

Chairman's Message



It has been my great honour to be the Chair of CA Division 23/24 Session.

I am pleased to disclose that Session 23/24 is a fruitful one, as far as the CA Division is concerned. Taking this golden opportunity, I have to express my sincere thanks to the Committee Members including the Observer and Convenors for having all the important activities like, Annual Dinner, Annual Summit, seminars at the HKIE and various delegations to be conducted with quality. Of course, it is necessary for me to mention the substantial contributions from our Committee Members and Convenors i.e. Ir Prof Billy CHOW, Ir Prof Tommy CHEUNG, Ir Dr Jacky WEN etc. for the Hong Kong Engineers Week 2024 (HKEW 2024), especially the GBA Innovation Competition. It was definitely memorable. We had ten combined teams formed by GBA & HK tertiary institutions. During the Annual General Meeting (AGM) of our Division, a PPT will be furnished to summarize the key events, such as the seminars in the HKIE with the details of attendees at the HKIE and online. The delegations to various places in GBA were critical for the success of GBA Innovation Competition; it was the root cause for having the ten teams from the GBA tertiary institutions. The delegation to Guangxi was definitely worthwhile to be emphasized as the senior officials were with us for a smooth discussion of collaborations of related learned society activities and further potential cooperation with our CAI discipline. The Annual Dinner at the Hong Kong Football Club has to be addressed. Needless to say, I have to show my gratitude to the Organizing Committee (OC) especially Ir Ray CHOI, the OC Chairman, for his significant involvement. We had the senior officials, e.g., Ir Prof Dong SUN, JP & Ir Dr Ming GE from Innovation, Technology and Industry Bureau (ITIB), Mr. Richard CHAN, JP from Electrical and Mechanical Services Department (EMSD) and industry leaders, such as Ir Prof Ricky LEUNG, Ir Francis CHENG, Ir Dr Tony LEE & essential industry leaders from Siemens, Chevalier, China Mobile, and academics i.e. Prof CH CHAN, Ir Prof Philips WANG, Ir Dr Eric LIU etc. Great pleasure to share that those partners have substantial contributions to our Summit. The 'Bona Fide' relationship has thus been demonstrated and we have been working together for the benefit of the profession and the society at large. I am indebted to the Summit OC, especially Ir Dr Tony LEE, OC Chairman, for their invaluable input for the event to be professionally conducted in HK and Shunde on 14th May and 17th May of 2024 respectively.

I have been treasuring my chairmanship of 23/24 Session and I do hope we shall have similar support from the members, senior officials, professionals, academics and industrialists from Hong Kong and Mainland again.

Thank you very much!

Ir Prof Louis LOCK

AP(HK)MBA DBA HonDEng HonFUCLan HonFInstMC HonFSOE HonFIPlantE HonFGDIE HonFIUS

FHKIE RPE CEng CEnv Senior Engineer (Professor Level)

Chairman (23/24 Session)

The HKIE Control, Automation and Instrumentation Division

Flagship Events

1. CAD 23/24 Annual Dinner – Ir Ray CHOI

The gathering was held at Hong Kong Football Club on 26th March 2024. It is hoped that the division members, related professionals and guests from government, utilities, consultants, contractors etc. could enjoy a friendly gathering and share the updated/best practices and experiences. Ir Prof Dong SUN, JP, Secretary for Innovation, Technology and Industry Bureau and CAD Past Chairman delivered a Keynote Address and officiated the event with the senior officials like, Mr. Richard CHAN, JP of Electrical and Mechanical Services Department, industry leaders, such as, Ir Prof Ricky LEUNG of Airport Authority Hong Kong, Ir Francis CHNG of The Hong Kong Electric Co. Ltd., Ir Dr Tony LEE of MTR Corporation Ltd, representatives of local tertiary institutions, e.g., Prof CH CHAN of Hong Kong College of Technology, Ir Prof Philips WANG of Hong Kong Metropolitan University, Ir Dr Eric LIU of Vocational Training Council and distinguished guests from counterparts of Mainland, like, Mr. Nan SUN of Shenzhen Association of Science and Technology, (SZAST), Prof GX LIU of Guangdong Institution of Engineers (GDIE). As mentioned before, I have to show my sincere thanks to the OC especially Ir Ray CHOI, OC Chairman, for his valuable contribution.

2. CAD 23/24 Summit – Ir Dr Tony LEE

It is a 2-day event with the theme of “We Automate, We Innovate, CAI Professionals Engineer the Future’. The 1st Day of the event will be held via hybrid mode at Hong Kong Metropolitan University on 14th May 2024 and the 2nd Day of the event will be held at Shunde Polytechnic on 17th May 2024. Ir Prof Dong SUN, JP, Secretary for Innovation, Technology and Industry Bureau, Ir Raymond POON, JP, Director of Electrical and Mechanical Services Department, Ir Dr the Hon WK LO, GBS, MH, JP, Legislative Council Member, Ir Prof CC CHAN, Academician of Chinese Academy of Engineering and Ir Dr Barry LEE, President have been invited to deliver keynote addresses in the morning session of the 1st Day of the event. Distinguished guests from counterparts of the Greater Bay Area such as Mr. Nan SUN of SZAST, Mr. Chou Kit WU of The Macau Institute of Engineers, Prof GX LIU of GDIE, Prof XD YANG of Shunde Polytechnic Prof QR WANG of Guangzhou Polytechnic will deliver their special addresses in the first part of the afternoon session. There will be a parallel session right after the break. The guests from counterparts of Mainland, e.g., Dr J YANG, President of Shenzhen Automation Association, Ms. QL GUO of Shenzhen Municipal Experts and Talent Association, etc. will attend the panel discussion of the Sub Session 1 with the topic of Coordination of Engineering Professions and Related Education under a New Quality Productivity Mindset. The panel discussion will be chaired by Ir PK LEE, JP and co-chaired by Ir CM CHAN. A number of professionals and academics will deliver their presentations regarding the latest development and implementation of emerging technologies such as AI technology, IoT, robot application in different industries and so on in the Sub Session 2. On the 2nd Day of the event, there will be 3 academics to share their expertise on Study of Machine Vision in Smart Manufacturing, Application of Digital Twin Technology in Smart Factory and Implementation of High Quality 3D Printed Steel right after the welcoming, opening and key addresses. I have to express my heartfelt gratitude to the OC especially Ir Dr Tony LEE, OC Chairman, for his dedication and the continuous support from the senior officials and the industry leaders, like Airport Authority Hong Kong, Chevalier, China Mobile Hong Kong, MTR Corporation Ltd., Siemens Ltd., etc.

Financial Statement

1. The **surplus brought forward** from 22nd and 23rd Session as at 1st April 2023 was **HK\$117,468.34**.

2. The total income and expenditure for the period of 1st April 2023 through 31st March 2024 were:

Income: HK\$141,123.42

Expenditure: HK\$149,365.38

3. The **accumulated surplus** of the Divisional account was at 31st March 2024 was **HK\$109,226.38**.

For detailed breakdown of financial data, please refer to Appendix 1.

Events/Activities

Date	Topics	Guest Speakers	Number of Participants (on-shot and online)
13 th Sep 2023	Voltage Dip Ride-through Feature in Escalator	Ir Christ CHUNG	Around 500 participants including 490 participants (online) and 10 participants (on-spot)
4 th Oct 2023	Smart Site Safety System (4S) Application for Construction Works	Ir Dr Leo FUNG	Around 500 participants including 480 participants (online) and 20 participants (on-shot)
26 th Oct 2023	“科學、人生” 科普講座	吳雲東院士	Around 200 participants (on-spot)
28 th Oct 2023	CA Paper Award Presentation	Awardees	Around 100 participants including 50 participants (on-spot) and 50 participants (online)
9 th Nov 2023	Experience Sharing Series: From a Lift and Escalator Engineer to a Professional Control, Automation and Instrumentation Engineer	Representatives of relevant organizations concerning lifts and escalators and Ir Alain TANG, the CAI DAP Chairman	Around 400 participants including 380 participants (online) and 20 participants (on-spot)
15 th Nov 2023	Lift Management, Modernization & Quality Lift Service Recognition Scheme	Mr. James LAU of Electrical and Mechanical Services Dept, The Government of the HKSAR	Around 400 participants including 380 participants (online) and 20 participants (on-spot)
16 th Nov 2023	Various Types of	Mr. Anakin LIU of	Around 520 participants

	Automated Car Parking systems (APS) and their Control Technologies	Jardine Engineering Group (JEC) and Mr. Vincent FOO of China International Marine Containers Group (CIMC) IoT Technology	including 500 participants (online) and 20 participants (on-spot)
18 th Jan 2024	The “G=ixi” of Towngas: Fuelling Growth through Multiplying Innovation by Implementation	Ir Trevor TANG of Towngas	Around 400 participants including 380 participants (online) and 20 participants (on-spot)
24 th Jan 2024	RetroLogic AI: Empowering Sustainable Building Futures – Revolutionizing Building Retrofitting with Intelligent Solutions	Dr Oscar CHAN of The Hong Kong Polytechnic University and Ir Rocky LAU	Around 400 participants including 380 participants (online) and 20 participants (on-spot)
14 th Mar 2024	Exploring the Future of Water Supply Systems with Automatic Meter Reading (AMR) Technologies	Mr. Wilson FUNG	Around 420 participants including 405 participants (online) and 15 participants (on-spot)
14 th Mar 2024	Pipe Condition Assessment in Hong Kong	Mr. Zico KWOK	Around 400 participants including 378 participants (online) and 22 participants (on-spot)
26 th Mar 2024	CAD 23/24 Annual Dinner		194 participants (on-spot)
12 th Apr 2024	AGI Unleashed – Transforming the Video Industries	Mr. Julian SIN of SenseTime	Around 190 participants including 167 participants (online) and 23 participants (on-spot)
14 th and 17 th May 2024	CAD 23/24 Summit	Various guest speakers	TBC
23 rd May 2024	Technical Webinar on EV Charger	Mr. Allen LEUNG	TBC

Note of Appreciation

I have to express my sincere gratitude to the OC Chairmen and their members of the key events for their significant contributions. Moreover, I have to show my appreciation to our Office Bearers, Ir Billy CHOW and Ir Kent LAM for coordinating the operations of our Division, Committee Members, like Ir Ivy CHAN & Ir Giselle Yip, and Ex-officio Members, i.e., Ir Paul CHAN, Representative of SSC and Mr. CC TANG, Representative of AMC for their contributions to the flagship events, and Convenors, like Ir Tommy CHEUNG, Ir Dr Leo FUNG, Ir Dr Stephen LAM, Ir Dr Jackey WEN & Dr Lisa SHAM, and Ex-official Member, i.e., Mr. Michael MA, Representative of YMC for their great support of both the CAD Booth Preparation of Carnival and the GBA Innovation Competition of the Hong Kong Engineers Week 2024 and the important events of our Division. Furthermore, I have to give my sincere thanks to Ir Louis YIU and Crystal CHAN for their coordination of seminars/webinars at the HKIE and Ir KM LO for his contributions to the CAD webpage.

Positions	Names in Full
Chairman	Ir Prof Louis Fat Shing LOCK
Immediate Past Chairman	Ir Dr Ming GE
Honorary Secretary	Ir Billy Man Hon CHOW
Honorary Treasurer	Ir Kent Wing Keung LAM
Public Service Committee (PSC) Representative	Ir Giselle Chung Wa YIP
Continuing Professional Development Committee (CPDC) Representative	Ir Ping Kuen LEE, JP
Council Member (Division)	Ir Dr Shu Lun MAK
Discipline Representative	Ir Alain Siu Wah TANG

CAD Membership

The total number of CAD members is 1,414 as of 2nd April 2024.

Appendix 1: Detailed Breakdown of Financial Data

(For Information only)

CAI Division

<u>INCOME</u>	1st Quarter <u>Apr - Jun 23</u>	2nd Quarter <u>Jul - Sep 2.</u>	3rd Quarter <u>Oct - Dec 23</u>	4th Quarter <u>Jan - Mar 24</u>	Year-to-date <u>Total</u>
C1 Sundry Income	-	-	-	-	-
C2 Sponsorship	-	-	-	-	-
C3 Donations Received	-	-	-	-	-
C4 Interest Income	78.73	-	168.06	-	246.79
C5 Special Income	-	-	-	-	-
C6 Affiliate Subscription	-	-	-	-	-
C10 Other Income	-	-	-	-	-
	<u>78.73</u>	<u>-</u>	<u>168.06</u>	<u>-</u>	<u>246.79</u>
<u>EXPENDITURE</u>					
E1 Printing & Stationery	-	(1,823.00)	(1,790.00)	(1,110.00)	(4,723.00)
E2 Postage	-	-	-	-	-
E3 Meeting/Catering Expenses	-	(4,600.00)	(6,438.00)	-	(11,038.00)
E3.1 Catering - H.O. Charges	(780.00)	(1,140.00)	(4,827.47)	(3,429.83)	(10,177.30)
E4 Sundries	(624.00)	-	-	-	(624.00)
E5 Souvenirs	(460.00)	(3,460.21)	(480.00)	(1,810.00)	(6,210.21)
E6 AGM (all expenses)	-	(236.90)	(111.70)	-	(348.60)
E7 Bank Charges	-	-	(250.00)	-	(250.00)
E8 Travelling	(55.50)	(1,672.40)	(612.00)	(2,315.60)	(4,655.50)
E9 Speakers Fees	-	-	-	-	-
E10 Venue Hire	-	-	-	-	-
E11 Sponsorship	(4,000.00)	(2,000.00)	-	-	(6,000.00)
E12 Head Office Functions	-	1,210.00	(21,600.00)	-	(20,390.00)
E20 Other Expenditure	-	-	-	-	-
	<u>(5,919.50)</u>	<u>(13,722.51)</u>	<u>(36,109.17)</u>	<u>(8,665.43)</u>	<u>(64,416.61)</u>
E31 Technical Seminar	(4,084.00)	(97.70)	(9,249.80)	(5,672.30)	(19,103.80)
E32 Published Article	(600.00)	-	(2,100.00)	-	(2,700.00)
E33 Technical Meeting	(57.40)	(347.80)	(2,718.90)	(551.40)	(3,675.50)
E34 CAD Summit	21,298.22	(229.20)	-	(128.10)	20,940.92
E35 National Day Dinner	-	(9,800.00)	(1,450.00)	-	(11,250.00)
E36 Technical Visit	-	(6,810.70)	(4,470.97)	(4,200.80)	(15,482.47)
E37 Paper Award	-	-	(15,400.00)	-	(15,400.00)
E38 Annual Dinner	-	-	-	60,858.71	60,858.71
E39 Social Activities	-	-	-	(376.00)	(376.00)
E90 HKIE Engineers Week	-	-	(388.40)	(16,572.60)	(16,961.00)
	<u>16,556.82</u>	<u>(17,285.40)</u>	<u>(35,778.07)</u>	<u>33,357.51</u>	<u>(3,149.14)</u>
Total Expenditure	<u>10,637.32</u>	<u>(31,007.91)</u>	<u>(71,887.24)</u>	<u>24,692.08</u>	<u>(67,565.75)</u>
Surplus/(Deficit) Before Approved Allocations	<u>10,716.05</u>	<u>(31,007.91)</u>	<u>(71,719.18)</u>	<u>24,692.08</u>	<u>(67,318.96)</u>
Surplus b/f from 22/23					117,468.34
Affiliate Subscription					6,077.00
2023/2024 Approved Allocations					53,000.00
Accumulated Surplus/(Deficit) c/f					<u>109,226.38</u>