission is a testament to your remarkable teamwork and selfless spirit. It is this very spirit that propels us toward our most meaningful achievements. My sincere thanks to each of you for being such an invaluable, energetic, and supportive team.

Electronics Bootcamp 2025

The bootcamp was successfully held on 16 Aug 2025 (Sat) at the Jockey Club Campus (JCC) of Hong Kong Metropolitan University (HKMU). It aims to promote the STEAM education and the Electronics Discipline among students by providing hands-on experience for secondary school students to understand ***AI for Object Recognition***. The students learned how to train computer vision AI model from scratch, built and deployed MCU-compatible (ESP32 with Arduino) AI model, and successfully classified different physical objects in real-time. Twenty shortlisted teams from secondary school were provided with kit for half day AI workshop in the morning, train the AI module and target to use their AI module to accomplish the challenges. Challenging tasks were announced in the afternoon and students made use of their AI kit to challenge the tasks as far as practicable. All participants were provided certificate according to the tasks accomplished with their AI kits. I would like to say thank you to the Organizing Committee, the venue sponsor, School of Science and Technology (SCT) of HKMU and the Silver sponsor, CLP Power Hong Kong Limited. Without these supports, the event would not be as successful. It would not achieve our goal of promoting electronics technologies to young people and raising their interest in this fast-evolving engineering sector.



Group Photo - END Committee, Sponsors and Participants



Group Photo – Winners, END Deputy Chairman (Ir Andy Lam, 1st from left) and Sponsor (Ir Dr John Chan, 5th from left)

Hong Kong Electronics Project Competition 2026 (HKEPC2026)

The first of this competition was held in 2016 under the name of IoT Competition and it was then organized as bi-annual event since 2017. This year is the 6th times to hold this event at the Jockey Club Campus (JCC) of HKMU on 18 Apr 2026 (Sat). To echo with the latest worldwide technology development, the theme is “*Mastering Artificial Intelligence in the Sustainable Development of Smart Cities*”. There were 14 teams and 30 teams (20 from Universities and 10 from IVE) submitted application in the both Industry and Tertiary Education category respectively. Only 8 Industry teams and Tertiary Education 16 teams (11 from Universities and 5 from IVE) were screened to admit into the final round. Besides the Champion, First Runner-up, and Second Runner-up prizes, there are also the Smart Technology Application Award for Sub-degree teams, the IDex (IEEE2668) Award, and the AI Award for projects that meet the relevant requirements and achieve the highest score in the corresponding assessment.

Hong Kong Electronics Symposium 2026 (HKES2026)

The 14th annual flagship event “Hong Kong Electronics Symposium 2026” will be held on 11 May 2026 (Mon) at the Royal Plaza Hotel. In the latest Policy Address announced by our Chief Executive, Mr. John LEE, in Sep 2025, the HKSARG will promote the Development of AI and Data Science Industries by establishing the Hong Kong Artificial Intelligence Research and Development Institute within 2026, launching AI Flagship Projects in 2026-27 and 2027-28 progressively to use AI and gradually implementing the “AI Patient Risk Prediction System”. To echo these new initiatives, the Organizing Committee discussed and finalized the theme as “*The Next Generation of AI: Powering Mobility and Innovation*”. We are very honored to be able to invite heavyweight speakers to join the Symposium, including two senior Hong Kong SAR Government officials as keynote speakers, namely, Mr. Yee Wai

Daniel CHEUNG, Acting Commissioner for Digital Policy in the morning, and Ir Vincent CHOW, Acting Director of the Electrical and Mechanical Services Department in the afternoon. A special thanks to Ir Prof Frank CHAN, HKIE Senior Vice President, and Prof. Cairong ZOU, Chairman of GuangDong Institute of Electronics (GDCIE), who will deliver the Opening Speech and Video Address respectively. I would like to express my sincere appreciation in advance to our sponsors, speakers, and delegates for their participation, and especially to the Organizing and Steering Committees, which has worked wholeheartedly behind the scenes. I believe our Symposium could present the latest AI technologies and applications, especially in mobility, and the corresponding industrial standards to inspire and provide valuable insights to participants on the way forward in this challenging technology development for smart cities.

Collaboration in Mainland

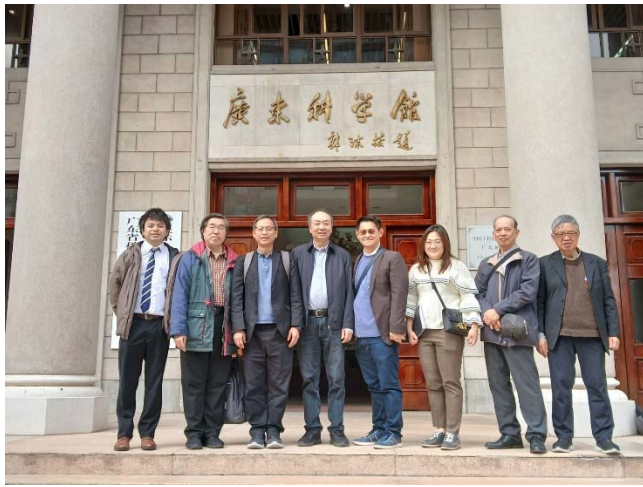
Continuing with the MOU signed in Jun 2024 between our Division and GDCIE, the 2nd meeting with GDCIE was held in the morning on 29 Dec 2025 (Mon). Both institutions exchanged the latest updates on activities and progress of reciprocal recognition of professional qualifications. Moreover, some ideas on future event collaboration are also discussed, e.g. participation of HKEPC and HKES from GDCIE members and mainland companies.



Group Photo – GDCIE and HKIE END Representatives



Souvenir presentation – Ir Dr YH Shum (HKIE END Chairman) and Prof Cairong ZOU (Chairman of GDCIE)



Group Photo at GDGAST building



Souvenir presentation – Ms Zhou Youying (Vice Chairlady of GDCAST) and Ir Dr YH Shum (HKIE END Chairman)

Other Learned Society Activities

Following the past practice, the Division continued to co-organize and support activities with our peer learned societies and organizations, like CAFEA, LSCM, EMSD, ITS-HK, IET Hong Kong, HKETA, HKPC, HKMU, VTC, etc. Our Division was also active in various External Boards, like the VTC Electronics and Telecommunications Training Board (ECTB) and Innovation and Technology Training Board (ITTB), OFCA Telecommunications Regulatory Affairs Advisory Committee (TRAAC), OFCA Radio Spectrum and Technical Standards Advisory Committee (SSAC), Advisory Committees of CUHK, Development Bureau Appeal Board, Appeal Board Panel of the Amusement Rides (Safety) Ordinance on Home and Youth Affairs Bureau (HYAB), etc. We will continue to play our professional role in the industry and contribute our professional advices to the society.

Annual Dinner 2026

The Annual Dinner is scheduled to be held in the Royal Plaza Hotel on 15 June 2026 (Mon). It would be a good opportunity for industrial practitioners, professors of universities, staff of educational institutions, and members of HKIE and other professional institutions to connect and strengthen the industrial network. As with past successful events, we have received support from various important individuals and organizations, e.g. Legislative Councillors, government representatives, academics, professionals from learned societies, trade associations, utilities, and electronics & communications companies. As one of our flagship social events, I am confident it will foster beneficial discussions, networking and relationships across the engineering community.

Forward Planning

I am happy to report that we have continued a structured succession plan with more young engineers joining the committee in contributing to the engineering society. Moving forward, the Electronics Division will promote both electronics and communication technology in recognizing its increased role in multi-discipline of engineering. On the other hand, it is my pleasure to advise you that the Division continued to maintain a healthy financial status, and we will continue to ensure efficient utilization of our resources to enable the success in promotion of activities to the youngsters and encourage future generation in joining the electronics and communication industry.

Conclusion

In closing, I must offer my most heartfelt thanks to our extraordinary committee members and volunteers. Your dedication over this past year has been nothing short of inspiring. The Division has thrived because of your unwavering support and active participation; every achievement is a testament to your collective effort. I am filled with confidence that, with this incredible team, we will continue to drive meaningful progress for the electronics and communication industry across Hong Kong and the Greater Bay Area in the year ahead.

As I will step down after this Session, I sincerely wish you all to keep on your momentum, striving for continuous excellence together in the coming session led by the incoming Chairman, Ir Andy LAM !

I am looking forward to your continuous support in the coming session.

Thank you all for your dedication.

Appendix 1: List of Activities – Electronics Division HKIE (Session 2025/26)

No.	Activity	Schedule	Status	Venue / Speaker	Organizer	Role of END
1	International conference of NCAA 2025	4-6 Jul 2025	Completed	Hong Kong Metropolitan University	Hong Kong Metropolitan University	Supporting
2	International conference of CI 2025	4-6 Jul 2025	Completed	Hong Kong Metropolitan University	Hong Kong Metropolitan University	Supporting
3	Visit to CLP Pulse	18 Jul 2025 (4:30-5:30 pm)	Completed	CLP Pulse, 147 Argyle Street, Ho Man Tin, Kowloon	HKIE END	Organizer
4	5th CAFEA Young Talent Smart City Forum	18-19 July 2025	Completed	Cyberport	CAFEA	Supporting
5	ITS Forum 2025	31 July 2025	Completed	Hong Kong Polytechnic University (PolyU) Chiang Chen Studio Theatre	Co-organised by ITS-HK & PolyU	Supporting
6@	Global AI Challenge for Building E&M Facilities 2025	8 Aug 2025	Completed	Grand Hall, Hong Kong Science Park, Hong Kong	EMSD, Guangdong Provincial Association for Science and Technology	Supporting
7@	A Prospective on Intelligent City with case for LAE and AI-IoT	13 Aug 2025	Completed	Chan Yat Mei Sophie Room, 9/F HKIE / Dr Daniel LAU, Chief Engineer & Scientist, Apex Sphere Ltd.	HKIE END	Organizer
8@	Electronics STEM Bootcamp	16 Aug 2025	Completed	Hong Kong Metropolitan University, Jockey Club Campus (JCC), 81 Chung Hau Street, Homantin, Kowloon	HKIE END	Organizer

No.	Activity	Schedule	Status	Venue / Speaker	Organizer	Role of END
9@	IET Wireless Symposium - Wireless Horizon: Innovations in Smart City through AI, Healthcare and Mobility	19 Sep 2025	Completed	Cordis Hong Kong Hotel, Mong Kok, Kowloon	Electronics and Communications Section, IET Hong Kong	Supporting
10@	Applications of Spatial Awareness Technology	29 Sep 2025	Completed	Chan Yat Mei Sophie Room, 9/F HKIE / Dr MK IEONG, Chairman of Simbury InnoTek Limited and Simbury Limited	HKIE END	Organizer
11	LSCM Logistics Summit 2025	10 Oct 2025	Completed	Hong Kong Science Park, Conference and Exhibition Hall	LSCM	Supporting
12	Symposium on Innovation & Technology 2025 - Advancing Innovation Through Collaboration: Robotics Across Land, Sea, and Sky	13 Oct 2025, 10:30AM – 12:45PM	Completed	The Theatre, Convention Hall, HKCEC	HKETA	Supporting
13@	Technological Development of Stack-based AI Agent	14 Oct 2025	Completed	Chan Yat Mei Sophie Room, 9/F HKIE / Ir Prof. Alan LAM, CEO of Gravity Capital Partners Co Ltd	HKIE END	Organizer
14	Electronic Forum	13-16 Oct 2025	Completed	HKCEC	HKTDC	Supporting
15@	AI-Powered Monitoring and Smart Inspection in Construction seminar	13-16 Oct 2025	Completed	HKCEC	ECTB / VTC	Supporting
16	Innocarnival 2025	18-26 Oct 2025	Completed	Hong Kong Science Park / Mr. Terry WONG	ITC	Supporting
17@	AI for Critical Care and the Untold Story of Hong Kong's GPGPU Revolution	19 Jan 2026	Completed	HKIE HQ James Chiu & Draggages Room/ Prof CS LEUNG, Dept of Electrical Engineering, CityU	HKIE END	Organizer

No.	Activity	Schedule	Status	Venue / Speaker	Organizer	Role of END
18 @	筑牢数字安全基石 赋能新质未来发展—— 京港网络安全联合赋能培训方案」	29 Jan 2026	Completed	HKIE 9/F James Chiu & Dragages Rooms	Beijing Cyber Security Association	Co-Organizer
19	Development of Common Spatial Data Infrastructure for Smart City	25 Feb 2026	Completed	Chun Wo & Hsin Chong Room, HKIE	HKIE Associate Members Committee	Supporting
20	Fostering Hong Kong's Low-Altitude Economy: Innovations, International standards and New Quality Productive Forces	31 Mar 2026	In progress	HKPC Theatre 1	HKPC	Supporting
21	Machine Learning for Enterprise Knowledge Management 2026	2 Apr 2026	In progress	Inno2, 2/F, Building 17W, Hong Kong Science Park	Machine Learning Institute for Enterprise Knowledge Management Limited, AIKm	Supporting
22	Sharing session on Start-up Entrepreneurship	13 Apr 2026	In progress	HKCEC	ECTB / VTC	Supporting
23	Electronics Division AGM 2026 (Talk - From Project Decisions to Legal Disputes : How Project Management Choices Create or Avoid Legal Risk)	15 Apr 2026	In progress	HKIE HQ Chan Yat Mei Sophie Room, 9/F/ Mr. Albert LEUNG, Acting CEO & CTO, eBRAM International Online Dispute Resolution Centre	HKIE END	Organizer
24	Hong Kong Electronics Project Competition 2026 (HKEPC2026)	18 Apr 2026	In progress	Hong Kong Metropolitan University, Jockey Club Campus (JCC), 81 Chung Hau Street, Homantin, Kowloon	HKIE END	Organizer
25	Hong Kong Electronics Symposium 2026 (HKES2026)	11 May 2026	In progress	Grand Ballroom, Royal Plaza Hotel	HKIE END	Organizer

No.	Activity	Schedule	Status	Venue / Speaker	Organizer	Role of END
26 @	IET Symposium on From Automation to Autonomy: The Ultimate Challenge to Corporate Management in the AI and Humanoid Era	22 May 2026	In progress	Cordis Hong Kong Hotel, Mong Kok, Kowloon	IET Hong Kong Management Section	Supporting
27 @	AI Lab tour	May/Jun 2026	Pending	HKU	HKIE END	Organizer
28	Electronics Division Annual Dinner 2026	15 Jun 2026	In progress	Grand Ballroom, Royal Plaza Hotel	HKIE END	Organizer