



The Institution of
Engineering and Technology

The Institution of Engineering and
Technology Hong Kong
工程及科技學會香港分會

Chairman's Message

The IET is governed by an elected Board of Trustees which manages the property and affairs of the organisation in accordance with the Royal Charter and Bye-laws. The Board of Trustees is supported by a number of Main Boards and Committees. Reporting to the Volunteer Engagement Board, the Communities Resourcing Committee (CRC) is the overarching group responsible for leading the work of the IET's volunteer communities around the world, including its Local and Technical Networks. IET Hong Kong is one of the Local Networks within Asia Pacific Region managed by the Communities Committee – Asia Pacific (CC-AP). The purpose of each CC is to: -

- facilitate communications between all communities;
- ensure that the work the communities do is aligned to the IET's strategy;
- allocate resources to the communities including annual budget;
- monitor the communities' performance.

Besides my role as the Chairman of IET Hong Kong for the current session, I am pleased to be appointed as member of CC-AP since Oct 2021. In late 2021, the CC-AP revamped the team structure and established a set of strategy for the CC to translate the IET Strategy 2030 into practice and to better serve the Communities and all LNs. Amongst the priorities, the CC-AP expects all Local Networks to align their strategic direction with IET and focus its efforts to contribute maximum impact on the following five big societal-wide challenges, namely:

1. Healthy Lives - Helping people live healthier lives
2. Digital Futures - Helping improve people's lives through technology
3. People-centric Infrastructure - Helping ensure that the future has infrastructure that is based around human needs

4. Productive Manufacturing - Helping manufacturing become more efficient and effective to meet people's future needs
5. Sustainability and Climate Change - Helping the planet through sustainable living

Across the 5 societal challenges, you can easily find a common theme on "people" and "living" which are making good sense of IET's purpose in engineering a better world for the next generation. To make it happen, it requires concerted efforts across different disciplines of engineering and technology, to develop solutions and share knowledge that helps addressing the mentioned societal challenges. CC-AP will also co-ordinate, guide and support the LNs to have better governance over the planning, resourcing and evaluating technical events. To leverage my role between IET Hong Kong and CC-AP for stronger collaboration and engagement, the key messages will be conveyed to all Sections and YMS in prioritising their resources in organising and promoting activities along these strategic focuses. I look forward to hearing your voice, no matter in improving the community service by IET Hong Kong or any suggestion in strengthening the support from CC-AP to HKLN.

Last but not the least, I would like to thank all volunteers and office colleagues for continuing their dedication in planning and organising online events during the 5th wave of COVID-19 pandemic. Although the situation seems improving, yet we must always keep vigilant to ensure our community and fellow members are well protected at all time.



Keith Chan
Chairman of Session 2022, The IET Hong Kong
CC-AP Member, The IET
June 2022

IET Hong Kong dragon boat race 2022 – Recruitment of Paddlers

Established in 2005, the IET Hong Kong dragon boat team has been racing in Hong Kong waters including Stanley, Shatin, Sai Kung, Tai po and Mui Woo over the past years and is in the process of recruiting new members for races scheduled for 2022!

In 2022, the IET Hong Kong dragon boat team plans to participate in the Shau Kei Wan scheduled on 9th October, the Tai Po race scheduled on 16th October respectively!

Land-based training is scheduled to commence on Sunday, 7th August at Tseung Kwan O Sports Ground at 11:00am for land-based exercises and boating from noon till 2:00pm in nearby waters, gradually building up the strength, stamina and team work for this physically demanding sport!

Dragon boating is one of the fastest growing and most exciting water sports you can take part in Hong Kong, and the event is widely covered by public media both locally and internationally!

Dragon boating has deep cultural ties, evidenced by the ceremony and ritual surrounding the races, IET's participation in



local races will facilitate a positive interaction with the community and provides a platform to foster sportsmanship and team development among members!

Interested member please contact Johnny Leung at 9380 9240 or johnnyleung@virtualelectronics.com for more detail!

Webinar on Professionalism Sharing and Membership Drive

Date: 23 March 2022

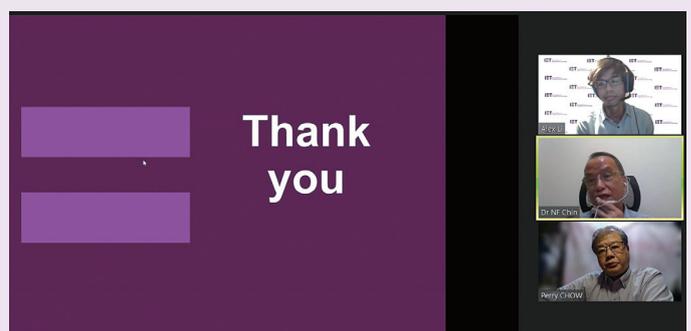
The webinar on Professionalism sharing and Membership Drive was successfully held in the evening of 23 Mar 2022 by the Railway and Transport Section (RTS) of the IET Hong Kong with 94 members and 71 non-members attended.

It was a great honor to invite Dr NF Chin and Ir Alex Li, two experienced engineers to be our speakers. In the first session of the webinar, Alex shared his experience in gaining professional registration via IET as a CEng and provided useful tips on chartership preparation. The webinar was followed by a 20-minute Q&A session by NF and Alex to address participants' questions on career planning and engineering chartership.

Railway and Transport Section, on behalf of the IET Hong Kong and all participants, would like to thank Dr NF Chin and Ir Alex Li again for their presentations and sharing on the topics.

*Reported by
Michelle Hui*

*STEM and Membership Drive Coordinator (Session 2022)
Railway and Transport Section*



Technical Webinar: Opportunities and Challenges of Cloud Computing

Date: 25 April 2022

In the new normal world, more and more enterprises are running business from physical machines to cloud. Leveraging cloud service brings benefits of maximizing efficiency and helps accelerate business growth.

In view of this, ICTS and ECS co-organized a webinar on 25 April 2022 in which two experienced cloud architects, Mr. Dick Tang and Miss Carla Cheung, were invited to present the challenges and opportunities of cloud computing. The presentation was divided into two parts: Carla first made a brief and interesting introduction of cloud technology and provided the audience with a preliminary concept on docker, e8s and eks; Dick

then further elaborated on the future trend of cloud technology with examples from different industry-leading companies such as Microsoft Azure and Google Cloud Platform.

This webinar attracted more than 68 participants and provided the audience with the latest information about cloud technology. ICTS and ECS would like to seize this opportunity to thank Mr. Dick Tang and Miss Carla Cheung for their insightful sharing.

*Reported by Paul Ho
Informatics and Control Technologies Section (ICTS)*

ECS Webinar: Sharing by STEMpreneur Monica Leung on practical AI in schools and hospitals



ECS Chairman Mr. Kelvin Hung presented the souvenir to Miss Monica Leung

Date: 13 May 2022

Artificial intelligence (AI) has been a hot topic in recent years, which was widely researched and used in different areas for faster and higher accuracy in complicated processes. The demand of talents in STEM has increased rapidly to meet the development of AI. It is common to see lessons in schools include AI as part of the teaching plan and competitions asking for innovative and practical solutions for the future of development of the society.

ECS had invited Monica Leung, founder of Blueinno, to share her experiences on inspiring the young generation to understand and develop an interest in STEM. Monica shared her vision on STEM education and

introduced award-winning AI projects developed by Blueinno's AI Division Team, including the one organized by the Hong Kong Authority and Hong Kong Science Parks Corporation. She also demonstrated the process of the programme recognizing the medical instruments.

This webinar attracted around 40 participants. This has been a rewarding hour for audiences to know more about the development of STEM and AI on nurturing future engineers. We are glad

to see the participants show interests in how AI can be further used in the future. ECS would like to express gratitude for Monica for her valuable sharing.

*Reported by Happy Chan
Electronics and Communications Section (ECS)*



Miss Monica Leung shared her experience on STEM education and AI solutions

Webinar – Railway and Transportation Landscape Worldwide

Organized by:	Railway and Transport Section Committee, IET Hong Kong
Date:	9 July 2022 (Saturday)
Time:	11:30 – 12:30 (HKT)
Venue:	Online Webinar
Speaker:	Ir CS Chang / Mr. Samuel Chan / Mr. Angus Cheung / Mr. James Pang / Ms. Teresa Wong
Language:	Chinese
No. Participants:	100
Registration:	www.theiet.org/hongkong
Fees:	Free of charge
Note:	1 hour CPD for attending this event
Enquiry:	RTS20th@gmail.com

This webinar gathers Railway and Transport practitioners world-wide in the industry to share their unique experience in business around the globe. Members will acquire insights of challenges and opportunities especially in the Asia Pacific region. Members are welcome to pose questions virtually to get to understand more.

(Webinar) Digital Asset Management in The New Era

Organized by:	Railway and Transport Section Committee, IET Hong Kong
Date:	15 July 2022 (Friday)
Time:	19:00 – 20:30
Venue:	Webinar (i.e. via ZOOM)
Speaker:	Mr. Eric Siu
Language:	Cantonese & English
No. Participants:	100 (first-come first-served)
Registration:	www.theiet.org/hongkong
Fees:	Free of charge
Enquiry:	Mr. Kenneth CHAN, Email: kenneth.chan@hkradiantsolar.com

We have invited Mr. Eric Siu, the Digital Services Sales Manager at Schneider Electric to share information about the latest development and applications in Digital Asset Management. Mr. Siu will present a new concept of digital asset management to the delegates. Rather than traditional corrective and preventive maintenance practices, he introduces “Preventive Condition-based Approach” that applies dynamic maintenance cycles and tasks which proven to be more effective in preventing asset failure and downtimes; as well as optimising maintenance cycles and tasks.

Technical Webinar: Blockchain and Web 3.0 - from the past to the future

Organized by:	Electronics and Communications Section Committee, IET Hong Kong
Date:	15 July 2022 (Friday)
Time:	19:30 – 20:30
Venue:	Zoom (online)
Speakers:	Mr. Tommy Lau Co-founder and CTO, MicroCent Limited
Language:	Cantonese (supplemented with English materials)
No. Participants:	200 (first-come first-served)
Registration:	www.theiet.org/hongkong
Fees:	Free of charge
Enquiry:	Dr. Kevin Hung, khung@hkmu.edu.hk

In this webinar, the speaker will introduce blockchain technology and discuss how it is helping industries build innovative solutions. He will also share his experience of establishing a Fintech company (MicroCent) with a vision to help the Gen-Z and underbanked population with blockchain-based finance passports. MicroCent has won three awards, including the Best Fintech Award from Hong Kong Blockchain Olympiad 2020 and International Blockchain Olympiad 2020. Recently, MicroCent also won Hong Kong FinTech Impetus Awards 2022 – Basic technology by Metro Broadcast and KPMG.

Speaker: Mr. Tommy Lau is a co-founder and the CTO of MicroCent Limited. He and two other partners founded MicroCent in 2020 with a mission of helping Gen-Z and the underbanked population receive proper financial services. Tommy received B.Eng. from Hong Kong Metropolitan University (previously The Open University of Hong Kong) in 2017. He joined the City University of Hong Kong as a research assistant in the same year. He is now a Ph.D. candidate who focuses on computer security and blockchain technology.

Technical Seminar on NCS Robotmanager Platform and Robotic Applications

Organized by:	Informatics and Control Technologies Section Committee, IET Hong Kong
Supported by:	NCS
Date:	27 July 2022 (Wednesday)
Time:	19:00 – 20:00
Venue:	Webinar
Speaker:	Mr. Mark Chan, Mr. Damien Kopp
Language:	English
No. of Participants:	100 (Online)
Registration:	www.theiet.org/hongkong
Fees:	Free of charge
Enquiry:	Mr. Heinz Yan, heinz46708333@gmail.com

Aging had always been one of the major issues to be tackled in the future by the whole mankind. In order to mitigate the impact on the productivity by the shrinking working labour, development of robotics is one of the key solutions. In this webinar, the speakers will give an introduction to NCS and share how the NCS robotmanager work as an united platform for various brands of robots in the market, as well as expressing their views on the future of robot applications.

Technical Webinar: Major Changes of the Code of Practice (CoP) for the Electricity (Wiring) Regulations 2020 Edition and Introduction to Major Changes in HK Electric's Guide to Connection of Supply (7th Edition)

Organized by:	Power and Energy Section, IET Hong Kong
Date:	28 July 2022 (Thursday)
Time:	06:30 p.m. – 08:00 p.m.
Venue:	Zoom Webinar
Fees:	Free of charge for member and non-member. (Successful applicants will be notified by email)
Participants:	150 (first come first served)
Registration:	www.theiet.org/hongkong
Deadline of Registration:	20 July 2022
Language:	Cantonese supplement with English terminology
Enquiry:	Mr. Jacky HUNG Email: ck_hung@hkelectric.com

Major revisions of Code of Practice for the Electricity (Wiring) Regulations 2020 Edition, and Introduction to Major Changes in HK Electric's Guide to Connection of Supply (7th Edition)

The webinar consists of two modules:

Module 1: Major Changes of CoP for the Electricity (Wiring) Regulations 2020 Edition

The new Code of Practice (CoP) for the Electricity (Wiring) Regulations 2020 Edition has been published to the industry at the end of 2020 and will be fully implemented on 31 December 2021 after 1 year of grace period. Major changes of the latest CoP as compared between 2015 and 2020 Editions will be highlighted in this webinar.

Speaker: Ir CT SZE Johnson, Electrical and Mechanical Engineer of the Electricity Legislation Division of the Electrical and Mechanical Services Department ("EMSD"). The Electricity Legislation Division of the EMSD is the regulatory authority responsible for the enforcement of Electricity Ordinance and its subsidiary legislations, as well as publication of relevant Code of Practices, Guidance Notes and Technical Guidelines, with the mission of enhancing electricity safety in the community.

Module 2: Introduction to Major Changes in HK Electric's Guide to Connection of Supply (7th Edition)

Since the first edition of the Guide to Connection of Supply (GCS) in 1993, it has been one of the major references in the industry to help customers to prepare the electrical installations for receiving electricity supply. The 7th edition of GCS has incorporated the latest interface requirements and new services provided by HK Electric. Major changes of this edition will be highlighted for the public's easy reference.

Speaker: Ir WONG Kwok-fai is a Corporate Member of HKIE, a Member of IET and a Chartered Engineer. He has been working for HK Electric over 25 years and is now Chief Inspection and Technical Support Engineer of Customer Installation Department. Ir Wong is responsible for handling customer inspections relating to connection of electricity supply, and other technical/advisory supports for customers' electrical installations.

Technical Webinar: EV Charging Challenges and Opportunities

Organized by:	Electronics and Communications Section Committee, IET Hong Kong
Date:	29 July 2022 (Friday)
Time:	19:00 – 20:00
Venue:	Zoom (online)
Speakers:	Mr. Chris Wong Senior Manager of EV Technology and Business Strategy of Cornerstone (Hong Kong) Limited
Language:	English
No. Participants:	200
Enquiry:	Dr. Kevin Hung, Email: khung@hkmu.edu.hk

In 2008, Tesla launched its first electrical vehicle (EV) in the market, a year after the first release of Apple iPhone. In just 13 years' time, smartphones have evolved and emerged as ubiquitous and incomparable devices in our daily life, whereas EVs remain a mere fraction of vehicles on the road. There're no simple answers to the WHY, as it involves stakeholders which are in relation to economic, technological and utility grid challenges.

Despite these challenges, innovation and technology is also a commitment to a longer-term prosperity. With EV mobility represents the next generation of innovation and an environmentally viable alternative to the traditional vehicle, together with the multiplying effect brought by the brand recognition, amid the growing popularity of EVs, figures show approximately 31.1 million electric cars will be hitting the road by 2030.

In this webinar, the speaker will talk about his experience about Hong Kong's EV charging industry, the challenges associated with the ever-increasing demand on the charging facility as more people start driving EVs, and the role of Cornerstone HK in contributing to this acceleration.

About the Speaker:

Mr. Chris Wong is Senior Manager of EV Technology and Business Strategy of Cornerstone (Hong Kong) Limited. Leveraging his engineering and technical background, Chris is responsible for developing new charging business solutions for the Company and ensuring technological strategy are made in line with the Company's priorities.

Prior to joining Cornerstone HK, Chris held managerial role at Smart Charge (HK) Limited, a joint-venture by CLP Holdings Limited & HKT Limited. Chris holds a Master Degree in Mechanical Engineering from the Stoney Brook University and is a Chartered Engineer in New York and New Jersey.

Supporting Event: SHKP Read to Dream X The fourth future engineer grand challenge 「新地齊讀好書」 X 「未來工程師大賽」

Organized by:	Hong Kong Stem Education Alliance and SHKP Reading Club
Co-hosted by:	The Hong Kong Institution of Engineers, Institute of Electrical and Electronics Engineers, The Institution of Engineering and Technology Hong Kong, Faculty of Engineering, CUHK, CityU Apps Lab, STEAM Education and Research Centre, LingU, Internet Professional Association, Hong Kong Trade Development Council, St. James' Settlement, and Hong Kong Federation of Education Workers
Supported by:	Education Bureau, Department of Educational, Scientific and Technological Affairs of Liaison Office of the Central People's Government, The Education University of Hong Kong, College of Engineering, CityU, College of Science, CityU, The Baptist Convention of Hong Kong, The Hong Kong Buddhist Association, Hong Kong Direct Subsidy Scheme Schools Council, The Hong Kong Association for Computer Education, Hong Kong Association for Science and Mathematics Education, Association of I.T. Leaders in Education, Hong Kong Gifted Education Teachers' Association, Kowloon Region School Heads Association and Smart City Consortium, IET Hong Kong

Date:	
6 July 2022:	Deadline for School registration
25 July 2022:	Deadline for teams to submit design proposals
Early August 2022:	Preliminary selection of shortlisted teams
27 Aug 2022 (TBC):	Finals
30 Aug 2022 (TBC):	Awards ceremony
Venue :	
Finals:	City University of Hong Kong (TBC)
Awards ceremony:	Sky100 (TBC)
Enquiry:	3707 1146 (Yancy) or 3707 1147 (Kelvin) Email: admin@stem-alliance.org.hk Website: https://stem-alliance.org.hk/zh-tw/

"SHKP Read to Dream X The fourth future engineer grand challenge" has applied for an accreditation event to celebrate the 25th anniversary of the establishment of the HK. The HK Stem Education Alliance cooperates with SHKP Reading Club to strengthen the promotion of STEM education through a series of activities such as book fairs and STEM lectures, and equip the next generation to cope with future changes and challenges.

With the theme of "Innovative ideas to improve campus life", this activity stimulates students' creativity and makes learning and campus life more exciting.

Supporting Event: Build a Secure Cyberspace 2022 "Fact Check After Receiving, Think Twice Before Sharing" Folder Design Contest

Organized by:	Office of the Government Chief Information Officer; Hong Kong Police Force; Hong Kong Computer Emergency Response Team Coordination Centre
Supported by:	IET Hong Kong
Submission Deadline:	8 August 2022
Enquiry:	+852 2788 5421 Email: event@hkcert.org Website: https://www.cybersecurity.hk/en/contest-2022.php
Online Submission	https://form.jotform.me/hkcert/securecyberspace2022

The Office of the Government Chief Information Officer, the Hong Kong Police Force and the Hong Kong Computer Emergency Response Team Coordination Centre have jointly organised "Fact Check After Receiving, Think Twice Before Sharing" Folder Design Contest (the Contest). The Contest aims to arouse cyber security awareness of the general public to observe digital etiquette and laws, and be sceptical when sending and receiving messages. The general public should also protect their personal information from abuses by the adversaries.

The 20th Annual Power Symposium 2022 Building the Carbon Neutral Future - Challenges and Opportunities

Organized by:	Power and Energy Section, IET Hong Kong
Date	23 September 2022 (Friday)
Time:	09:00 – 17:00 (with tea and lunch service)
Venue:	Sheraton Hong Kong Hotel & Towers
Speaker:	TBC
Language:	English
No. Participants:	200 (first-come first-served)
Registration:	www.theiet.org/hongkong
Fees:	Member: HK\$1,650 (Early-bird HK\$1,550), Non-member: HK\$1,950 (Early-bird HK\$1,850) Deadline for Early-bird: 23 August 2022
Note:	CPD Certificate will be available to all paid registrants. Completed registration form with a crossed cheque payable to "The Institution of Engineering and Technology Hong Kong" with marking "PS 2022" at the back of the cheque, and the cheque should be sent to "The IET Hong Kong, 4405-4406 Cosco Tower, 183 Queen's Road Central, Hong Kong SAR"
Enquiry:	Ms Alice Cheng, Tel: (582) 2521 2144 Fax: (582) 2778 1711 Email: acheng@theiet.org

The Institution of Engineering and Technology (IET) is working to engineer a better world. We inspire, inform and influence the global engineering community, supporting technology innovation to meet the needs of society.

Carbon neutrality refers to achieving relative "zero-carbon emissions".

Greenhouse Gases (GHG) produced by electricity generation account over 50% of the carbon footprint of Hong Kong and buildings are the major consumers. To achieve carbon neutrality, decarbonization is an important step to reduce our carbon footprint for future sustainable development. We need to be prepared for the development and trials of various technologies and solutions in the future.

The 20th Annual Power Symposium 2022 aims to discuss the challenges and opportunity arise in building the carbon neutral future through new technological developments and achievements related to energy conservation and renewable energy. The Symposium provides a forum for professionals, practitioners, academics and researchers to exchange and share ideas and experiences related to the main theme.

Online Registration: www.theiet.org/hongkong

IET Hong Kong

Administration: admin@theiet.org.hk

Event Registration & Enquiry: reg@theiet.org.hk

For enquiry on advertising or any of the activities organised by IET Hong Kong, please contact Community Manager, IET Hong Kong:

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