

Chairman's message – Ir CS LEUNG 2020/21

It is indeed my great pleasure and privilege to be re-elected as the Chairman of the Control, Automation & Instrumentation Division (CAD). To cope with the fast-changing world, it is important to continue to focus on the digitization of manufacturing with autonomous systems, data and machine learning, and explore new technologies related to CAI discipline. I believe that this kind of technologies will definitely keep reshaping the future of how we live and work. At the same time, they will certainly open up a world of opportunities for our CAI engineers to develop and advance their careers.

Although part of our ongoing activities including the Annual Dinner and Technical Visits, etc. were cancelled or put on hold in consideration of the pandemic situation. Nevertheless, we endeavor to organise more online activities such as webinars to provide opportunities for members, academics and business partners to exchange their ideas and experience on emerging technologies and industry trends.

Besides, I would like to extend my heartfelt gratitude to the committee for their significant contributions to serve our members in the midst of these difficult times.

1. Flagship events in session 2020/21

a. Annual Symposium – Ir Louis YIU

The annual symposium was held successfully on 19th March 2021 in the format of webinar. Around 300 participants attended the event. The theme of this year's symposium was "New Generation of Automation & Digital Intelligence – TheAI". A number of professionals from different organizations and companies delivered presentations to share their expertise and experience on the latest developments and applications of emerging technologies such as 5G network, cybersecurity, artificial intelligence, and blockchain, etc. It is clear to see that nowadays control & automation engineers are contributive to the development of the smart city.

b. Annual Dinner/Reception – Ir CS LEUNG

In view of the situation of COVID-19 pandemic, the captioned event was cancelled.

c. Paper Award Competition – Ir Dr SL MAK

The competition aims to promote Control, Automation & Instrumentation technologies and encourage students, engineers and professionals to share their knowledge or experiences related to CAI discipline. With the theme "Innovation & Invention" this year, we received 18 quality papers from industries and academies. After the assessment process by the judging panel, the awards under the three categories, namely undergraduate level, postgraduate level and working professional level have been decided and the results will soon be announced.

d. Mainland Networking – Ir Prof Louis LOCK

In view of the situation of COVID-19 pandemic, we were unable to confirm the exact date and detailed arrangement of the delegation at this moment. Formal Division Delegation headed by Division Chair would be resumed when the problem related to the COVID-19 pandemic has been substantially solved.

2. Financial Statement (audited) – Ir Kent LAM

Please refer to Appendix 1.

3. Seminars and Visits

Please refer to Appendix 2.

4. Note of Appreciation

Sincere thanks to the OC chairmen of the abovementioned flagship events, our IPC Alain TANG, our Office Bearers Louis YIU, Kent LAM and Tony KWONG in coordinating CAD office operations. Our gratitude to Ben LAM for actively organizing events, seminars and activities, Discipline Rep Ir Prof Louis LOCK in guarding the welfare to ensure the quality of CAI engineers, webmaster Ir Nuffield NG in maintaining an attractive and updated webpage outlook.

Post	Name (in full)
Chairman	Ir LEUNG Chung Sing
Immediate Past Chairman	Ir Alain TANG Siu Wah
Deputy Chairman	Ir Louis YIU Yung Ngai
Hon Secretary	Ir Tony KWONG Tun Yin
Hon Treasurer	Ir Kent LAM Wing Keung
Public Services Committee (PSC) Representative	Mr. Benjamin LAM Yau Bun
Continuing Professional Development Committee (CPDC) Representative	Ir Nuffield NG Man To
Council Member (Division)	Ir Prof Eddie LOCK Hung Kee
Discipline Representative	Ir Prof Louis LOCK Fat Shing

5. CAD Membership

Allow me to disclose that the number of members of division is 1,469 as of 15th October 2020.

6. Way Forward

Thank you once again for the support and involvement in the divisional events and related activities in industry. I would like to express my sincere thanks to all helpers and committee members for their contribution and effort to serve the profession and industry proactively in the past year. It is clear to see that automation plays an important role in different industries nowadays. Thanks to the rapid development of automation technologies, the future of CAI is bright. We will continue to organize a series of events to keep our members in touch with novel ideas, emerging technologies, and industry

trends, and keep up with the momentum by enhancing collaboration with other disciplines and professional institutions in the coming session.

Financial Statement for 2020/21

1. The surplus bring forward from 2019-20 as at 1-Apr-2020 was **HKD51,716.74**
2. The total income and expenditure for the period of 1-Apr-2020 through 31-Mar-2021 were **HKD125,628.04 (Income) & HKD67,251.53 (Expenditure)**
3. The accumulated surplus of the Divisional account as at 31-Mar-2021 was **HKD110,093.25**

Detailed Breakdown of Financial Data

(For information only)

CAI Division

	1st Quarter <u>Apr - Jun 20</u>	2nd Quarter <u>Jul - Sep 20</u>	3rd Quarter <u>Oct - Dec 20</u>	4th Quarter <u>Jan - Mar 21</u>	Year-to-date <u>Total</u>
<u>INCOME</u>					
C1 Sundry Income	-	-	-	-	-
C2 Sponsorship	-	-	-	-	-
C3 Donations Received	-	-	-	-	-
C4 Interest Income	0.75	-	1.19	-	1.94
C5 Special Income	-	-	-	-	-
C6 Affiliate Subscription	-	-	-	-	-
C10 Other Income	-	-	-	-	-
	<u>0.75</u>	<u>-</u>	<u>1.19</u>	<u>-</u>	<u>1.94</u>
<u>EXPENDITURE</u>					
E1 Printing & Stationery	(53.00)	(583.50)	(1,620.00)	(4.00)	(2,260.50)
E2 Postage	-	-	-	-	-
E3 Meeting/Catering Expenses	-	(667.00)	-	(483.00)	(1,150.00)
E3.1 Catering - H.O. Charges	(124.25)	(315.50)	(124.25)	-	(564.00)
E4 Sundries	(2,534.00)	-	(1,001.00)	(2,875.00)	(6,410.00)
E5 Souvenirs	(410.00)	-	(100.00)	(2,100.00)	(2,610.00)
E6 AGM (all expenses)	(67.00)	-	(40.00)	-	(107.00)
E7 Bank Charges	-	-	-	-	-
E8 Travelling	(340.70)	(613.70)	(870.00)	(242.00)	(2,066.40)
E9 Speakers Fees	-	-	-	-	-
E10 Venue Hire	-	-	-	-	-
E11 Sponsorship	-	-	-	-	-
E12 Head Office Functions	-	-	-	-	-
E20 Other Expenditure	-	-	-	-	-
	<u>(3,528.95)</u>	<u>(2,179.70)</u>	<u>(3,755.25)</u>	<u>(5,704.00)</u>	<u>(15,167.90)</u>

Detailed Breakdown of Financial Data

(For information only)

E31 Technical Seminar	409.30	(10,046.23)	(1,190.00)	(5,750.70)	(16,577.63)
E32 Symposium (Webinar)	-	-	70,151.00	(4,834.90)	65,316.10
E33 Technical Visit	(2,426.00)	-	-	-	(2,426.00)
E34 Annual Reception	(50.00)	-	-	-	(50.00)
E35 Published Article	-	(1,500.00)	-	-	(1,500.00)
E36 Paper Award	-	-	(4,530.00)	(27,000.00)	(31,530.00)
	<u>(2,066.70)</u>	<u>(11,546.23)</u>	<u>64,431.00</u>	<u>(37,585.60)</u>	<u>13,232.47</u>
Total Expenditure	<u>(5,595.65)</u>	<u>(13,725.93)</u>	<u>60,675.75</u>	<u>(43,289.60)</u>	<u>(1,935.43)</u>
Surplus/(Deficit) Before Approved Allocations	<u>(5,594.90)</u>	<u>(13,725.93)</u>	<u>60,676.94</u>	<u>(43,289.60)</u>	<u>(1,933.49)</u>
Surplus b/f from 19/20					51,716.74
Affiliate Subscription					7,310.00
2020/2021 Approved Allocations					53,000.00
Accumulated Surplus/(Deficit) c/f					<u>110,093.25</u>

Appendix 2 – Activity List for CAD session 2020/21

3 July 2020	Technical Seminar: Affirmation of Electronic Nose and how the application in Hong Kong
6 July 2020	Technical Seminar: Innovation and Technology Integration in Building and Construction
10 July 2020	Technical Seminar: Installation, Testing, Commissioning & Maintenance of Pumps and Associated Pipeworks with Relevant Statutory Requirement for Water Supply System
4 Sep 2020	Webinar on “Practical Approach and Contemporary View for Today’s Project Management”
4 Sep 2020	Webinar on “Occupational Safety and Health for Smart City 2020”
24 Oct 2020	Webinar - HKIE CAD Paper Award Presentation 2019/20
3 Nov 2020	Webinar on “5G Era – Hong Kong and Worldwide”
12 Nov 2020	Webinar - Performance Analysis of Smart Grid Solutions in Distribution Power Systems
19 Nov 2020	Webinar – Route to Registered Quality Management Engineers
29 Jan 2021	Webinar: 易經與 2021 年預測
23 Feb 2021	Prize Presentation for CAD Paper Award Competition 2020
19 Mar 2021	The HKIE CAD Online Symposium 2021
28 Apr 2021	Webinar: Data-driven Waste Management and Resource Efficiency: Path to a Decarbonization and Circular Economy
3 May 2021	The 34th Annual General Meeting of the Control, Automation & Instrumentation Division
27 May 2021	Webinar: Artificial Intelligence and Big Data in Engineering and Education