



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

## Chairlady's Message

We have talked about our STEM and Education work from the Headquarter in our May Newsletter. It is now time to direct our focuses on our local STEM and Young Talents Cultivation works.

I hope you have noticed through our 150th Anniversary Celebration that we have our mind set in introducing the general public to the exciting world of STEM. Not only that the **IET Engineering Carnival** caused a sensation in the summer and attracted around 5000 young future engineers and parents to over 20 STEM game booths for great fun and prizes, the **Faraday Challenge Hong Kong Final** and the **EDI Session** serving as part of our **STEM 4 Girls Programme** also took place that weekend. Moreover, our annual STEM programmes continue to serve the STEM community despite the challenging COVID situation.

### "Why STEM" – The objectives of the Initiation

Our STEM activities are aligned with the IET STEM policies and can generally categorized into "Why STEM" and "What Is STEM". Under the "Why STEM" Category, we make good utilizations of the **STEM resources** and **researches** from the Headquarter, **IET Digital Library**, **IET.tv** Channel, **Engineering Career Resources**, **Early Career Hub**, Professional Registration, Awards and Scholarships, etc to address the core objectives of the STEM initiatives. Moreover, we make regular talks and seminars to the STEM Community concerning Future Skills and STEM skills gap. During the time when traveling was possible, we also arranged for teachers and academicians to visit our home in Savoy Place to exchange ideas and share experience with STEM experts in UK.

As mentioned in the May Newsletter, IET helps to develop the **STEM Ambassador Programme** in UK for close to 20 years with proven success.

STEM Ambassadors bring real life engineering issues and experience into classrooms and work with teachers, parents, and students (together as the "Four Stakeholders of STEM") for developing exciting lessons and exercises that help students in understanding real life engineering concepts as well as to appreciate the actual meaning in becoming engineers.

In Hong Kong, despite relatively lack of resources, our local team of STEM Ambassadors had showed the world unstoppable passion supporting many competitions (such as **Robocon** and **Future Engineer Competition**), mentorship programs, and STEM talks and activities all the years. Moreover, we have engaged our industrial partners to support industrial sharing, career planning, mentorship programme, competitions, technical conferences and visits. I strongly believe that fascinating stories shared by our fellow engineers will inspire many of our young people to join the engineering and technology industry.

### "What is STEM" – Strategies to meet these objectives

Under the "What is STEM" Category, we have many exciting activities for secondary school to graduate students, and these activities can best group into "Engineering Thinking", "Engineering Life", and "Competitions".

#### Engineering Thinking:

**Faraday Challenge** - Brings together STEM subjects in an engagement way and encourages the development of young people's problem solving and communication skills based on real-world problems. Local winning teams will have the chance to participate in Regional Final and the International Final.

**FIRST Lego League and FIRST Tech Challenge**

- Help students to discover their passions in STEM practice. It provides hands-on experiences for primary and secondary students to solve the tasks by making use of LEGO or some advanced accessories. Registration for the 2021-2022 session has been opened for all programs from 18 September 2021. International Final for IET 150th Anniversary is arranged for Year 2022.

This group of activities focuses mainly on solving problems the engineering way. That is, with Professionalism, Perseverance, Passion, and Spirit. Other projects, such as **STEM Education Project for the Youth** and **Future Engineers Competition**, are amongst those that we co-organize with fellow teachers organizations for students to get a good taste of the engineering development cycle.

Engineering Life:

**Future Engineer Project** – Provides a full day programme for secondary school students to learn engineering knowledge through playing games and presenting what they have learnt in their own way.

**STEM 4 Girls Mentorship Programme** – Equipped with over 20 “Big Sisters” (accomplished female engineers acting as the role models for young girls with dreams and passion in technology), the programme shows over 100 secondary school students a year about how female engineers build successful careers in this male dominating industry.

**Young Woman Engineer of the Year Award** – Celebrates successful young woman engineers in Hong Kong and Macau for their accomplishments. These young ladies are engaged to contribute to the IET STEM initiative and are invited to mentor young girls in the STEM 4 Girls Programme.

**Youth Mentorship Programme** – Brings mentors and undergraduates from various engineering disciplines together in a year-long engagement of games, discussions, meetings and ceremonies.

Moreover, technical talks, career sharing, visits to state-of-the-art facilities, workshops, job shadowing and other trainings are held regularly to smash stereotypes and show students the variety of jobs available in the field and how exciting actual engineering life can become.

Competitions:

**Young Professionals Exhibition and Conference** - Offers a dynamic platform for young engineers from five different sections (secondary school, sub-degree, undergraduate, postgraduate and open) to showcase their innovation and presentation skills through this annual engineering project exhibition and presentation competition, which has a history of over 30 years. Winners are recommended to participate in the global **Present Around the World Competition**.

**Underwater Robot (ROV) Challenge** – Engages students into tackling problems underwater that impact the entire world, such as cleaning plastics in ocean. Winning teams are recommended to participate in the International Finals in North America.

**Younger Members Section (YMS) – The start of successful career and lifelong friendship**

Of course, our services for students extend way more than just inspiring their interest in technology and engineering. Our very own Younger Members Section (YMS), supported by various Student Sections and Networks in Hong Kong and Macau, is amongst the best Young Engineer Communities that you can find all over the world. This group of ingenious leaders of the future is also celebrating its 30th year of career guidance, technical workshop, soft skills training, and all the wonderful services that I’ve mentioned above, with great fun and lifelong friendships for young engineers.

I only have the space to give an extremely brief overview of our STEM Programs, but works by our **IET Hong Kong STEM Task Force** are way more than that. Please check out our website, facebook, and STEM promotional packages for more information about these fascinating activities, and we definitely welcome volunteers to take part in this exciting initiative!



Justina CY Ho  
Chairlady of Session 2021, The IET Hong Kong  
Council and Board Member, The IET  
November & December 2021

## 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 Mui Woo race scheduled on 29<sup>th</sup> May, the Shatin race scheduled on 3<sup>rd</sup> June respectively!

Land-based training is scheduled to commence on Sunday, 6<sup>th</sup> and 13<sup>th</sup> February 2022, at Tsing Yi sports centre and subsequent water-based trainings will be held at Sai Kung, on every Sunday from 10:00am to 1:00pm, 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!

“Tuen Ng” festival or commonly known as the Dragon boat festival 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 [johnnyleung@virtualesemiconductor.com](mailto:johnnyleung@virtualesemiconductor.com) more detail!

## IET 150<sup>th</sup> Anniversary Dinner



IET 150<sup>th</sup> Anniversary Dinner was successfully held on 29 September 2021. There were more than 300 participants attended the event. Owing to the COVID regulations, the dinner was held in two different rooms while interaction between two rooms were accomplished by video streaming.

In the beginning, a band which was formed by a group of young engineers had a performance to share joy of this special event with music. Then, the Chairlady of IET Hong Kong, Ms. Justina Ho, the Vice Chairman of IET Hong Kong, Mr. Keith Chan, the Secretary of IET Hong Kong, Dr SL Mak, the Treasurer of IET Hong Kong Mr. Geddy Lee and past chairmen of IET Hong Kong were invited to have cake cutting ceremony. After that, Ms. Ho delivered a welcoming speech, sharing stories of how engineering transformed our society, encouraging the next generation of engineers to continue the history, delivering the mission, working and creating a better and sustainable world. She then led other OBs of BC to offer a toast to celebrate the birthday of IET.

During the dinner, video of welcoming speech from the President of IET, Ms. Danielle George and the Chief Executive & Secretary, Mr. Nigel Fine was presented. Also, highlights of Engineering Carnival which was held in August 2021 and recollection of past events organized by different sessions of IET Hong Kong were recapped. Furthermore, we had our great pleasure to have guitar performance from our treasurer Mr. Geddy Lee.

The atmosphere of the dinner was encouraging and it provided a platform for professionals and specialists from different companies to have social networking, sharing challenging experiences and opportunities in this fast-changing world to sustain future needs. All participants were delighted to celebrate the ongoing development of IET.

Finally, we would like to express our sincere gratitude to the sponsoring companies, Ms. Justina Ho, the OBs and all performers for their generous support and participation to make the event so successful.

*Reported by Ms. WC Lau, Celia  
Organizing Committee, IET 150<sup>th</sup> Anniversary Dinner*





# Land Transportation-Aviation-Maritime Technology Symposium (LAMTS) 2021



*Ms Justina HO - Chairlady of IET Hong Kong to deliver the Opening Address*



*Ir Eric Yiu-hung PANG - Director of Electrical and Mechanical Services Department, HKSAR Government to deliver the Keynote Address in the LAMTS 2021*

The launch of first Land Transportation-Aviation-Maritime Technology Symposium (LAMTS) 2021 by Railway & Transport Section (RTS) was successfully held on 25th November 2021 at MIRA Hotel. It attracted 100 delegates attending in person and another 100 delegates joining online.

The LAMTS' objective was to provide an excellent and interactive communication platform for engineering, technical experts and relevant stakeholders sharing knowledge and experience; promoting collaboration among practitioners; reviewing recent development and applications of new technologies in Land Transportation, Aviation and Maritime industries and exchanging information and innovation.

Started with a keynote address by Ir Eric Pang, Director of EMSD HKSAR, on "Transportation of the Future", then three keynotes: Ir Ricky Leung, Executive Director of Airport Authority Hong Kong, on "Adoption of Autonomous Vehicle (AV) Technologies in Developing Hong Kong International Airport into a Smart Airport City"; Dr Richard D. COLWILL, Engineering Director of

InterContinental Energy, on "Delivering the Global Fuels Transition" and Ir Dr Tony Lee, Operation Director of MTR Corporation, on "Smart Railway Operations & Maintenance: Powered by Data Analytics and Green Technologies" followed by a panel discussion on "Views on applying smart and green technology to Railway, Airports and Ports in Hong Kong and the Greater Bay Area".

There were also 12 technical papers presented by other speakers from different organisations including Development Bureau HKSAR Government, ABB (Hong Kong) Limited, Siemens Mobility Limited Hong Kong, ARUP, Schneider Electric (Hong Kong) Limited, Thales & Security (Hong Kong), MTR Corporation and The Hong Kong Polytechnic University.

On behalf of RTS, we would like to express our sincere gratitude to all participating guests, organizing committees and typically the sponsors for their unremitting support and contribution.

*Reported by Perry Chow  
Railway and Transport Section*



*Mr Perry CHOW - Chairman of LAMTS 2021 welcomes Ir Eric Yiu-hung PANG*



*Group photo of the LAMTS 2021 issue a certificate of appreciation to the speakers*



*Group photo of the LAMTS 2021 Organizing Committee*



*Group photo of the LAMTS 2021 issue a commemorative crystal to the sponsor*

## Young Professionals Exhibition & Competition 2021

**Date: 1 August 2021 (Sunday)**

**Time: 09:00 – 18:00**

**Venue: Online via Zoom Webinar Platform**

**No of participants: 250**

On 1<sup>st</sup> August 2021, the Young Professionals Exhibition & Competition 2021 (YPEC 2021), an annual flagship event of the Younger Members Section, was successfully held online via Zoom webinar platform. The event aimed to provide a platform for students and young professionals to showcase their innovative ideas, exchange insights with their peers and sharpen their presentation skills through the competition.

Choosing “TransformER” as the theme in 2021, we envision our young professionals not only to transform their innovative ideas into realities, but also transforming the world into a better place. Getting through challenging times in the past year, we wish our “transformers” can bring new ideas to foster the transformation into a new era. Over 70 teams comprising more than 180 students and young professionals from 5 different sections, including Secondary School, Sub-degree, Undergraduate, Postgraduate and Open, participated in YPEC this year. Through presentation and online exhibition, they enthusiastically showcased their innovative ideas and engineering projects as well as demonstrated their superb presentation skills to the public and judges. We believe the audience were very impressed by the presentation and effort of every team.

It was a great honour to invite Professor Way Kuo, the President and University Distinguished Professor of the City University of Hong Kong to be our Honorary Advisor. “Society needs engineers more than ever, and as an academic, teacher and researcher in the field, I am enthused by your efforts to offer young engineers from secondary school to postgraduate levels the chance to showcase their ideas, extend their networks and learn from others, transforming society into a better place to live,” said Professor Kuo.

On behalf of the Organising Committee of YPEC 2021, I would like to thank all the participants, judges and guests for joining the event. In addition, we would also like to express our gratitude to CLP Power Hong Kong Limited, The Hongkong Electric Company, Limited, Arup, MTR Corporation Limited, Autodesk Far East Limited, Key Direction Limited and The 440 Productions for their generous support to YPEC 2021.

We would like to encourage our talented young professionals to continue to integrate their innovative ideas with technical knowledge and join us in YPEC next year. Once again, congratulations to all winning teams and we wish them every success in the future.

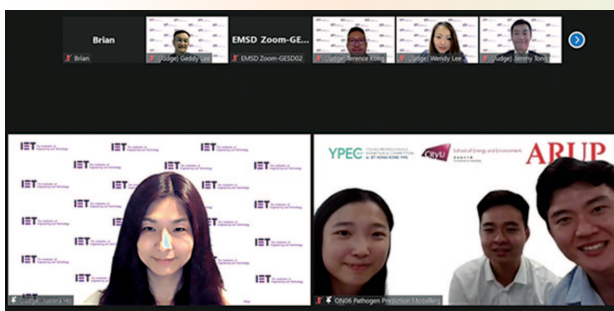
*Reported by Gabriel Wong  
Younger Members Section*



Group photo of the Closing Ceremony 1



Group photo of the Closing Ceremony 2



Ms Justina Lo, Chairlady of IET Hong Kong announcing the Champion Team of Open Section

## Report on ECS Technical Webinar – Future of UAS in Construction Industry

Unmanned Aircraft Systems (UAS) are widely adopted in various sectors including security, entertainment, transport and infrastructure which alleviate humans' workload and risks in performing dangerous tasks. One of the sectors with great potential in UAS market expansion is construction industry where it is estimated to uplift the GDP in UK construction & manufacturing industries by £8.6 billion by 2030 as an example. In this webinar ECS is delighted to invite Mr. Jesse Lee, a chartered engineer and qualified UAS pilot, to share with audiences on how UAS technologies are adopted in construction sector.

Jesse shared the common usage of UAS in construction industry with recording site conditions with drones and converting the data into Building Information Modelling (BIM) software for engineers' further processing. As such these formulated BIM models can be used for site planning & survey, construction progress monitoring which increases site construction efficiency. Drones are not only used in outdoors for building site survey but also for indoor tunnel site inspections for example checking cracks and water leakage. Apart from typical building / tunnel usage, drones can also be used for power grid inspections, thereby saving



Mr. Kelvin Hung - Chairman of ECS presented souvenir to speaker Mr. Jesse Lee



Group photo of ECS committee and speaker Mr. Jesse Lee

maintenance costs and minimize risks of injury. Mine land survey is also another types of drone applications.

Despite drones provide so much convenience to people, it is governed by laws since it's an aerial applications where potential impact on manned flight operations may be incurred. As such Jesse elaborated on the ICAO standards which define well on types of unmanned aircraft usage, the operation limitations like requirement of registration scheme, height restriction, separation distance (against buildings) and age of drone operator, etc. for audiences' understanding.

Jesse's insightful webinar has attracted more than 50 participants who enjoyed a great evening in learning how UAS technologies is adopted in construction industry. ECS would like to express gratitude to Jesse for his valuable sharing.

*Reported from Aubrey Lam  
Electronics and Communications Section*

## Report on Professionalism Congress 2021

The Professionalism Congress 2021 was successfully held on 20 November 2021 in the form of Webinar. It consisted of two sessions on Professional Registration and sharing session by three young engineers chartered recently, patronized by 76 audiences ranging from engineering students, fresh graduates to young engineers.

The "Professional Registration" session outlined the requirements, procedures and benefits of obtaining professional registration through the IET. The other on tips and difficulties faced during chartering. It included sharing by guest speakers highlighting the nature of works and roles of engineers in their companies, and their personal experience and advice for the young students and engineers.

We would like to express our gratitude to all of our guest speakers for their time and support to the event. To sum up, young engineers are the future and valuable assets of our society. Through this congress and other event, we wish to help them better plan for the right career, prepare for and establish the professional status in the near future.

*Reported by Anthony She  
Younger Members Section*



## YMS AGM Webinar: Achieving Net Zero by Hong Kong by 2050 - Opportunities and Impacts to Engineer

Organised by:	Younger Members Section, IET Hong Kong
Date:	19 December 2021 (Sunday)
Time:	19:15 - 20:15
Venue:	Online Webinar
Speaker:	Mr LM Chow
Registration:	<a href="http://www.theiet.org/hongkong">www.theiet.org/hongkong</a>
Fees:	Free of charge
Enquiry:	Karen Chung < <a href="mailto:hychungad@gmail.com">hychungad@gmail.com</a> >

Hong Kong is committed to achieving Net Zero by 2050.

What kinds of aggressive measures will be adopted in achieving such a demanding target? What kinds of changes will be brought about? What are the impacts of such changes on Hong Kong? What are the threats and opportunities available to engineers?

This talk will try to answer these questions and predict the future happenings.

### About the speaker:

LM was the former Senior Director – Marketing and Customer Services of CLP Power Hong Kong Limited. Before he retired in 2016, he has served the Hong Kong power industry for 39 years. As the Senior Director, LM has actively led the retail teams of CLP Power to uplift their customer services and provide technologies, tools and solutions to help customers save energy. Under his leadership, CLP offered tailor-made energy management solutions and share green building best practices with many building operators in the market.

Mr. Chow was also the Director of HK Green Building Council from 2013 - 2016.

After retirement from CLP, LM has taken up the roles as the CEO of Zero Carbon Building (ZCB) for two years. During the period, he has helped ZCB establish a Smart City and Green Building Technology Experience Centre for engaging Hong Kong citizens.

LM is currently the Principal Consultant of Green Telligence Development Co. Ltd., mainly providing management and engineering consultancy, including advices on green and smart technologies to various organizations.

LM is also the current Chairman of Connected City Association, which aims at promoting IEEE P2668 IoT standard and the assessment Index in both Hong Kong and Greater Bay Area.

## AGM Talk: The Qianhai Co-operation Zone

Organised by:	Branch Committee, IET Hong Kong
Date:	20 December 2021 (Monday)
Time:	19:45 - 20:45
Venue:	Sung Room, 4/F, Sheraton Hong Kong Hotel & Towers, or Zoom webinar
Speaker:	Professor Witman Hung, JP, Principal Liaison Officer for Hong Kong, Shenzhen Qianhai Authority
Language:	English
Fees:	Free of charge
Registration:	<a href="http://www.theiet.org/hongkong">www.theiet.org/hongkong</a>
Enquiry:	<a href="mailto:admin@theiet.org.hk">admin@theiet.org.hk</a>

The expansion of the Qianhai Shenzhen-Hong Kong modern service industry cooperation zone has been very much in the news, the Chief Executive recently mentioned Qianhai no less than 59 times in her recent policy address and the future of this economic free trade zone is a key initiative in the Greater Bay Area project.

We are delighted to have secured the participation of Professor Witman Hung, JP, Principal Liaison Officer for Hong Kong, Shenzhen Qianhai Authority who will come and explain more about the expansion.

### About the speaker

Professor Hung is currently the Hong Kong Deputy to 13th National People's Congress (NPC) and Principal Liaison Officer for Hong Kong, Shenzhen Qianhai Authority. A seasoned ICT professional and angel investor, he has worked in the industry for more than 30 years. He is the Executive Chairman of Chinese Big Data Society and Adjunct Professor of Institute of Resource, Environment and Sustainable Development Research of Jinan University and Hainan University Belt and Road Research Institute. Professor Hung was appointed as one of the Global Council Members of the World Summit Awards, an initiative within the framework of UN WSIS. He is also an Independent Non-executive Director of three companies listed in the main board of the Hong Kong Stock Exchange. Professor Hung is a Chartered Information Technology Professional and a fellow of the British Computer Society, the Hong Kong Computer Society and the Hong Kong Institute of Directors.

## PES Professional Networking Night

Organised by:	Power and Energy Section, IET Hong Kong
Date:	28 December 2021 (Tuesday)
Time:	18:30 - 21:30
Venue:	Ching Room, Sheraton Hotel, 20 Nathan Road, Tsim Sha Tsui, Hong Kong
Speakers:	Mr San Wong (Founder of R2C2 Ltd.)
Language:	Cantonese supplemented by English
No. of Participants:	15 (Successful applicants will be notified by email)
Fees:	Free of charge for member and non-member. Priority will be given to members
Registration:	<a href="http://www.theiet.org/hongkong">www.theiet.org/hongkong</a>
Deadline of Registration:	20 December 2021 (Monday)
Enquiry:	Mr. Kevin Tang (email: <a href="mailto:kevin-t@vtc.edu.hk">kevin-t@vtc.edu.hk</a> )

PES is hosting its Annual Professional Networking Night in the evening of 28th December 2021. The event will include a seminar on "Robotic Automation" and a Professional sharing session.

We have invited Mr San Wong, founder of R2C2 Ltd. to deliver a talk about "Robotic Automation". R2C2 Ltd. is the first and only Boston Dynamics SPOT developer in Hong Kong. San will also talk about the robotics, AI and automation ecosystem in the Hong Kong context, the current status and the future advancement and their specialties. San will share his Personal aspiration as a robotic entrepreneur in this networking event.

In addition, participants not only can obtain insights into the topic of "Robotic Automation" from the engineering perspective, it is also a great opportunity for participants to share their working experience. Moreover, members can take this opportunity to develop his/her professional network for their businesses and get the latest updates on coming PES activities.

You are cordially invited to join this annual networking event and enjoy the evening with us!

## Technical Webinar: New National GmSSL Standards for Smart Products and Applications

Organised by:	Electronics & Communications Section Committee, IET Hong Kong
Date:	14 January 2022 (Friday)
Time:	19:00 - 20:00
Venue:	Online Webinar
Speakers:	Mr. Alex Wu
Language:	Cantonese (supplemented with English materials)
No. Participants:	200 (first-come first-served)
Registration:	<a href="http://www.theiet.org/hongkong">www.theiet.org/hongkong</a>
Fees:	Free of charge
Enquiry:	Kevin Hung (Email: <a href="mailto:khung@hkmu.edu.hk">khung@hkmu.edu.hk</a> )

The new national GmSSL standards were designed and issued by the National Cryptographic Administration of China, some of which have become international standards. An example is the SM series ciphers. SM stands for commercial cipher, which refers to the cipher technology used for commercial purpose. The Chinese government continues to promote the work of the National Encryption Algorithm in the financial sector. Currently, there are 699 types of software and hardware cryptographic products that support national encryption algorithms, including SSL gateways, digital certificate authentication systems, key management systems, financial data encryption machines, signature verification servers, smart cryptographic keys, smart IC cards, and PCI cryptographic cards. In this webinar, the speaker will share his experience with different types of SM cryptographic method, and discuss how the technologies are deployed in different commercial sectors.

Speaker: Mr. Alex Wu has more than 25 years of experience in the IT sector. He is an expert in network infrastructure, cloud architecture, SaaS design, eDM solution, and design software framework. Since joining Integrated Corporation in 2015, Alex has been leading the R&D teams in the company's Hong Kong office and China development plant. He now focuses on security solutions, A.I. solutions, payment system and IoT security solution.

## Supporting Event: Information Security Summit 2022

Lead Organiser: Hong Kong Productivity Council

Organisers:

Cloud Security Alliance Hong Kong and Macau Chapter; Hong Kong Computer Emergency Response Team Coordination Centre; Hong Kong Computer Society; Hong Kong Information Technology Federation; High Technology Crime Investigation Association (Asia Pacific Chapter); ISACA China Hong Kong Chapter; (ISC)2 Hong Kong Chapter; Information Security and Forensics Society; Internet Society Hong Kong Chapter; Professional Information Security Association

Supported by:

Communications Association of Hong Kong; Federation of Hong Kong Industries; German Industry and Commerce Ltd.; Government Computer Emergency Response Team Hong Kong; Hong Kong Applied Science and Technology Research Institute Company Limited; Hong Kong Association of Interactive Marketing; Hong Kong General Chamber of Commerce; Hong Kong Information Security Group; Hong Kong Information Technology Joint Council Limited; Hong Kong Institute of Engineers - Information Technology Division; Hong Kong Internet Service Providers Association; Hong Kong Software Industry Association; Hong Kong-Thailand Business Council; Hong Kong Wireless Technology Industry Association; Information and Software Industry Association; Institute of Electrical & Electronic Engineers - Hong Kong Section Computer Society Chapter; ISACA Macao Chapter; New Zealand Chamber of Commerce in Hong Kong; Open Web Application Security Project (Hong Kong Chapter); The Austrian Chamber of Commerce Hong Kong & Macau; The Belgium-Luxembourg Chamber of Commerce in Hong Kong; The Chinese General Chamber of Commerce; The Chinese Manufacturers' Association of Hong Kong; The Hong Kong Japanese Chamber of Commerce and Industry; The Hong Kong Association for Computer Education; The Institution of Engineering and Technology Hong Kong; The Malaysian Chamber of Commerce (Hong Kong & Macau) Limited; The Mexican Chamber of Commerce in Hong Kong; The Singapore Chamber of Commerce in Hong Kong

Date: 9-10 March 2022  
Time: 09:00-17:30  
Venue: Hong Kong Convention and Exhibition Centre  
Enquiry: Ms Sophie HUANG (+852 2788 5421) /  
Ms Lavender MAK (+852 2788 5704)  
Email: [sophiehuang@hkpc.org](mailto:sophiehuang@hkpc.org) /  
[lavendermak@hkpc.org](mailto:lavendermak@hkpc.org)

Website: <https://www.issummit.org/>

Jointly organised by the Hong Kong Productivity Council and leading information security organisations in Hong Kong, Information Security Summit (IS Summit) is the flagship cyber security summit in Hong Kong, with the aim to provide participants with the latest information security trends and developments.

This year, themed "Security Transformation for the Next Normal – Evolution of Risk Management and Data Protection in a Post Pandemic World", the 2-day Summit will focus on how the enterprises can transform their security successfully under the cyber security challenges and the escalating cyber threats for the next normal. The topic will cover emerging cyber attacks and technologies, new security defence framework and risk management methodologies, etc.

Online Registration: [www.theiet.org/hongkong](http://www.theiet.org/hongkong)

#### **IET Hong Kong**

Administration: [admin@theiet.org.hk](mailto:admin@theiet.org.hk)

Event Registration & Enquiry: [reg@theiet.org.hk](mailto: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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A: The Institution of Engineering and Technology Hong Kong, 4405-06 Cosco Tower, 183 Queen's Road, Central, Hong Kong

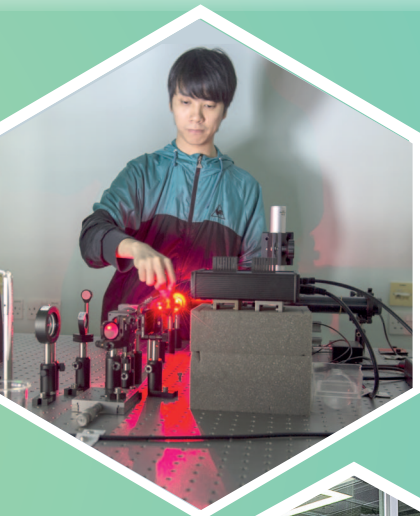
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THE HONG KONG  
POLYTECHNIC UNIVERSITY  
香港理工大學

DEPARTMENT OF  
**Electronic and  
Information  
Engineering**

電子  
及  
資訊  
工程  
學系



# Master of Science (MSc) in Electronic and Information Engineering 電子及資訊工程學理學碩士學位課程

*With specialism study options in  
“Internet of Things (IoT)” and  
“Multimedia Signal Processing and Communications”*  
備有「物聯網」和「多媒體信號處理及通訊」專修

**Exit Award Option: Postgraduate Diploma (PgD)  
in Electronic and Information Engineering**  
畢業選項：電子及資訊工程學深造文憑課程



## Unique Specialism in Internet of Things

The new Specialism in Internet of Things (IoT) has been launched to cater for the emerging needs of IoT experts in the industry. This specialism covers cutting-edge technologies on big data, mobile edge computing, wireless communications, sensor networks, and IoT applications, etc., enabling students to explore advanced knowledge and develop in the related fields.



## Programme Introduction

This programme aims at providing graduates of electronic engineering, information engineering, electrical engineering, telecommunications engineering, computer science and other related disciplines an opportunity for further study at postgraduate level. Students will embark on a broad choice of core subjects in areas such as multimedia technologies, Internet of Things (IoT), telecommunications and machine intelligence, etc. that enable them to meet new challenges and tap new opportunities in relevant fields. Students can also acquire the latest technical know-how by registering for specialized subjects in a chosen area that focus on the modern issues facing the engineering profession today. Students who have managerial responsibilities can take electives on business or management according to their interest and career needs.

### Mixed-Mode of Study

Students can engage in a full-time (9 credits or more per semester) or part-time study load (less than 9 credits per semester), and may have their study load vary from semester to semester.

### Credit Requirement

30 credits (10 subjects) for MSc  
18 credits (6 subjects) for PgD

### Normal Study Duration

1.5 years (Full-time)  
2.5 years (Part-time)

### Online Application for September 2022 Intake

<http://www.eie.polyu.edu.hk/msc/application.html>

### Application Deadline

30 April 2022

### Enquiry



(852) 2766 6230 / (852) 2766 6260



<http://www.eie.polyu.edu.hk/mscinfo>



[eie.tpg@polyu.edu.hk](mailto:eie.tpg@polyu.edu.hk)

