



IEEE Hong Kong Section 2021 Report

PART A - SECTION SUMMARY

A.1 Executive Summary –

1. IEEE HK Section AGM Meeting – Dec 19, 2020, with over 30 IEEE members in HK joined this AGM meeting, with IEEE President Professor KJ Ray Liu, IEEE R10 Director, Professor Chun Chee, Lance Fung.
2. IEEE HK Section ExCom Meeting: In 2020, five Section ExCom meetings were scheduled for the chapter officers / representatives. The five ExCom meetings below:
 - Jan 16, 2021 – 20 members
 - March 13, 2021 – 20 members
 - May 15, 2021 – 20 members
 - July 17, 2021 – 20 members
 - Oct 2, 2021 – 20 members
3. IEEE HK Section organized events with Local National Organization, including the Chartered Management Institute, The Women’s Foundation, IET (HK).
4. HK Section collaborated with other Sections in R10, and takes part in the R10 Virtual Congress.
5. HK Section collaborated with Local National Organizations such as HK STEM Alliance, and Hour of Code Hong Kong to cultivate young talent education in Hong Kong.
6. HK Section received The Outstanding Large Section Award 2021 presented by Dr Maik Luiken Chair, Member and Geographic Board, and The Outstanding Support Award to IEEE and Region 10 presented by Member and Geographic Board.

IEEE HK Section ExCom Meeting has 6 Section Advisors, 22 chapters, 3 affinity, 5 Student Branches, with one newly established joint chapter, Hong Kong Section and Guangzhou Section Joint Section Chapter, IEEE IES.

Advisor: Nim Cheung

Advisor: Wan-Chi Siu

Advisor: Paul Cheung

Advisor: K.M. Luk

Advisor: P.C. Ching

Advisor: Vincent Lau

Total number of Chapters, WIE/YP/LM AG, SB.

AP/MTT Chapter	EP Chapter	LMAG Affinity
CAS/COM Chapter	IE/PE/IA Chapter	WIE Affinity
CT/OE Chapter	IT Chapter	YPAG Affinity
CEDA Chapter	MAG Chapter	CityU SB
CI Chapter	PHO Chapter	CUHK SB
COMP Chapter	PSE Chapter	HKBU SB
CS/RA Chapter	SMC Chapter	HKU SB

E Chapter ED/SSC Chapter EMB Chapter EMC Chapter	SP Chapter TEM Chapter VT Chapter IES Chapter	HKUST SB PolyU SB OUHK SB
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PART B - ORGANIZATIONAL ACTIVITIES

B.2 Chapter Activities

1. The AP/MTT Chapter has organized the following events:
 - a. Seminar, NAMI WEBINAR Advanced Materials for 5G Era, 22 January, 2021
 - b. Industry Seminar Trends in Automatic Identification & data capture (AIDC) industry: RFID, IOT, Blockchain, AI... how they are going to integrate?, 16 July, 2021
 - c. Seminar, Mode Managements and Applications in Waveguides, 27 July, 2021
 - d. IEEE AP-S Distinguished Lecture (Hong Kong Chapter) Transformation Optics and Its Applications to Lens Antennas, 13 Aug, 2021
 - e. IEEE AP-S Distinguished Lecture (Hong Kong Chapter) The SKA and Precursors — Extreme Antenna Engineering, 7 Sept, 2021
 - f. 2021 Cross Strait Radio Science and Wireless Technology Conference, 11-13 Oct 2021
 - g. The 22nd IEEE (HK) AP/MTT Postgraduate Conference, 20 Nov 2021
 - h. Received the IEEE MTT-S Outstanding Chapter Award.
2. The Education chapter organized the following events:
 - a. Online Training of Artificial Intelligence for Teaching and Learning 29 Jun 2021/5 Aug 2021/25 Aug 2021/17 Sep 2021
 - b. Copyright, Creative Commons and Open Educational Resources in Virtual Instruction, 29 Sep 2021
 - c. Engineering Education for the Next-Normal, 20 Oct 2021
3. The CT/OES Chapter organized the following events:
 - a. A funded project with Environmental Conservation Fund, Underwater Robotics Workshop by CT/OES Joint Chapter, 20 ROVs were built, 93 students participated, 53 hours of workshop were conducted.
 - b. 2020 ROV competition in March, ROV 2021 competition, and also ECF 2020 funding with \$520k.
 - c. Young Engineer conference, STEM Student conference.
4. The CAS/COM Chapter applied for the CAS outreach funding, the CAS Outreach Initiative Proposal 2020, co-organized the 10th ICSPCC conference with IEEE Xian Section.
5. The CEDA Chapter organized the EDathon in 2021 with sponsorship from Industry.
6. The ED/SCC chapter organized a series of technical seminar events.
7. The VT Chapter reported the planning for the GBA workshop for smart transportation for connecting University and industry in GBA.

8. The IT Chapter organized the Croucher Summer course about Information Theory in Aug 2021, and announced the outstanding award from Prof. Raymond Yeung for the IEEE 2021 Richard W. Hamming Medal.
9. The MAG Chapter organized learning activities for secondary school students from 45 schools.
10. The CI Chapter organized the FYP competition and PG paper final presentation in early Dec in CI Chapter, and AI in X workshop.
11. The EMB Chapter organized the student paper competition in the summer of 2021, and also International Quantum computing conference in 2021.
12. The EMC Chapter organized the EMC distinguished lecture series.
13. The PSE Chapter and IEEE Taiwan organized an International conference in Nov 2021.

B.5 Affinity Group Activities

1. IEEE HK Section CityU Student Branch organized the CityHack 2021 and also IEEE Extreme competition at CityU, two technical trainings with Microsoft and Amazon in 2021.
2. IEEE HK Section, Open University Student Branch organized the following activities for the student members, Orientation activity in Dec 2020, ethical hacking event, and complimentary membership for the students.
3. LMAG in HK Section organized the Deep Learning workshop in March 2021.
4. YPAG organized a briefing session for members to apply for the IEEE YPAG Fund.
5. The WIE in HK Section participated at the IEEE WIE Congress, and co-organized a special session for International leadership event with CMI.
6. WIE Hong Kong collaborated with an external professional society (The Women's Foundation) to offer coding workshops for pre-university GirlsGoTech program (throughout the year).
7. WIE Hong Kong sponsored a panel discussion on "Voices from Hong Kong" and participated as panelists at the IEEE WIE ILC (April 27-30,
8. WIE Hong Kong collaborated with Consumer Technology/Oceanic Engineering Joint Chapter and local schools to offer underwater robotic workshops for STEM awareness (August 18, 2021)
9. WIE Hong Kong participated and was speaker at the IEEE WIE Beijing Leadership Summit (September 17-19 2020)
10. WIE Hong Kong participated and was speaker at the IEEE WIE & STEM Education Program (September 7, 2021)
11. IEEE HK Section BU Student Branch organized IEEE introductory talk for the students, and IT Consultancy career path for the students, recruitment talk and regular departmental event with SB.

B.6 Awards & Recognition Activities

- Award constituted by the Section
 - Best Section Award (Large)
- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year

- No

B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)

- Newsletter (name and number of issues in the year)
 - ✧ Yes (July Newsletter)
- Home Page of the Section (give the URL and how often it is updated)
 - ✧ <https://r10.ieee.org/hk/> (regular update)
- Other means of contacts with Section members including social media
 - ✧ Facebook

B.8 Industry Relations

- Membership growth and retention
 - ✧ No
- Activities for/with industrial members
 - ✧ No

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
 - ✧ No
- SIGHT Activities
 - ✧ No

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)”
- For the Family oriented event, IEEE HK Section co-organized the family coding learning activities with local national partners and industry partners such as The Women’s Foundation, HK STEM Education Alliance and Hour of Code Hong Kong.

PART C - OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved
 - No
- Funding secured from the IEEE and external sources including sponsorships
 - No

C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)

- Nature of relationship and details of any formal agreement signed
 - No
- Details of joint activities
 - No
- Benefit to IEEE members (for example discounts, access to technical information etc.)

- No
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)
 - No

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
 - No
- Joint activities with any other Section
 - Collaborate with Xian Section, China to organize the ICSPCC2021 conference in Xian.

C.4 Support extended to Sub-sections & Society Chapters within the Section

- Support extended for organising technical, educational and professional activities
 - Collaborate with
- Joint activities for membership development
 - No
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section
 - No

C.5 Best Practices of your Section (which you would like to share with other Sections for the benefits of members)

C.6 Problems anticipated and suggestions for solutions, if any No

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans No

D.2 Goals and Future Plans

We need to get back the control of the bank accounts before we can arrange more activities.

D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals. No

D.4 Business Plan for Sustainable Growth and Financial Stability.