

Submission to the HKIE Executive

Report of 41st Conference of the  
ASEAN Federation of Engineering  
and 30th Young Engineers of  
ASEAN Federation of Engineering  
Organisation Conference

20 - 24 November 2023 Bali, Indonesia

**The Hong Kong Institution of Engineers  
Young Members Committee**

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# 1. Introduction

## 1.1 Background

The 41<sup>st</sup> Conference of ASEAN (Association of Southeast Asian Nations) Federation of Engineering Organisation (CAFEO 41) in conjunction with the 30th Meeting of Young Engineers of ASEAN Federation of Engineering Organisation (YEAFFEO 30) was the highlight event of the ASEAN Federation of Engineering Organisation.

AFEO began in 1973 as an engineering convention held between The Institution of Engineers Malaysia (IEM) and The Institution of Engineers Singapore (IES). The primary objective of the IEM/IES Engineering Convention was to promote interaction and relationship between their members in view of their common historical backgrounds and geographical similarities. IEM and IES took turns to host the convention. In 1976, while preparing for the 3rd IEM/IES Convention, it was suggested that all other ASEAN countries should be invited. In 1980, an agreement was signed for the formal establishment of the ASEAN Federation of Engineering Organisation (AFEO) on 8th August 1982. AFEO is a non-governmental body affiliated with the ASEAN Secretariat. It is an organisation of the national engineering/technological institutions of the ten ASEAN member countries, including Brunei Darussalam, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand and Vietnam. Its members are the national institutions/organisations of engineers of the ASEAN countries.

The Conference of ASEAN Federation of Engineering Organisation (CAFEO) has been hosted annually by the different member institutions in a rotating order since 1982. CAFEO annually attracted more than 800 foreign and 350 local engineering professionals from various industries, fields and sectors. CAFEO 41, hosted by the Persatuan Insinyur Indonesia, was held in Denpasar, Bali in November 2023.

AFEO also looked after the interest of young engineers. In 1993, the committee of young engineers was established and, in 1994, the Bylaws of the formation of a young engineer group were approved and the definition of the Young Engineer was agreed. The group name was Young Engineers of the ASEAN Federation of Engineering Organisations (YEAFFEO). Its mission is to be a dynamic and progressive organisation that contributes to the development of young engineers in the ASEAN region. YEAFFEO represents the young engineers of the national engineering organisations under AFEO, comprising members engaged in the common professional interest of engineering. It promotes the importance of engineering on the advancement of the social, economic and industrial development of the ASEAN region; concert in the effort to elevate and improve the quality of life of the ASEAN people's dynamic actions and productivity to increase employment opportunities and equitable distribution of wealth among the masses of the ASEAN nations; participates actively in the industrial and technological programmes in ASEAN nations; encourages exchanging and sharing of engineering technology; emphasises on basic professional right, cognisant of the need to establish harmony and relationship among the members.

CAFEO 41 has set the theme "Igniting Asean's Blue Economy and Green Energy" for the conference and participants discussed pertinent issues and trends that contribute to the Sustainable Development Goals (SDGs) in the region, focusing on connectivity, equitability and prosperity. Key topics included transportation & logistics, information & telecommunication, education & capacity building, sustainable cities & power and electrical & renewable energy.

This year, six delegates, namely Ir CHEUNG Tin King (Chairman), Ms KAM Wing Sum (Deputy Chair), Mr Tommy CHAN Tsz Ki (Honorary Treasurer), Mr Donald KWAN Ho Man (Committee Member), Ms Jasmine NG Ka Ki (Co-opted Member), and Mr Martin LAM Tsz Yeung (Event Coordinator), represented the Young Members Committee of the

Hong Kong Institution of Engineers (HKIE-YMC) to attend CAFEO 41 and YEAFEO 30.



## 1.2 Objectives

The objectives of HKIE-YMC attending CAFEO 41 and YEAFEO 30 included:

- To broaden horizons in the engineering profession through sharing with young engineers from other countries;
- To enhance career perspectives of the young members;
- To gain exposure to large-scale international conferences;
- To nurture the leadership and communication skills of younger generations;
- To gain knowledge in the current practices of other countries;
- To exchange technical knowledge/ideas/culture with engineers worldwide;
- To expand the network of our young engineers with participants from other countries;
- To promote the HKIE and the HKIE-YMC to other countries; and
- To establish long-term partnerships with young engineers from other countries.

## **2. YEAFEO Meeting**

### **2.1 Country Report**

In the country report, each institution provided a brief sharing of their organisations, activities held in the last session and the upcoming events in their year plans. With the theme of “Collaboration with Nature to Build Sustainable Environment Through Blue Economy and Green Energy”, country representatives from each institution also presented the major challenges in their countries, the corresponding strategies and engineering solutions to tackle the issues, in relation to topics such as energy, transportation, telecommunication, industry and infrastructure.

Being a country with more than seventeen thousand islands, Indonesia faced major challenges in mobility and connectivity among islands. Not only are new roads, bridges and railroads built, but innovations and multinational cooperation targeting sustainable development are also encouraged. Besides engineering challenges, the host country also presented her past activity calendar, including a series of sharing virtually as the prelude of the Young Engineers Festival, where young advocates shared innovative technologies in the market. The HKIE-YMC delegates gained more understanding of other engineering organisations in the ASEAN regions and more new ideas of activities for members’ benefit.

For Hong Kong, Ir TK CHEUNG, Chairman of the HKIE-YMC, started with an introduction of the HKIE and the HKIE-YMC and the major events organised in the previous session, such as the various delegations and active support in the Engineers Week held by the HKIE. Other delegates echoed CAFE0 41’s theme and provided an overview of Hong Kong’s status on Smart, Green and Resilience. Mr. Martin LAM presented the focused industries under the Hong Kong Innovation and Technology Development Blueprint. Ms. Keiko KAM and Mr. Donald KWAN presented the directions and solutions to be adopted in the Kau Yi Chau Artificial Islands and North Metropolis Development, including

urban forestry, open space hierarchy and co-existence of development and conservation. Mr. Tommy CHAN and Ms. Jasmine NG presented the flood prevention strategy as an example of up keeping resilience in city development with engineers' work.



## **2.2 YEAFEO Governing Board Meeting**

The board meeting is held annually for young engineers to discuss cooperation among YEAFEO member organisations. Though Hong Kong is not an official member of ASEAN, the HKIE-YMC delegates were invited to be the observer of YEAFEO and attend the Board Meeting.

The meeting was chaired by the host country Persatuan Insinyur Indonesia (PII). After closing the discussions on matters that arose at the previous Board Meeting (the YEAFEO 23 Board Meeting in the Philippines), a report was presented at the Mid-term Meeting at The Institution of Engineers Singapore (IES). The Board then discussed new matters including the updating of the YEAFEO Newsletter & social media, collaboration with FEIAP, the Youth Talent Innovation Competition, the outstanding fee collection for the winners of the 2022 Outstanding Young Engineers Award, the appointment of the YEAFEO office bearers etc.

For all the effort of the previous several years, the YEAFEO pins have been successfully produced this year and distributed to the YEAFEO members. The Board also announced that CAFEO 42 and YEAFEO 31 would be hosted by The Institution of Engineers Malaysia (IEM) in Sabah in November 2024.





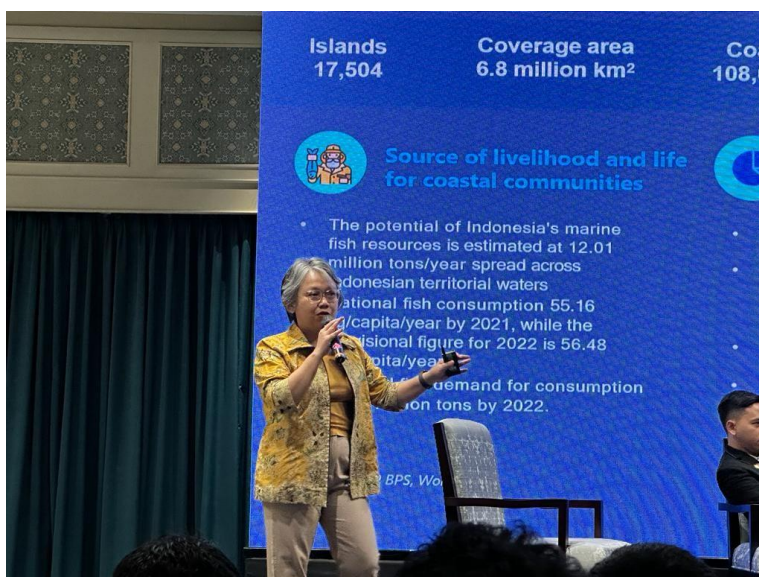
# 3. Young Engineer Festival

## 3.1 Young Engineer Festival – Section I

The Young Engineer Festival (YEF) is a platform for young engineers to showcase their work, collaborate, and learn from experienced professionals in the engineering field. The topics of the YEF echo the theme of CAFEO this year “Collaboration with Nature to Build Sustainable Environment Through Blue Economy and Green Energy”.

### The Implementation of Blue Economy – Marine and Fisheries Sector

In Section I, YEF invited Dr. Anastasia Rita Tisiana Dwi Kurwardani who is the Head of the Center Socioeconomic Research, Mistry of Maritime Affairs and Fisheries to provide a technical talk related to the Blue Economy Policies: Marine and Fisheries Sector. She suggested that we should secure the seas and the marine resources by expanding the marine conservation area. On the other hand, we should reduce pressure on fisheries activity, such as providing quota-based fishing and sustainable aquaculture development. Furthermore, we should secure marine areas by coastal and small island monitoring and plastic waste controlling.



## **Optimizing the Indonesia's Maritime Industry and Ocean Renewable Energy for Next Generation of Blue Economy Players**

Prof. Dr. Ir. Buana Ma'ruf, a Research Professor at the National Research and Innovation Agency, shared insights on implementing the blue economy and green energy in the maritime industry. He suggested that the renewable energy portion in the energy mix is expected to increase in the future. He also promoted the concept of the Maritime Cluster and Smart Maritime City.

The Maritime Cluster would encompass various sectors such as the marine industry, offshore production of renewable energy, shipping companies, and ports, among others. It would aim to foster collaboration and development within these areas.

On the other hand, the Smart Maritime City should strive to be globally competitive and connected within the maritime industry. It would serve as a hub for national and international logistics, facilitating efficient and seamless operations.



## **Social Recycling to Boost Blue Economy**

The last speaker of the YEF Section I was Frederick Ramadhani Saman, the Director of Plastic Bank Indonesia. He highlighted that Indonesia is facing a significant challenge as the world's fifth-largest contributor to ocean plastic pollution. Therefore, several improvements, including enforcement, monitoring and reporting, and incentives and penalties, are necessary.

The government should ensure that all plastic producers comply with the requirements outlined in the decree. Furthermore, authorities should track progress towards the waste reduction target. Encouraging compliance and discouraging non-compliance may involve establishing appropriate incentives and penalties as methods to reduce ocean plastic pollution.



### **3.2 Young Engineer Festival – Section II**

Kickstarted with the National Anthem and Hymne PII Song, the Section II of the Young Engineer Festival continued with a series of seminars to provide young engineers with learning opportunities to learn from seasoned professionals in the engineering field.

#### **The Role of CCS/CCUS and Carbon Trading in Supporting Energy Transition towards Net-Zero Emissions by 2060**

The seminar, featuring Ir Nanang Untung, as the honourable speaker, highlighted the importance of CCS/CCUS technologies and carbon trading in driving the energy transition towards achieving net-zero emissions by 2060. Key discussions included the need to reduce greenhouse gas emissions, with particular emphasis on the energy industry's role as the largest emitter. The energy sector roadmap for Indonesia was introduced, outlining strategies such as electrification, new energy carrier (hydrogen and ammonia), CCS/CCUS, and energy efficiency applications. The seminar also showcased the Cirata floating solar power plant, Southeast Asia's largest, with the potential to reduce CO<sub>2</sub> emissions by 214,000 tons per year. The recent launch of emission trading and the Carbon Exchange in Indonesia were highlighted, along with the importance of stakeholder participation and the challenges associated with carbon trading. AFEO Engineers were encouraged to actively engage and anticipate trends in CCS/CCUS and Carbon Trading programs. The seminar provided valuable insights and recommendations for fostering a sustainable and low-carbon future.



### **Tech Implementation for Bridging Blue Economy – Collaborating with Nature for a Marine Conservation and Sustainable Future (Practitioner Insights)**

The speaker of the seminar, Mrs Ranitya Nurlita, is the founder of Wastehub, a local smart city consultant for UN ESCAP and community manager of Oceancycle. The seminar discussed the importance of technology in bridging the blue economy with marine conservation efforts. The concept of blue economy was highlighted to extend beyond traditional sectors like tourism and fisheries, encompassing marine biotechnology, renewable offshore energy, maritime spatial planning, and waste disposal management. Mrs. Nurlita emphasized the need to address the issue of plastic waste entering the ocean from land, introducing the Oceancycle initiative as a solution. Oceancycle incentivizes community engagement in collecting, transporting, and processing plastic waste, while also promoting the creation of new products and building demand for recycled plastic. Recycling plastic waste was emphasized as a crucial step in reducing plastic pollution, while also presenting opportunities for economic value creation. The seminar showcased the potential of

technology and collaborative efforts in fostering a sustainable future for a blue economy and marine conservation.



### **Green Building Design in Turyapada Tower Project – Sustainable Development and Environment Protection**

The Turyapada Tower project, featuring the revolutionary green building design, was presented in a seminar by the distinguished speaker Dr. Ir. Ar. Ngakan Ketut Acwin Dwijendra. Dr. Dwijendra, an expert in sustainable architecture and green building design, showcased the project as a prime example of the future of sustainable architecture. The ambitious Turyapada Tower project integrates green building requirements such as water efficiency, material usage control, waste management, energy efficiency, wastewater management, air quality, and indoor comfort. Notably, the project utilizes a dual structure system comprising shear walls and steel frames to ensure lateral resilience against wind and earthquake loads. The implementation of a Diagrid structure system further enhances the tower's lateral stability. With Dr. Dwijendra's expertise and the incorporation of sustainable principles, the

Turyapada Tower stands as an iconic development that harmoniously combines modern architecture with environmental protection.



## **4. Technical Visits**

### **4.1 Bali Mandara Toll Road**

On the 21st of November, 2023, a visit was organized for YEAFEO delegates to the Bali Mandara Toll Road. The purpose of the visit was to gain insights into the background, operation, and maintenance of the toll road.

The technical visit commenced in the afternoon, with participants travelling by coach from the hotel to the Bali Mandara Toll Road. We were granted special permission to stop at one of the Tohe Toll machines, which is typically not allowed for regular visitors. The operations manager then provided us with detailed information regarding the toll road.

The Nusa Dua-Ngurah Rai-Benoa toll road was constructed in March 2012 and was completed in October 2013. The toll road serves as an essential infrastructure supporting Ngurah Rai International Airport, which serves as the main gateway to Bali. Additionally, the toll road plays a crucial role in strengthening the distribution of goods and services through Benoa Port on the island of Bali. The toll road spans a length of 12.7 km and was completed within 14 months, aiming to alleviate traffic congestion in Bali's primary tourism destinations.

An interesting aspect of the Bali Mandara Toll Road is its construction, which relied solely on funding from Indonesian local companies without any foreign investment. The project's total expenditure of IDR 2.4 trillion (USD 220 million) was financed by the Indonesian state-owned bank and Jasa Marga. Furthermore, all materials and technologies utilized during the construction process were manufactured within Indonesia, showcasing the nation's capabilities in producing high-quality infrastructure. The toll road proudly represents a testament to Indonesian ingenuity and expertise.



As one of the participants in the technical visit, it was evident that the Bali Mandara Toll Road left a lasting impression, not only due to its functional significance but also through its representation of Indonesian achievements and self-reliance in infrastructure development.



## 5. Networking

### 5.1 Welcoming Dinner and Performance

In order to extend a warm welcome to delegates from other countries attending CAFEO41, Dr. Ir. Danis Hidayat, the Chairman of AFEO, along with the Acting Governor of the Department of Human Development and Culture of Bali, Ir. I Made Suarsana M., organized the CAFEO Welcoming Dinner in Jaya Sabha on 21st November 2023.

The event commenced with an opening speech by the Acting Governor of Bali, who congratulated the successful hosting of CAFEO41 and expressed hopes that all participants would enjoy their time in Bali. Following this, the Chairman of AFEO also delivered a welcome speech and expressed gratitude for the government officials' hospitality in hosting the dinner.

Amidst the backdrop of local cuisine and traditional performances, the relaxed ambience provided an excellent opportunity for participants to engage in knowledge sharing and exchange experiences. As a gesture of friendship and partnership, delegates from all AFEO countries exchanged gifts during the memorable evening. The night culminated with a captivating singing performance by a local artist, and participants were invited to join the guests on stage for a lively dance.



## **5.2 YEAFEO Dinner**

The YEAFEO dinner took place at Minoos Beach Club on the night of November 22, 2023, a stunning waterfront venue known for its picturesque location and vibrant atmosphere. The event was organized to foster cultural exchange and networking among young entrepreneurs and future leaders from different countries. The evening was marked by the exchange of souvenirs, allowing participants to share a piece of their respective cultures.

One of the highlights of the dinner was the souvenir exchange. Each delegate brought a representative item from their country, symbolizing their culture, heritage, or entrepreneurial spirit. The exchange of souvenirs provided an opportunity for participants to learn about diverse customs, traditions, and business practices from around the world. It was a truly enriching experience that promoted cross-cultural understanding and appreciation.

Minoos Beach Club offered a captivating ambience with its beautiful beachfront location. Participants had the opportunity to relax and enjoy the beach and pool facilities, fostering a sense of camaraderie and relaxation. The lively music further enhanced the atmosphere, creating a vibrant and energetic vibe that added to the overall enjoyment of the evening.

The YEAFEO dinner at Minoos Beach Club was a remarkable event that brought together young delegates from different countries. The exchange of souvenirs facilitated cultural understanding and appreciation, allowing participants to connect on a deeper level. The beach, pool, and music provided a delightful backdrop, creating an atmosphere of relaxation and enjoyment. Overall, the event was a resounding success, promoting networking, collaboration, and lasting memories for all attendees.



### **5.3 Closing Ceremony**

The closing ceremony was held at Bali International Convention Centre on 23 November 2023 to mark the official end of CAFE041 and YEAFEO30. A number of ASEAN Engineering Achievement Awards were presented. The President of CAFE041 delivered a closing speech and handed over the CAFE0 flag to Malaysia, the host of CAFE042. The ceremony ended with a traditional dance which many delegates joined in as a unity. This was a memorable night for all of the delegates from different countries.



## 5.4 Water Sport

Bali, renowned for its water activities, is widely recognized as one of the top vacation destinations. As CAFEO41 drew to a close, YEAFEO organized a special event on 23rd November 2023 aimed at fostering stronger connections among young engineers - the Young Engineers Water Sport.

The event encompassed two segments: water sports and a visit to Turtle Island. Participants congregated at a picturesque beach near Nusa Dua to partake in thrilling activities such as banana boat rides. This engaging experience not only promoted physical bonding but also allowed them to immerse themselves in the natural splendor of Bali. Subsequently, the participants embarked on a boat trip to a local turtle habitat, where they had the opportunity to learn about turtle conservation efforts and witness firsthand the growth and protection of these magnificent creatures.



## **5.5 CAFEO 41 Fun Walk and Sunrise Yoga**

The CAFEO 41 Fun Walk and Sunrise Yoga event took place on 20 November 2023, in the beautiful surroundings of Nusa Dua, Bali, Indonesia. The event aimed to promote a healthy and energetic start to the day through a fun walk and sunrise yoga session.

The event commenced at 5:30 AM at The Westin Resort, which served as the starting point for the Fun Walk. Participants gathered at the designated location, displaying enthusiasm and excitement for the upcoming activities. The weather was favourable, with clear skies and a gentle breeze, setting the stage for a memorable morning.

### **Fun Walk**

The Fun Walk started promptly at 5:30 AM, with participants embarking on a scenic route around Nusa Dua. The walk provided an opportunity for attendees to engage in physical activity, enjoy the natural beauty of Bali, and connect with fellow participants. The route showcased the stunning landscape, including lush greenery, coastal views, and cultural landmarks. Participants were encouraged to maintain a steady pace and make the most of the invigorating morning atmosphere.

### **Sunrise Yoga**

Following the completion of the Fun Walk, participants made their way to Nusa Dharma Island for the Sunrise Yoga session. The island, with its tranquil ambiance and breathtaking views, provided an ideal setting for a rejuvenating yoga experience. The yoga instructor guided participants through various poses, focusing on relaxation, stretching, and mindfulness. As the sun began to rise over the horizon, casting a warm glow across the surroundings, participants found inner peace and balance.

## **Baby Turtle Release**

In addition to the fun walk and sunrise yoga, the event highlighted the importance of turtle conservation. Seranganbeach, along with other beaches in Bali, is home to Lekang turtles (*Lepidochelys olivacea*). To protect this turtle species from extinction, the local government established a turtle conservation center on Serangan Island. During the event, participants had the opportunity to take part in a Baby Turtle Release. This activity involved releasing young turtles into the ocean, allowing them to begin their journey and contribute to the preservation of the species. This experience not only raised awareness about turtle conservation but also left a lasting impact on the participants, fostering a sense of responsibility towards protecting marine life.

The CAFEO 41 Fun Walk and Sunrise Yoga event successfully combined leisure, nature appreciation, and environmental conservation.

Participants had the chance to enjoy a rejuvenating walk, connect with fellow participants, and foster physical well-being.







## 6. Conclusion

Delegates from HKIE-YMC have fulfilled the following objectives when participating in the CAFEO 41 and the YEAFEO 30:

- To broaden the horizon of young engineers though:
  - gain knowledge on the current practices of other countries
  - exchange technical knowledge/ideas/culture with young engineers worldwide
  - exposure in large scale international conference
- To promote the image of the Hong Kong Institution of Engineers (HKIE) and the Young Members Committee (HKIE-YMC) to other countries;
- To tell a good story of Hong Kong engineering industry
- Extend and maintain the network to the overseas young engineering institutions
- To nurture the leadership and communication tactics of younger generations

The initiative of the participation of CAFEO 41 and YEAFEO 30 of HKIE-YMC was in line with the President in his HKIE Presidential Address 2023/2024 and his goals to nurture young engineers, facilitate the exchange of knowledge and ideas, and expand members' horizons. In the past few years, delegates from the HKIE-YMC attended the conference as guests and observers.

The CAFEO 41 and YEAFEO 30 this year were a valuable experience for professional engineers, especially young engineers. The six HKIE-YMC delegates have gained exposure to attending this large scale international conference, increased their engineering knowledge, improved communication skills and developed inter-personal qualities to work with engineers from different countries. Furthermore, it has broadened the delegates' worldview and understanding of global interconnectivity. After years of active participation at YEAFEO, it has been suggested that

HKIE-YMC could utilise the network and the experience to host a similar international young engineers exchange activity in Hong Kong to strengthen the bonds between engineering societies and raise the awareness of our local engineers on global issues. Next year, CAFEO 42 and YEAFEO 31 will be held in Malaysia, Sabah. The HKIE-YMC will continue to encourage more young engineers to attend this meaningful event.



## 7. Feedback

Ir TK CHEUNG

I am honoured to have represented the HKIE-YMC as a YEAFEO observer in the CAFEO-41. This is my third time attending the CAFEO, and all of them are invaluable memory.

The theme of HKIE-YMC of this session is “Enlightening beyond our horizon”. The delegation to CAFEO was organized with this theme in mind, recognizing the importance of exposing our young engineers to diverse ideas, innovative practices, and regional collaborations. CAFEO provided a platform for knowledge sharing, and collaboration, allowing young engineers like us to explore new frontiers. By attending CAFEO, we aimed to expand our horizons and gain insights into the current trends, challenges, and opportunities in the engineering profession across ASEAN countries. The conference also provided numerous opportunities for networking and collaboration with fellow young engineers in YEAFEO. Interacting with these like-minded individuals allowed us to share experiences, exchange ideas, and establish connections for potential future collaborations.

I was delighted to see our delegates immerse themselves in the rich experiences of the CAFEO conference. They readily engaged in thoughtful discussions with fellow young engineers from across Asia and formed new bonds. I would like to convey my heartfelt gratitude to our good team of delegates for their contribution in researching and telling a good story of Hong Kong, and joining hands in strengthening our ties with our neighbours.



Ms Keiko KAM

International exposure and exchange are important for engineers to explore their mind and gain global views on the engineering profession. Echoing the President's theme of "We Engineer We Serve", the CAFEO 41 and YEAFEO 30 in Bali is an eye-opening experience for our delegates to gain insights and exchange knowledge and ideas with ASEAN engineers who strived for a common goal - sustainable development. We shared and learnt about the engineering challenges and solutions in different regions in enhancing connectivity, prosperity and equitability, and witnessed the convenience and comfort in Bali brought by its infrastructure and digital technology. More than the technical aspect, the delegation provided a platform for YMC to maintain close relationship with other engineering institutions. I look forward to our partnership and collaboration in the future, working together to sustain excellence in the engineering profession. It is always sweet to meet young engineers of different backgrounds, sharing similar culture and tone. Interactions with other delegates are like little sparks lighting up the passion to continue to serve the engineering community. Let us pass the ripples of love back to Hong Kong to learn and serve. I look forward to meeting the old and new faces in CAFEO 42 and YEAFEO 31!



Mr Tommy CHAN

I am honoured to have been one of the HKIE-YMC delegates to CAFEO 41 and YEAFEO 30 in Bali. This delegation provided me with an excellent platform to exchange knowledge and ideas with engineers from various disciplines and countries. I would like to express my gratitude to the HKIE for sponsoring this event.

During the delegation, my horizons were expanded through various events, such as the Young Engineer Festival and the Technical Visit to the Bali Mandara Toll Road. These events provided opportunities for me to engage in discussions on diverse topics, including the Blue Economy, Indonesian Railway Connectivity, and resilience design in Hong Kong. Our goal of exchanging cultural and technical knowledge with foreign engineers was indeed achieved.

I would like to take this opportunity to sincerely thank King, Keiko, Donald, Jasmine, Martin, and all the other delegates for the unforgettable massages, drinks at the bar, trying the local food, ATV in the Jungle and the cherished memories created during this wonderful journey.



Mr Donald KWAN

CAFEO is a valuable experience for engineers to gain international exposure to broaden their perspectives and develop a global understanding of the engineering profession. I am delighted to be one of the delegates to attend CAFEO41 in Bali this year. The conference was a remarkable platform for knowledge exchange and networking, with diverse range of speakers and attendees from various corners of the globe provided a rich tapestry of ideas, perspectives, and expertise. Engaging with professionals from different backgrounds broadened my horizons and allowed me to gain a deeper understanding of the latest advancements and trends in engineering, especially on trending topics such as sustainable development.

In addition to the technical aspects, the conference also provided ample opportunities for cultural exchange and exploration. The social networking events offered a chance to connect with other delegates on a more personal level to foster friendships. I had the privilege of experiencing the local culture, cuisine, and traditions, which added an extra layer of enrichment to the overall experience.

I would also like to take this opportunity to thank HKIE for the support, and to extend my deepest appreciation to other delegates for their impeccable planning and execution. I believe the experience in CAFEO41 was unforgettable that has had a profound impact on both my personal and professional growth. I return home with a renewed sense of enthusiasm, a wealth of knowledge, and a network of connections that will undoubtedly shape my future career.



Ms Jasmine NG

Attending CAFEO41 and YEAFEO 30 was an immensely rewarding experience. Besides acquiring valuable engineering knowledge, the conference provided an exceptional platform for me to engage with engineers from diverse backgrounds. We shared ideas, made lasting connections, and had a fantastic time together.

From participating in fun walks and sunrise yoga to engaging in water sports and attending technical seminars and visits, we created remarkable memories. The closing ceremony was unforgettable, with engineers from various countries coming together on stage, transcending cultural differences and sharing in the joyous celebration. This experience exemplified the power of friendship and collaboration, and I genuinely hope these bonds endure for potential future cooperation.

The conference not only facilitated professional growth but also provided a unique opportunity for young engineers to learn and connect. The exchange of ideas broadened my understanding of engineering practices and challenges across different ASEAN regions. Witnessing the passion and dedication of my peers was truly inspiring, and I am grateful for the knowledge and insights they generously shared.

I extend heartfelt gratitude to the HKIE and all the delegates for their unwavering support throughout this incredible journey. Participating in CAFEO41 and YEAFEO 30 expanded my professional network and reaffirmed my commitment to the engineering industry.





Mr Martin LAM

In my first year as a committee member of the HKIE YMC, I had the incredible opportunity to attend notable international events, CAFEO41 and YEAFEO30. Reflecting on my experience, I am filled with gratitude for the invaluable connections I made and the diverse group of inspiring individuals and young engineers I had the privilege to interact with.

CAFEO41 provided a unique platform for networking and learning, allowing me to engage with professionals from various backgrounds. The wisdom and knowledge shared by the speakers resonated deeply with me, leaving a profound and lasting impression. Their expertise and insights have undoubtedly enriched my perspective on engineering and beyond.

Attending both CAFEO41 and YEAFEO30 was a truly life-changing experience that I will forever hold dear. These conferences not only fostered personal growth but also empowered and inspired me to strive for excellence in my field. The connections forged and the knowledge acquired during these events have had a significant impact on my professional and personal development. I am grateful for the opportunity to participate in such transformative gatherings.

Throughout the conference, we were fortunate to partake in enlightening seminars, engaging site visits, and captivating cultural excursions. Among the myriad of unforgettable moments, the closing ceremony stands out vividly in my memory. Witnessing young engineers from different countries perform their cultural acts, we all came together on stage, singing along in harmony. It was a truly unifying and uplifting experience that exemplified the spirit of camaraderie that prevailed throughout the conference.

I would like to take this opportunity to express my heartfelt appreciation to the HKIE YMC for selecting me as one of the six delegates to represent my country and the HKIE. Their belief in my potential and their support in attending this conference has opened my eyes to new horizons and expanded my worldview. I am sincerely grateful for the opportunities and experiences that CAFEO41 and YEAFEO30 have provided, and I am eager to carry the lessons learned into my future endeavors.



## **Appendix A**

CAFEO 41 & YEAFEO 30 – Bali at a glance

### 1. Jaya Sabha

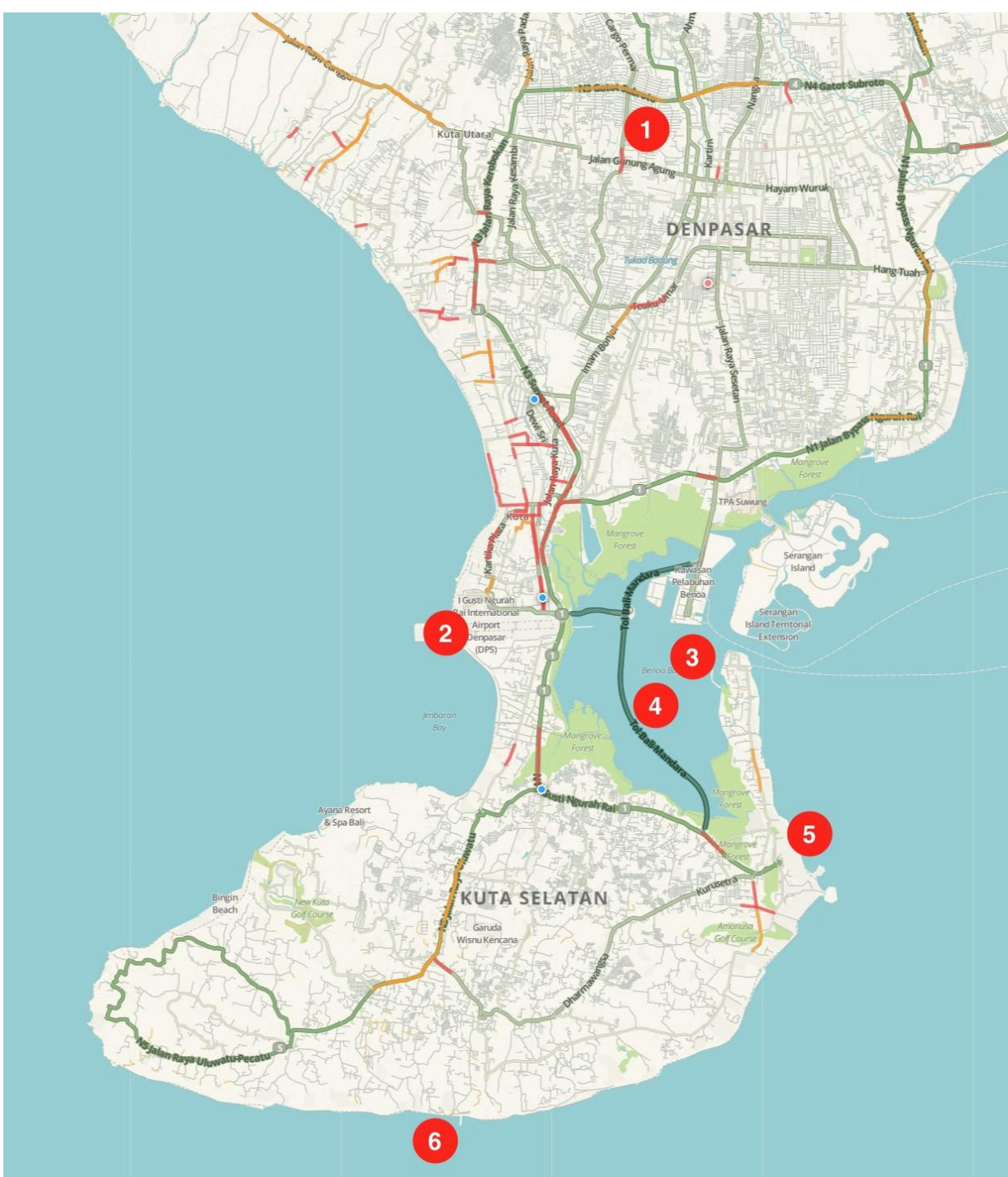
Welcoming Dinner & Performance

### 2. Denpasar International Airport

Arrival & departure airport

### 3. Turtle Island

Water Sport & animal conservation



4. Bali Mandara Toll Road  
Technical visit

5. Bali International Convention Centre  
Conference, Opening & Closing Ceremony, Young Engineer Festival

6. Mino Beach Club  
YEAO Dinner

## **Appendix B**

### Conference Programme

## Appendix B - Programme Summary of CAFEO 41 and YEAFEO 30

Programme Summary of CAFEO 41							
<b>Day</b>	20 Nov 2023						
07:00 - 12:00	AFEO Golf Tournament 2023		AFEO Fun Bike 2023 AFEO Fun Walk 2023		Arrival, Registration and Check In of Participants, Foreign Delegates & Paper Presenters		
13:00 - 16:00	Technical Visit Tour						
16:00 - 19:00	Break and/or Mobilization						
19:00 - 21:00	AFEO CHAIRMAN GALA DINNER						
<b>Day</b>	21 Nov 2023						
	Main Ballroom	Nusa Dua 1	Nusa Dua 2	Nusa Dua 3	Nusa Dua 4	Corridor	Outdoor
08:00 - 11:00	YOUNG ENGINEER FESTIVAL	AEI Building Inspectors Steering Committee Meeting	AEI Manufacturing Inspectors Steering Committee Meeting	AEI Electric Inspectors Steering Committee Meeting	YEAFEO Country Report	Exhibition	Spouse Program
11:00 - 11:30	TEA BREAK						
11:30 - 13:00	Reserve for event (TBC)	Energy Work Group Meeting	Environmental Engineering Work Group Mooting	Sustainable Cities Work Group Meeting	FEIAP Exco Meeting	Exhibition	pouse Program
13:00 - 14:00	LUNCH						
14:00 - 15:30	AER Certificate Presentation	Transportation & Logistics Work Group Meeting	Geotechnical Work Group Meeting	Education & Capacity Building Work Group Meeting	YEAFEO Governing Board Meeting	Exhibition	pouse Program
15:30 - 15:45	TEA BREAK						
15:45 - 1715	AER Certificate Presentation	Disaster Preparedness Work Group Meeting	Innovation Tech Work Group Meeting	Engineering Mobility	WEAFEO Governing Board Meeting		
18:30 - 20:30	Welcome Dinner All Delegates						
<b>Day</b>	22 Nov 2023						
08:00 - 08.30	Re-register/ Signing-in of delegates						

08:30 - 08:45	Arrival of invited guests, senior members						
08:45 - 09:00	Arrival of Guest of Honor						
09:00 - 09:15	Order of the Opening Ceremony, National Anthem (Indonesia Raya) & ASEAN Anthem Introduction of the Heads of Member Organizations AFEO Handshake & Photo Session						
09:15 - 10:00	Welcome Speech by Ir. Joko Widodo President of Indonesia						
10:00 - 10:20	Official Ceremony Opening						
10:20 - 11:00	Traditional Art Perform						
11:00 - 11:30	Touring of Exhibition						
11.30 - 12:00	Guided Tour for Guest of Honor and Head of Delegates at CAFEO BALI Exhibition						
12:00 - 13:30	Lunch						
13.30 - 15:00	CAFEO Conference	AER Commission Meeting	AAET Meeting	Reserve for event (TBC)	WE-AFEO Country Report	Exhibition	
15:00 - 15:30	TEA BREAK						
15:30 - 17:00	CAFEO Conference	AER Commission Meeting		Reserve for event (TBC)	WE-AFEO Country Report	Exhibition	Spouse Program
17:00 - 07:00	Free and Easy						
<b>Day</b>	<b>23 Nov 2023</b>						
08:00 - 09:45	Country Report	Sembang Chillex Regional (Reserve)	Seminar (TBC)	CSE Forum	WOMAN Summit	Exhibition	Young Engineer Outbound
09:45 - 10:00	TEA BREAK						
10:00 - 11:45	Country Report		Seminar (TBC)	CSE Forum	WOMAN Summit	Exhibition	Young Engineer Outbound
11:45 - 13:00	Lunch						
13:00 - 15:00	AFEO Governing Board Meeting						
15:00 - 18:00	Break						
18:00 - 18:30	Closing Ceremony						

18:30 - 18:45	Signing of Declaration and Gift Exchange			
18:45 - 20:00	Farewell Dinner			
20:00 - 20:30	Speeches and Handover of flag to the incoming chairman of CAFEO 42			
20:30 - 21:00	Culture performance - Angklung Harmonic			
<b>Day</b>	<b>23 Nov 2023</b>			
08:00 - 17:00	Education & Capacity Building / Innovation Tech Working Group Technical & Culture Visit Tour	Geotechnical / Disaster Preparedness / Transportation & Logistics Working Group Technical & Culture Visit Tour	Energy / Environmental Eng / Sustainable Cities Working Group Technical & Culture Visit Tour	WEAFEO Technical & Cultural Visit

The program may change as per the latest announcement by CAFEO 41



## **Appendix C**

### Financial Report