

The International Conference on Innovative Engineering Education 2025

12 September 2025
Bangkok, Thailand

Reporting on TABEE's Engagement and Progress
with the International Engineering Alliance and the Washington Accord
~ from IEET's mentor perspectives

Dr. Mandy Liu
CEO, IEET

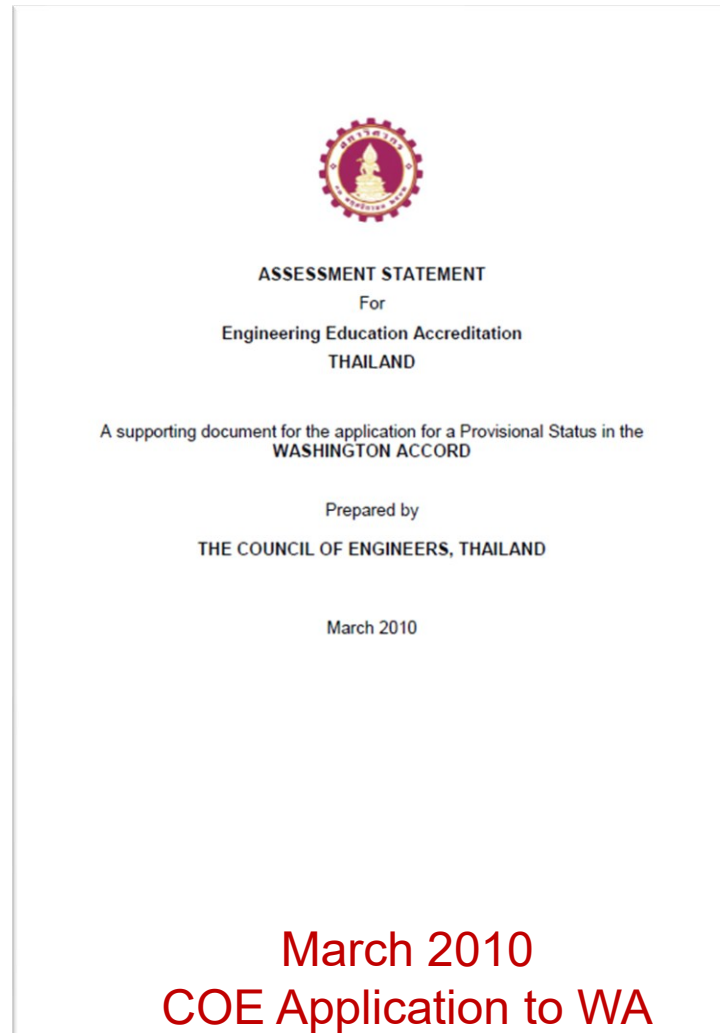
Prof. Liang-Jenq Leu
President, IEET

The Journey started in 2009/2010...

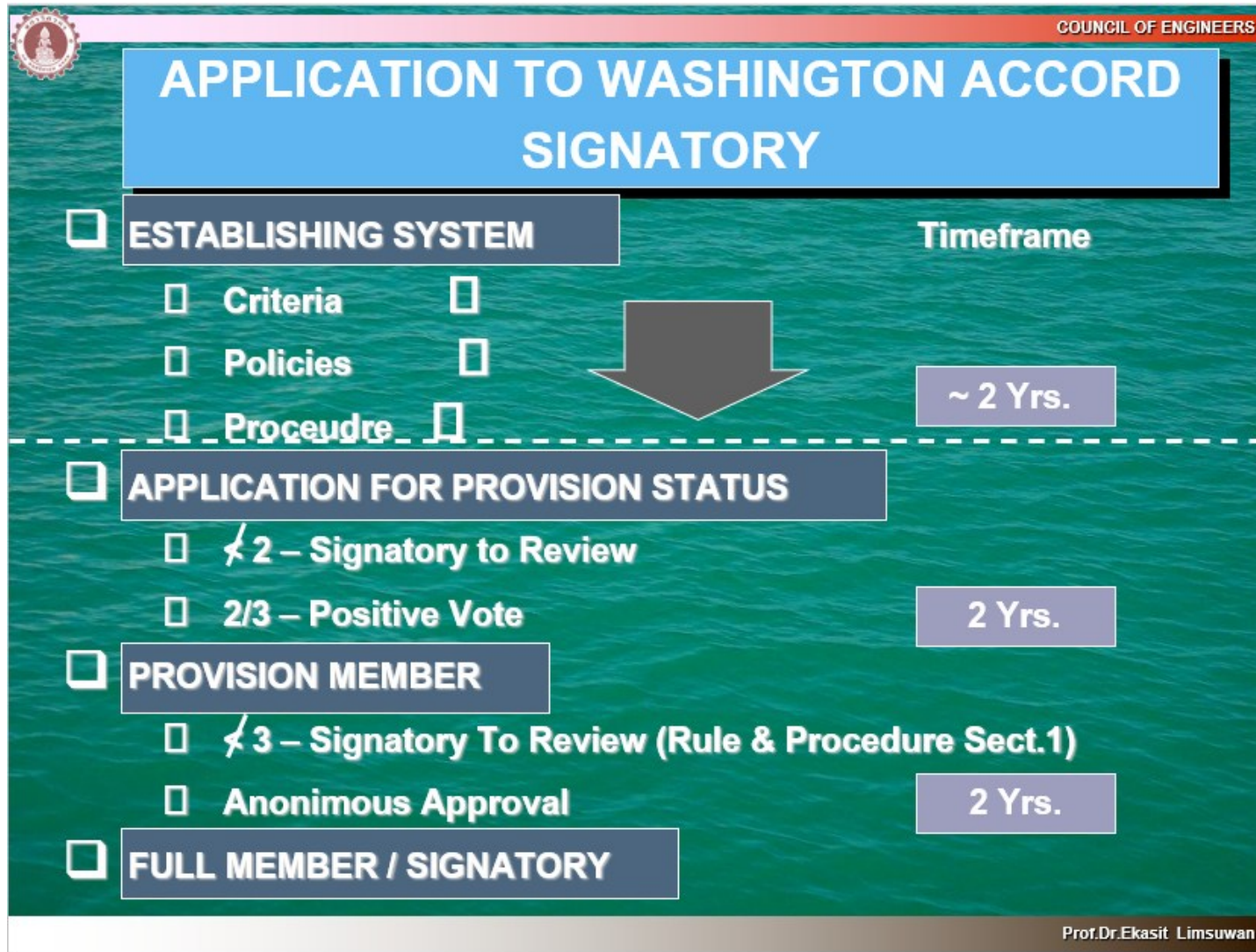
➤ In mid November 2009, IEET visited Thailand, during which time:

- IEET had extensive meetings with COE and EIT
- IEET visited three institutions: Sripatum University, a private institution, Chulalongkorn University, the flag ship university, and AIT

- In October 2009 and January 2010 respectively, COE visited Taiwan and updated IEET on the accreditation system and the progress being made
- COE Board has approved the “outcomes-based” criteria, and they will be introduced to the universities in 2010. The actual execution is expected to take around 2 years
- COE has been in close contact with JABEE, EAC, and ABET as far as international connection is concerned.



The Original Plan at 2010



→ The Plan Did Not Fall into Place Due To Unreadiness

2011-2017

June International Engineering Alliance Meetings COET Continued to Attend IEAM and to Stay Engaged



December 2017 Visit to COET and Chulalongkorn Univ.

Conclusion of this visit was that while TABEE was in good progress in terms of accreditation implementation, TABEE was willing to wait until 2019 to submit WA provisional membership application in order to enhance confidence and robustness of the system.

COET Executive Management Team Briefing

TABEE Accreditation System Briefing

IEET presentation on becoming WA Signatory

Meeting with the Engineering Faculty at Chulalongkorn University

IEET presentation on preparing accreditation



Attachment 1

Programme of Activities

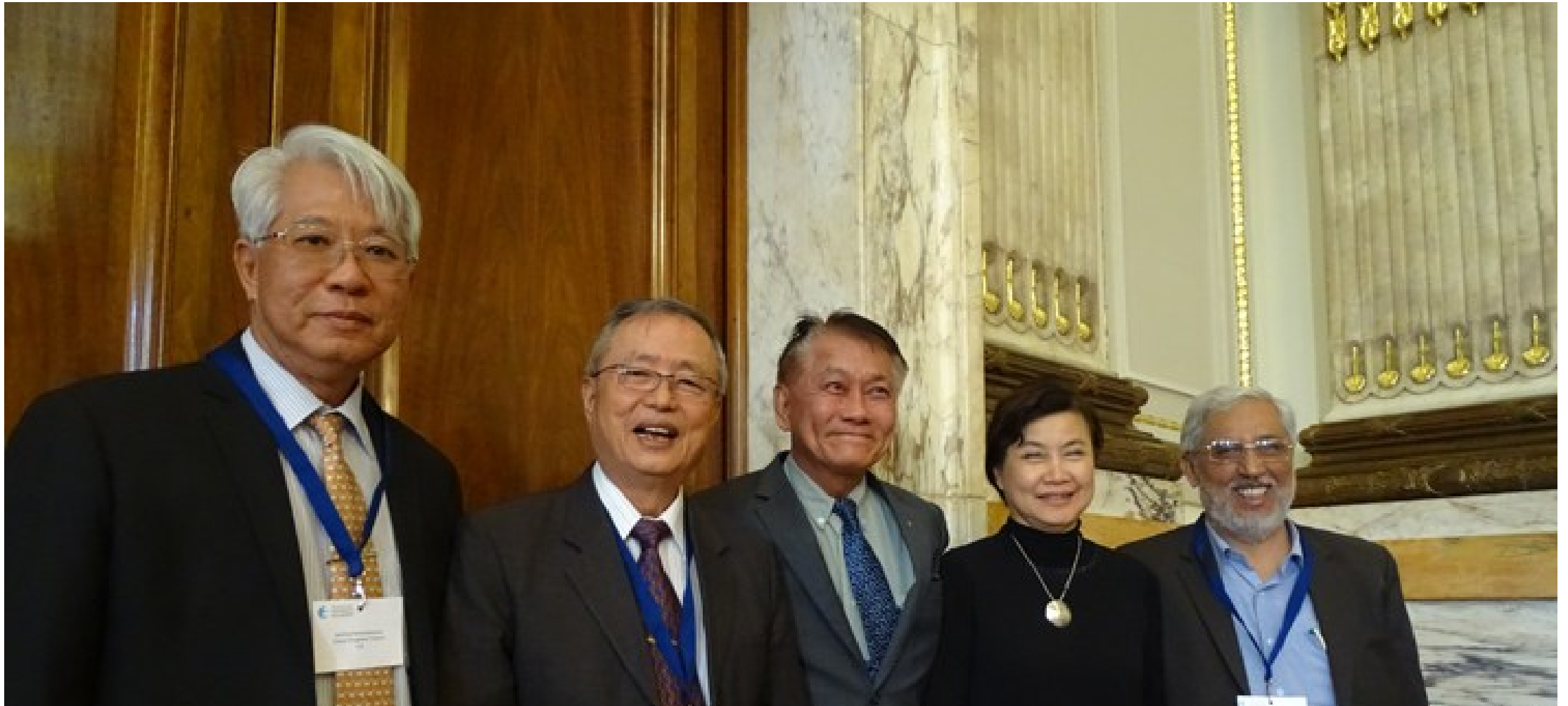
Day I: Sunday 26 th November 2017	
10.00	- Arrive Suvarnabhumi International Airport by CI 833 07:15-10:05 (direct flight duration 3.50 hr.) - Pick up with COE sign and delegates' name at the arrival passenger exit
12.00-15.00	- Visit Tha Mahara Pier (Chao Phraya River Side) and have lunch at Savoey Restaurant (Thai food)
16.00	Check-in at the SC Park Hotel
17.30	Meet at the hotel lobby and pick up for dinner
18.00	Welcome Dinner at Prim Restaurant (Thai food)
Day II: Monday 27 th November 2017	
08.45	Pick up at the SC Park Hotel
09.00	Visit Council of Engineers Office (COE)
09.00-09.30	- Meet with the COE Executive Management Team - Watch VDO Presentation - Introduce COE by Dr. Kamol Takabut, President of COE
09.30-10.30	Introduce Thailand Accreditation Board of Engineering Education (TABEE) by Assoc. Prof. Saritthel Pathanasethpong, TABEE Chairman
10.30 - 11.30	Invite IEET's delegates to present and share their experiences on becoming Washington Accord Signatories
11.30 - 12.30	Lunch at the Council of Engineers office (Thai buffet)
13.30	- Visit Faculty of Engineering, Chulalongkorn University (CU) - Meet with Engineering Faculty's Executive Team - Introduce Engineering Faculty, CU
14.30-15.30	- Invite IEET's delegates to give a presentation of preparing for accreditation
15.30-16.00	Explore Engineering Faculty's Facilities
17.00	Back to the SC Park Hotel and free time
Day III: Tuesday 28 th November 2017	
07.00	Check out and see off at Suvarnabhumi International Airport by CI 834 11.10-15.40 (direct flight duration 3.30 hr.)

***Note: the programme may be adjusted according to the situation and traffics during the rush hour.



Visit to the Faculty of Engineering at Chulalongkorn University 5

June 2018 IEAM 2018 (London, UK)



November 2018 Observation on TABEE Program Visit



Attachment

Proposed Schedule for Observation on TABEE Program Visit
(prepared for Dr. Liang-Jeng Leu and Dr. Mandy Liu, IEET Taiwan)

1. **Date:** November 25th – 29th, 2018.
2. **Venue:** Department of Industrial Engineering, Khon Kaen University.

1. Dr. Liang-Jeng Leu, IEET Taiwan
2. Dr. Mandy Liu, IEET Taiwan
3. Mr. Sarithdej Pathanasethpong, TABEE
4. Dr. Tatchai Sumitra, TABEE
5. Evaluation team (Dr. Yudthchai, Mr. Ronphob, Mr. Adisak)
6. COE program visit coordinator

IEET's Observation of the TABEE System
by Prof. Liang-Jenq Leu & Dr. Mandy Liu
November 25th~28th, 2018

IEET's observation at this visit was that the TABEE accreditation team was very professional and well prepared. Meanwhile, IEET suggested some possible revisions to the criteria regarding requirements on leadership and continuous improvement of the programs.

January 2019

IEET Nominated COET-TABEE for WA Provisional Signatory Membership

Schedule B1: Criteria for Admission to Provisional Signatory Status in an Accord (also required for Admission to Full Signatory)		IEET Report analysis against Rules and Procedures requirements on TABEE
	Meets Criteria? Yes/No	Evidence provided/Comments
1 The accrediting agency has the following characteristics:		
a) Is non-governmental;	Yes	COE is a statutory professional organization established under the Engineer Act B.E. 2542 (1999) as a civil society organization.
b) Is legally incorporated in its home jurisdiction;	Yes	COE is a statutory professional organization established under the Engineer Act B.E. 2542 (1999) as a civil society organization.
c) Is the uncontested accreditation agency of the engineering community in the jurisdiction; or, if circumstances in the jurisdiction allows multiple accreditation agencies, the applicant must be the prominent authority in accreditation of programmes;	Yes	COE is a statutory professional organization and operates on engineering degree recognition for professional licensing while TABEE is voluntarily operated using rules and procedure for accreditation of engineering education announced by COE. There is no other agency accrediting engineering program.
d) Is a statutory or professionally recognised authority to accredit programs satisfying academic requirements for admission to practicing status (e.g. licensing, registration) in a jurisdiction;	Yes	COE is a statutory professional organization and operates on engineering degree recognition for professional licensing while TABEE is voluntarily operation using rules and procedure for accreditation of engineering education announced

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Schedule B1: Criteria for Admission to Provisional Signatory Status in an Accord (also required for Admission to Full Signatory)

	Meets Criteria? Yes/No	Evidence provided/Comments
g) Is independent of the educational providers delivering accredited programmes in its jurisdiction;	Yes	TABEE is appointed by the COE Board and is comprised of COE board members, academia, and retired university executives. It is independent from the educational providers and their programs.
h) Has autonomy to make accreditation decisions independent of stakeholder influence.	Yes	TABEE is an autonomous body that enjoys independence to make accreditation decisions.
2 The accrediting agency has an operational accreditation system with documented procedures and practices conforming to the following principles:		
a) The accreditation criteria and procedures are documented, published, and applied in accordance with set policies;	Yes	TABEE has in place documented and publicized criteria and procedures, and the accreditation process has been conducted accordingly.
b) The system accredits programmes or coordinated groups of individually identified programmes;	Yes	TABEE system accredits academic programs that offer 4-year bachelor's degree.
c) Programme assessors are academic and industry peer reviewers;	Yes	TABEE accreditation teams are composed of academic and industry

IEET Report analysis against Rules and Procedures requirements on TABEE

Meets Criteria? Yes/No	Evidence provided/Comments
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January 2, 2019

Associate Professor Saritdej Pathanasetpong
Chair of Subcommittee for Thailand Accreditation Board of Engineering Education
The Council of Engineers (COE)
EIT Bldg, 487/1 Soi Ramakhamhaeng 39/1
Bangkok 10310 Thailand

Dear Chairman Saritdej Pathanasetpong,

I am pleased to confirm that Institute of Engineering Education Taiwan (IEET) supports Thailand Accreditation Board of Engineering Education, the Council of Engineers (COE-TABEE)'s application for provisional membership of the Washington Accord and will act as one of your nominators.

IEET became familiar with the COE-TABEE accreditation system during the last two years. In November 2017, COE invited IEET to its Headquarters in Bangkok for a briefing session, which turned out to be a very thorough introduction of the COE-TABEE accreditation system. During that trip, IEET also visited Faculty of Engineering of the Chulalongkorn University and observed first-hand the University's preparation for the COE-TABEE accreditation.

IEET was invited to Thailand again in December 2018 to observe COE-TABEE's accreditation visit to the Program of Industrial Engineering at the Khon Kaen University. During this trip, IEET followed the COE-TABEE accreditation team for the entire four-day visit and acquired the team's practice in detail. Meanwhile, IEET also carefully reviewed the COE-TABEE's accreditation manuals (including compliance document of Schedule B1 of the IEA) and accreditation team training materials. COE-TABEE senior leadership personnel accompanied IEET on the trip to assist our understanding of the system. At the end of the visit, IEET provided feedbacks to COE-TABEE for continuous improvement.

For now, COE-TABEE has completed accreditation visits to four engineering programs, and based on IEET's first-hand observations of the system, we submit that the COE-TABEE accreditation system is in good progress to be substantially equivalent to the ones of the signatories of the Washington Accord. Despite the fact that there is clear room for improvement in terms of experience and maturity, IEET trusts that COE-TABEE is in a good position to apply and become a provisional signatory of the Washington Accord.

We wish you every success in your application.

Sincerely Yours,

Shan-Hwei Ou

Shan-Hwei Ou, Ph.D.
President
Institute of Engineering Education Taiwan (IEET)

June 2019 IEAM 2019 (Hong Kong) COET Advanced to WA Provisional Signatory



Prof. Tatchai Sumitra, Prof. Ekasit Limsuwan, and Prof. Sarithdej. Pathanasethpong presented COET

Motion **WA19CM-Washington-Accord-Minutes-2019**

That the signatories of the Washington Accord vote to approve the application for provisional signatory status for Thailand, represented by COE – TABEE.

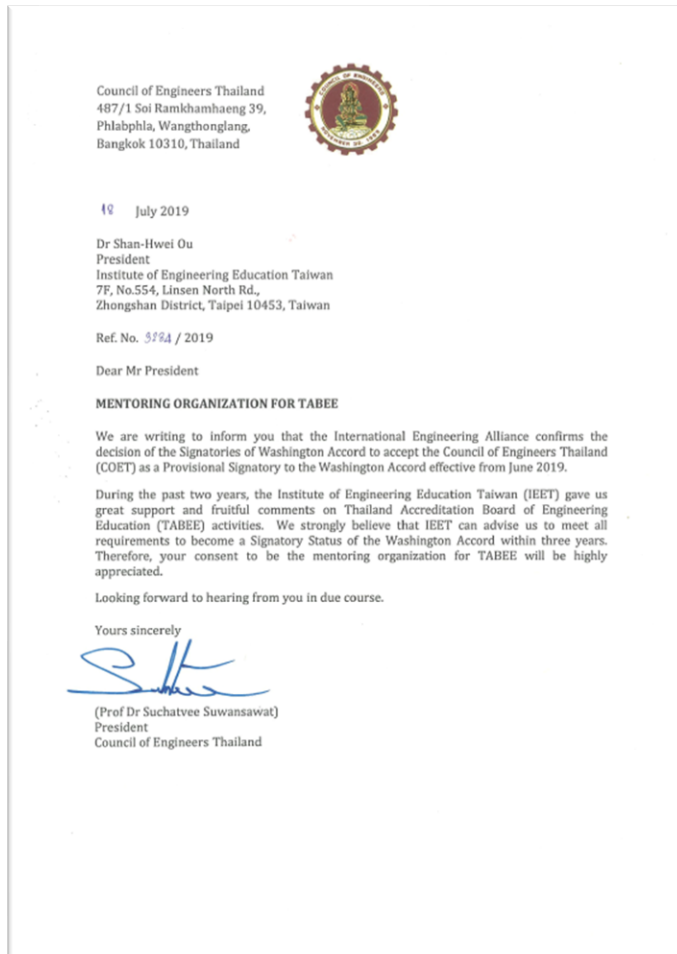
Decision

With a greater than two-thirds majority (19 votes for, 0 against and 1 abstention) the signatories of the Washington Accord **AGREED** to approve the application for provisional signatory status for Thailand (COE).



July-September 2019

COET and IEET established mentorship officially



COET invited IEET to be its Mentor in July 2020, and IEET agreed with the official assignment from WA.

December 2019

COET Prepared Timeline for WA Signatory Application IEET Provided Workshop for Program Evaluators



The Program of Experience Sharing from Institute of Engineering Education Taiwan (IEET)
Saturday 29th November 2019 (Time 09:30 - 14:30 hrs)
FL 2nd Banquet Hall, S.A. Room 3C Park Hotel, Bangkok

09:30 - 09:40	Registration
09:40 - 09:50	Opening Remarks by Hon. Professor Santhida Pathanawong, TAREE Chair
09:50 - 10:00	Accreditation System and Process Evaluation Development Evaluation Review Evaluation Meeting by Professor Liang Bing Loo, IEET Dr. Wendy Lim, IEET
10:00 - 10:15	Coffee Break
10:15 - 12:40	Accreditation Criteria Program Education Objective Course Assessment Program Evaluation by Professor Liang Bing Loo, IEET Dr. Wendy Lim, IEET
12:40 - 13:00	Lunch
13:00 - 14:00	Sharing Experience Evaluation Template BOK by Professor Liang Bing Loo, IEET Dr. Wendy Lim, IEET
14:00 - 14:30	Closing

January 2020 TABEE Observed IEET Decision Meeting



MEMORANDUM OF UNDERSTANDING
between
COUNCIL OF ENGINEERS THAILAND
and
INSTITUTE OF ENGINEERING EDUCATION TAIWAN

Whereas:


- (A) **Both parties** acknowledge their commitment to enhancing the quality of engineering education and having experience in engineering accreditation system in Thailand and Taiwan respectively;
- (B) **Both parties** share an interest in promoting the quality assurance in engineering education worldwide;
- (C) **Both parties** are both committed to the quality assurance in professional assessment of engineers.
- (D) **Both parties** are interested in promoting cooperation between them;

Both parties hereby agree to collaborate in matters related to engineering education, accreditation activities, and professional assessment as follows:

1. Develop procedures to facilitate the exchange of representatives to observe the accreditation activities of both organizations;
2. Collaborate in the development of proposals to promote principles and practices to address current needs of either party in the accreditation of engineering education and professional assessment;
3. Develop substantial equivalency in accreditation systems with the International Engineering Alliance based on mutual recognition and document exchange, and review of accreditation procedures;
4. Negotiate and mutually agree to share expenses in the implementation of this Memorandum of Understanding prior to the execution of any projects or services.

This Memorandum of Understanding shall become effective from the date it is signed and may be revised through mutual agreement of both parties or terminated by either party upon six months written notice.

Signed on 31st March 2020


Mr. Suchatvee Suwansawat
President
Council of Engineers Thailand


Mr. Shan-Hwei Ou
President
Institute of Engineering Education Taiwan

**COET and IEET
Signed MOU
March 2020**



January 2020
Prof. Tachai and
Prof. Sutha
Observed IEET's
Decision Meeting



February 2020

COET-TABEE Invited IEET to Visit MHESI and Spoke on Significance of Government Recognition and Support



**Then the Deputy Permanent Secretary,
Prof. Supachai Pathumnakul Received IEET**



**Significance of Government Recognition and Support in
Achieving International Recognition of
Engineering Education—
Example from Taiwan**

Dr. Liang-Jenq Leu

CEO, IEET
Professor, Dept. of Civil Engineering, National Taiwan University
President, Taiwan Construction Research Institute
President, Taiwan Society for Circular Economy

Dr. Mandy Liu

Office Director, Deputy Executive Director of Accreditation Council, IEET

24 February 2020, Bangkok, Thailand

© Institute of Engineering Education Taiwan

February 2020

IEET Observed TABEE's Accreditation Visit



TABEE Accreditation Visit to Dept. of Environmental Engineering at Chulalongkorn University



IEET Meeting at COET to Share Observations and Recommendations ¹⁴

May 2020

IEET Observed TABEE Decision Meeting via Zoom

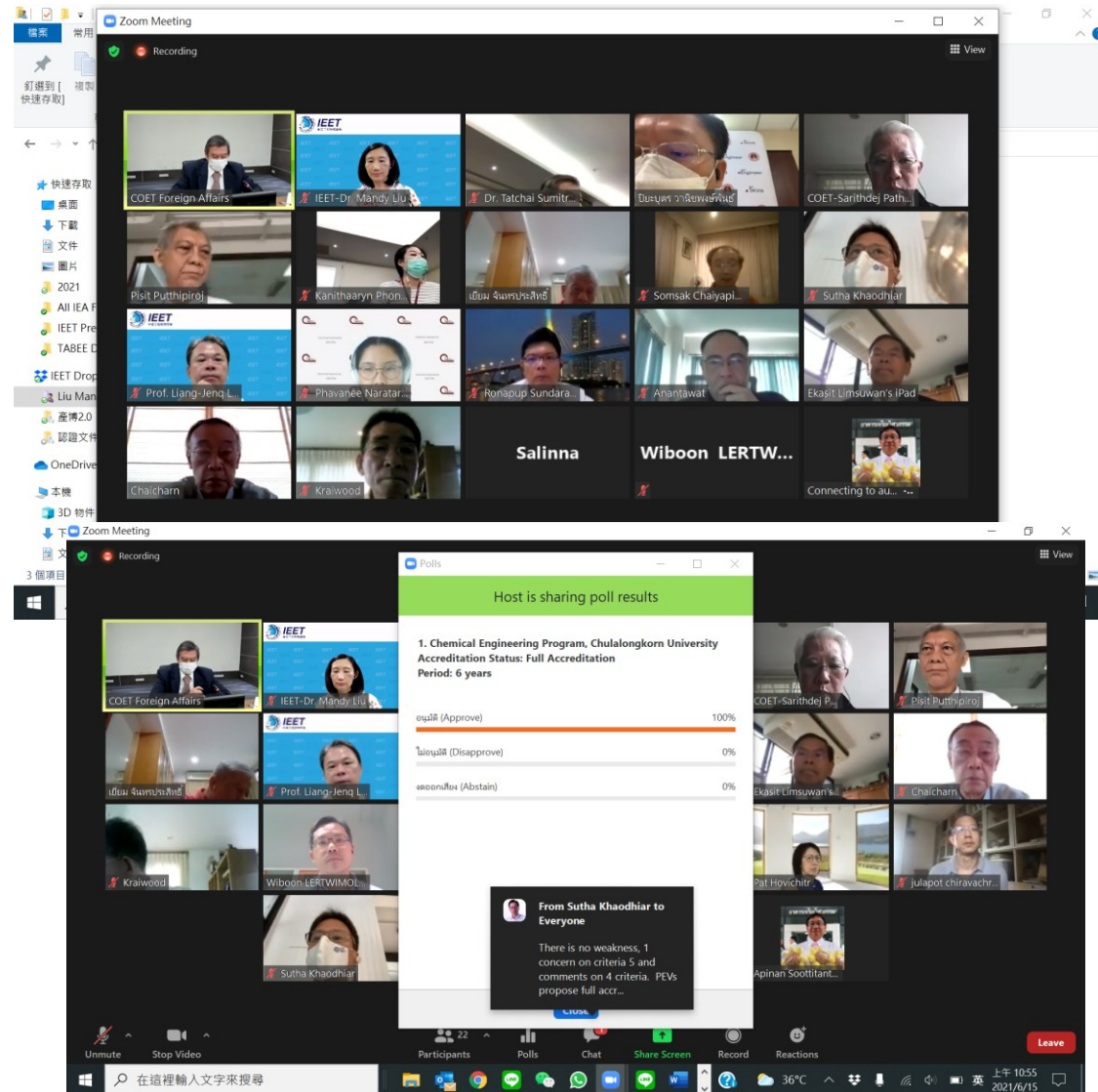
 <p>TABEE Decision Meeting 42562 Friday 29th May 2020, 09.30-11.00 A.M. Meeting room 1, 5th FL. Council of Engineers Office</p>	
09.30 – 09.40 A.M.	<p>Opening remarks</p> <ul style="list-style-type: none"> - Welcome speech - Introduce the meeting procedures and voting method <p>By Prof. Sarithdej Pathanasethpong, TABEE Chair</p>
09.40 – 09.50 A.M.	<p>Present the Accreditation Report for Environmental Engineering Program, Chulalongkorn University</p> <p>By Mr. Pisit Puthipiroj, PEV team chair</p>
09.50 – 10.00 A.M.	<p>Present the Intervenor/ Editors Report on the Accreditation of the Environmental Engineering, Chulalongkorn Engineering</p> <p>By Dr. Tatchai Sumitra, Intervenor Working Group Chair</p>
10.00 – 10.45 A.M.	Program discussion
10.45 – 10.50 A.M.	Accreditation vote
10.50 – 11.00 A.M.	<p>Conclusion and closing remarks</p> <p>By Prof. Sarithdej Pathanasethpong, TABEE Chair</p>

<p>Guideline for TABEE Decision Meeting</p>	
<p>Introduction</p> <p>The Decision Meeting is an annual event where TABEE Commissioners gather to make the accreditation decisions on all programs evaluated during that cycle. The Meeting also brings together with the Team Chair leading their evaluation, in an effort to answer any questions and provide details about the upcoming visit.</p>	
<p>Participants</p>	
1. Commission for engineering program accreditation/ engineering technology program	(Voting right)
2. TABEE Coordinators for program visit	(Voting right)
3. Team Chairs of the program evaluators	(Voting right)
4. Intervenor/ Editors	(Voting right)
5. TABEE staff	(No voting right)
6. International observers	(No voting right)
<p>Agenda</p>	
<p>1. Welcome and Introduction-Meeting Chair (Commission Chair)</p>	
<p>2. Meeting Procedures Overview (Commission Chair)</p> <ul style="list-style-type: none"> - Review of TABEE five levels of consistency checks - Confirmation of the conflict of interest and confidentiality clauses - Review Guidelines for drafting accreditation statement - Decision meeting documents - Review of Voting Procedures <ul style="list-style-type: none"> • Team chair reporting <ul style="list-style-type: none"> ◦ Level of compliance by criterion ◦ Status of continuous improvement ◦ Accreditation action recommendation • Comments from TABEE commissioners/ coordinators/ Intervenor/ team chairs • Discussion and motion • Vote on motion (secret ballot) on each program • Announcement of Voting Outcomes (Meeting chair) 	
<p>3. Concluding remarks and meeting adjourn (Meeting chair)</p>	

June 2021

IEET Observed TABEE's Decision Meeting via Zoom



(Annex 2)

Decision Meeting Procedure

Nine (9) University Programs (UP) will be considered one by one in the following 8 steps. Each will take about 15 min. Example of UPi:

1. The secretary announces UPi by name of program and university. (slide 3.i)
 2. PEV Team Chair presents a brief report on Deficiency, Weakness and Concern of UPi in about 5 min. (slide 4.i)
 3. Intervenor presents a different opinion (if any) on D,W,C of UPi in about 5 min. (slide 5.i)
 4. EAC Chair asks the floor to consider the proposed accreditation for UPi. (slide 6.i)
- (In case there are too much discordance and the floor is not ready to vote, then EAC Chair will move the case to the end for more detailed consideration)

5. When the floor is ready to vote, EAC Chair starts the voting. The secretary announces the number of eligible voters, and number of abstainees due to conflict of interest.
6. EAC Chair starts a secret balloting on UPi using ZOOM.
7. The secretary announces the results of polling: numbers of votes for, votes against and abstained.
8. EAC Chair confirms the vote for UPi, as a "collective decision" of the Decision Committee. (slide 6.i)

NB. UPi has its dedicated documents as 3.i, 4.i, 5.i, 6.i; (i=1-9)

9. In case a UP is moved from step 4 to be considered at the end, EAC Chair will let PEV Chair and Intervenor present the case once more, with more details if necessary. If the discussion is fruitful and the floor is ready for vote, then the balloting follows. If the Committee is not in accordance and not ready to vote then a team of (third party) arbitrators will be appointed by TABEE to evaluate the issues of discrepancies and report to EAC within 2 weeks. Another Decision Meeting will be called.

December 2021

TABEE Workshop: The Road Towards the WA

 กำหนดการเสวนา TABEE 2021 เรื่อง "TABEE: เส้นทางสู่ Washington Accord" (TABEE: The Road Towards the Washington Accord) ในวันพุธที่ 29 ธันวาคม 2564 เวลา 09.00-12.30 นาฬิกา ผ่านสื่ออิเล็กทรอนิกส์ (Cisco Webex)		
กำหนดเวลา	หัวข้อ	วิทยากร
09.00-09.15 น.	Mutual Recognition กับอนาคตของนักศึกษาวิชาชีพไทย (Mutual Recognition: Opportunities and Threats for Thai Professionals)	✦ ดร.สมเกียรติ ตั้งกิจวานิชย์ ประธานสถาบันวิจัยเพื่อการพัฒนาประเทศไทย (TDRI) Dr. Somkiat Tangkitvanich President of TDRI
09.15-10.15 น.	Washington Accord and Experiences of JABEE and IABEE Mainstreaming Outcome Based Accreditation in Engineering Education: the IABEE Experience	✦ Dr.Yasuyuki AOSHIMA Advisor to JABEE International Affairs Division and Immediate Past JABEE Executive Managing Director ✦ Professor Dr. Muhammad Romli Chair of IABEE International Committee
10.15-10.30 น.	Q&A	
10.30-11.00 น.	แนวโน้มการประกอบอาชีพวิศวกรรม ในอนาคต: ทักษะ ความสามารถ และ ทัศนคติที่วิศวกรในอนาคตพึงมี Skills, Competency and Attitude of Engineers Preferred by Industry	✦ คุณมนัสวีร์ เรืองเดช ผู้อำนวยการศูนย์จัดการใหญ่ ฝ่ายงานวิศวกรรมและก่อสร้าง บริษัท ปตท.สำรวจและผลิตปิโตรเลียม จำกัด (มหาชน) Khun Manasvee Ruangdet Senior Vice President Engineering and Construction Division, PTTEP and a member of TABEE IAB
11.00 – 12.30 น.	-เสวนา (Panel discussion)- TABEE in a Nutshell การทำ Accreditation ของ คณะวิศวกรรมศาสตร์ จุฬาลงกรณ์ มหาวิทยาลัย	ดำเนินรายการโดย Moderator: ✦ ศาสตราจารย์ ดร.สมศักดิ์ โชยะภินันท์ อนุกรรมการรับรองมาตรฐานคุณภาพการศึกษา วิศวกรรมศาสตร์ (TABEE) Professor Dr. Somsak Chaiyapinunt Member of TABEE Committee Panelists: ✦ รองศาสตราจารย์ ดร.อัครชัย สุมิตร ประธานกรรมการ TABEE EAC Dr. Tatchai Sumitra Chair, TABEE EAC ✦ ศาสตราจารย์ ดร.สุพจน์ เตชวรสินสกุล คณบดีคณะวิศวกรรมศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย Professor Dr. Supot Teachavorasinsun Dean of Engineering, Chulalongkorn University

	การทำ Accreditation ของ สำนักวิชาวิศวกรรมศาสตร์ มหาวิทยาลัยเทคโนโลยีสุรนารี	✦ รองศาสตราจารย์ ดร.อัครชัย โชติชญากร รองอธิการบดีฝ่ายวิชาการและประกันคุณภาพ มหาวิทยาลัยเทคโนโลยีสุรนารี Associate Professor Dr. Chatchai Jothiyangkoon Vice President for Academic Affairs and Quality Assurance, Suranaree University of Technology
หมายเหตุ: กำหนดการอาจมีการเปลี่ยนแปลงตามความเหมาะสม Remark: The program may be changed to suit the situation.		
Japan Accreditation Board for Engineering Education (JABEE) Indonesian Accreditation Board for Engineering Education (IABEE)		

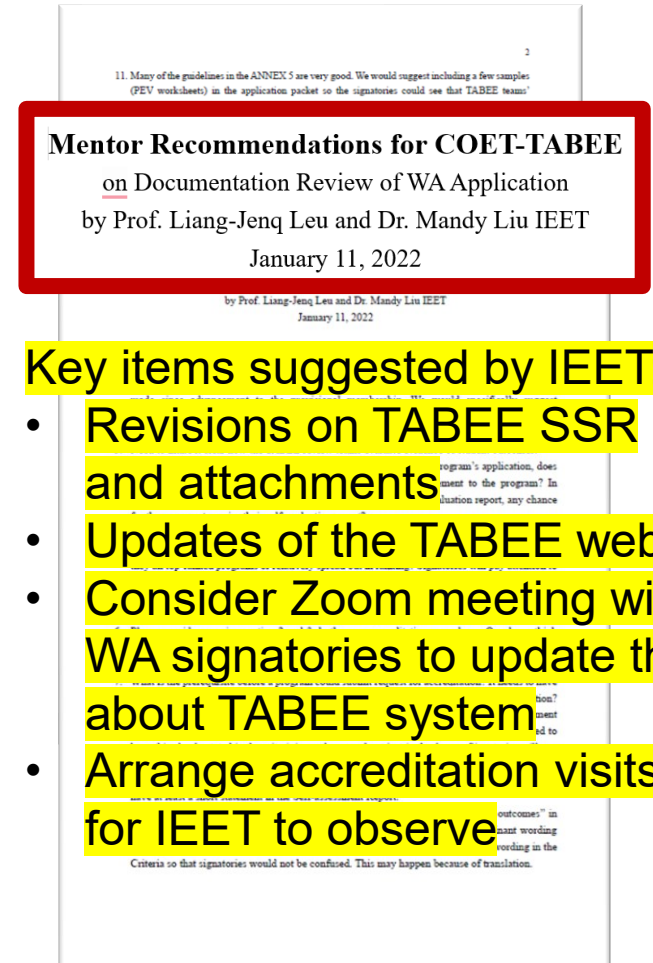
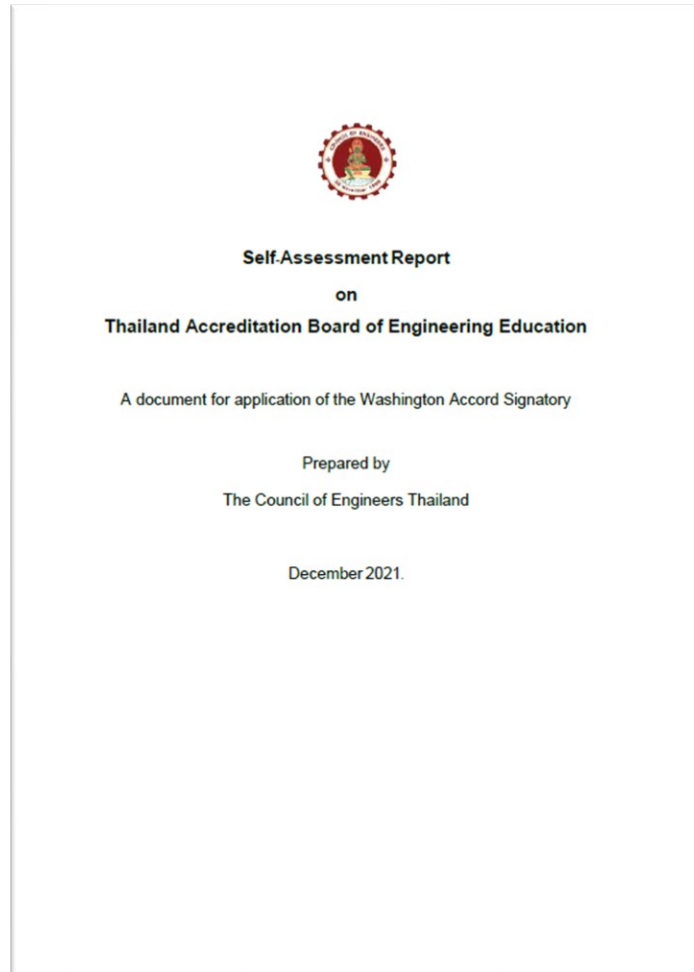
**IEET was not invited, but
well informed about this
workshop**

**International
Speakers:**

- 1. Dr.Yasuyuki
AOSHIMA
(JABEE)**
- 2. Professor Dr.
Muhammad
Romli (IABEE)**

January 2022

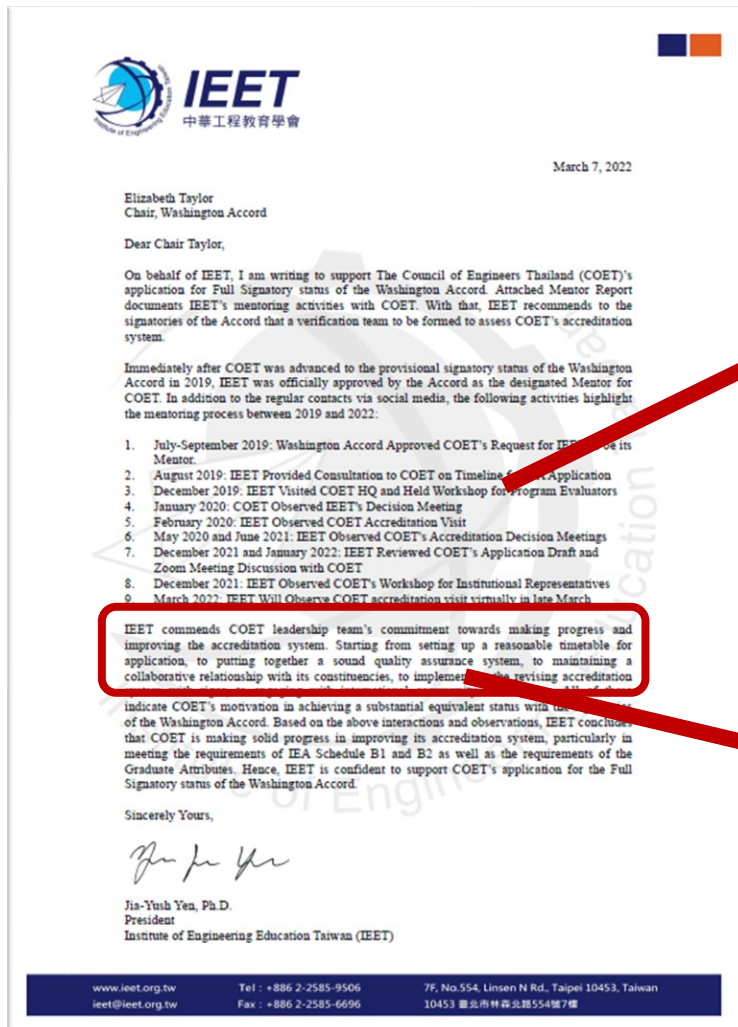
TABEE Application for WA Verification Review Ready for IEET Review



March 2022

IEET Letter of Support for TABEE's Application for WA Verification Review

...the following activities highlight the mentoring process between 2019 and 2022



1. July-September 2019: Washington Accord Approved COET's Request for IEET to be its Mentor.
2. August 2019: IEET Provided Consultation to COET on Timeline for WA Application
3. December 2019: IEET Visited COET HQ and Held Workshop for Program Evaluators
4. January 2020: COET Observed IEET's Decision Meeting
5. February 2020: IEET Observed COET Accreditation Visit
6. May 2020 and June 2021: IEET Observed COET's Accreditation Decision Meetings
7. December 2021 and January 2022: IEET Reviewed COET's Application Draft and Zoom Meeting Discussion with COET
8. December 2021: IEET Observed COET's Workshop for Institutional Representatives
9. March 2022: IEET Will Observe COET accreditation visit virtually in late March

IEET commends COET leadership team's commitment towards making progress and improving the accreditation system.

March 2022

Observation of TABEE Accreditation Visit by International Observers via Zoom

BEM:

- Prof. Chung Lim Law
- Ir Prof. Rajkumar

JABEE:

- Dr. Yasuyuki Aoshima
- Prof. Hiroshi Inomata

IEET

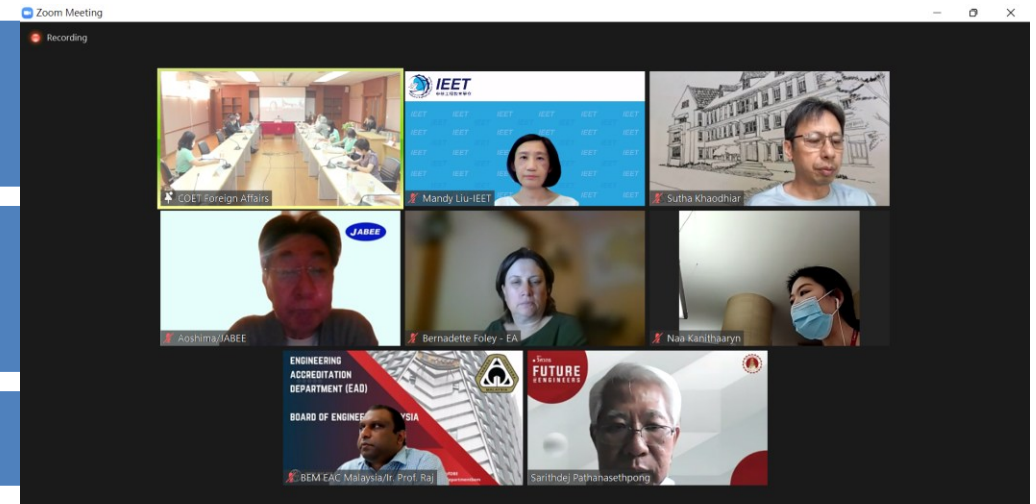
- Dr. Mandy Liu

EA

- Dr. Bernadette Foley

IESL

- Dr. Kamal Lakiri



Recommendations from Observers

1. Advisory to university in the policies about protection of PEV Team confidentiality.
2. The subject visit did not have an industry representative on the PEV Team, which is different from TABEE's common practice. Please make sure that industry rep. is present in every review.
3. Please make sure the visit schedule is followed unless otherwise advised; any changes must be communicated with the Program well in advance.
4. Make sure the program under review has produced at least one class of graduates based on OBE curriculum.
5. Simultaneous translation personnel could be hired to facilitate real-time translation in the future. Please also be prepared to translate documents (such as SSR) of 4 programs at 2 universities if the WA verification visit is to take place.
6. If WA verification review is granted in June 2022, must have accreditation visits in later part of 2022 to be in time for WA voting in 2023.
7. Please update the observers about the accreditation action of the Program when available.

Thailand Accreditation Board of Engineering Education (TABEE)

Schedule of Program Visit

Program: Bachelor of Engineering Program in Polymer Engineering

Institute: Suranaree University of Technology

Duration of visit: 28-29 March 2022 (UTC +7)

Observation details: [Zoom meeting ID 324 232 4711/ Passcode 1303](#)

June 2022

IEET and Engineers Australia

Observed TABEE Decision Meeting via Zoom

Zoom Meeting

Recording

View

Dr. Tatchai Sumatra, Chair

Mandy Liu-IEET (Observer)

Mr. Yiem Chundprasi/EAC

Dr. Sutha Khaothit/Intervenor

Dr. Phavane N., PEV Chair

Dr. Ekasit Limsuwan, EAC

Mrs. Patcharee H., Intervenor

Mr. Saritdej Pathasethpong/...

Dr. Surin Kittitornkun/ PEV C...

Dr. Julapot C., PEV Chair

Dr. Anantawat K., Intervenor

Dr. Jirawat C., EAC/ PEV Chair

Ms. Kanithaayn P., Secretary

Bernadette Foley - EA (O...

Dr. Somsak C., Intervenor Chair

Chatchai Jothityangkoon

Dr. Thotsaphon... COET Foreign A...

Dr. Thotsaphon C., Interpre...

COET Foreign Affairs (Host)

Chat

All cases had been reviewed

Me to Everyone

Thank you so much, Dr. Paul

Dr. Thotsaphon C., Interpre... to Everyone

My pleasure

Commission chair address
TABEE role and responsibility

TABEE intends to improve
all programs to a standard

Who can see your messages? Recording On

To: Everyone

Type message here...

Unmute

Stop Video

Participants 18

Polls

Share Screen

Reactions

Apps

Whiteboards

More

Leave

上午 11:23
2022/6/23

09:15 A.M. Open online meeting room

09:30-09:40 A.M. Chair opens and announces to the meeting

- Rules and composition of the Decision Meeting
- List of the participants and voting rights

09:40-11:15 A.M. Team Chairs present 5 minutes each and discuss/open vote one by one program

No.	Program	Institute
TABEE Accreditation 6/2564 (2021)		
1	Bachelor of Engineering (Civil Engineering)	Chulalongkorn University
2	Bachelor of Engineering (Computer Engineering)	Chulalongkorn University
3	Bachelor of Engineering (Survey Engineering)	Chulalongkorn University
4	Bachelor of Science (Chemical Engineering)	Chulalongkorn University
5	Bachelor of Engineering (Polymer Engineering)	Suranaree University of Technology

11:15 A.M. Chair announces the voting results and conclude the meeting

Decision Meeting Schedule

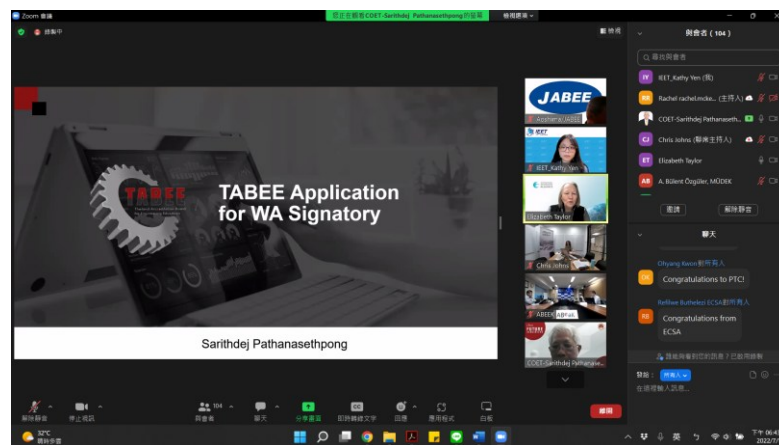
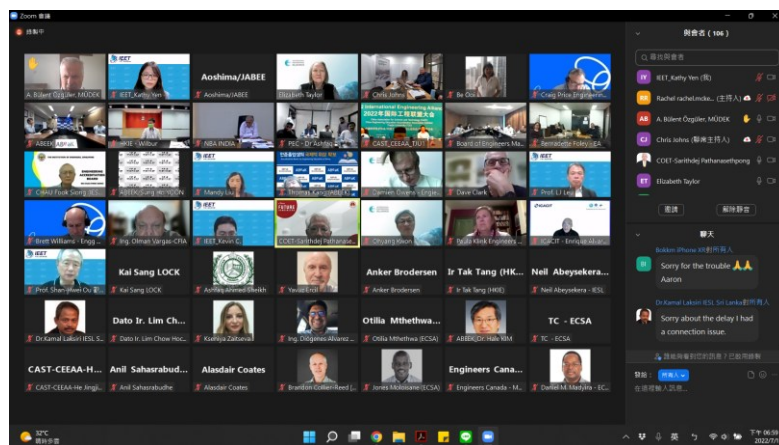
23 June 2022

Overall Observations

- COET-TABEE has been making good progress. Improvement and confidence can be observed in each of the visit or decision meeting.
- A professor was assigned to be interpreter for the international observers. While most of the conversations went on in the meeting were not comprehensible to the international observers, key information was observed.
- Zoom poll was used as a voting mechanism which was very efficient and effective.
- Chair of the Decision Meeting Prof. Tatchai informed the members about submission of WA signatory application.
- Members of the meeting were also informed about the next decision meeting would be moved to November so WA verification team could observe in time to make recommendation to the signatories.

July 2022

COET-TABEE Approved by WA for Verification Review



Motion 5.2 WA22 Closed Session Minutes IEAM 2022

That, in accordance with Rule B.2.2.3 d), the signatories approve the establishment of a Verification Review team, comprising three Assessors who have not served as nominators and/or mentors of Council of Engineers Thailand.

Decision

The signatories of the Washington Accord **AGREED** to approve the establishment of a Verification Review team to undertake a verification review for Council of Engineers Thailand (COET)

The Chair and the Signatories congratulated COET and advised that the signatories had approved the establishment of a verification review team.

Council of Engineers Thailand
1616/1 Soi Lat Phrao Road,
Wangthonglang, Bangkok
Thailand 10310
Tel: +66 86-340-8571
E-mail: foreignaffairs@coe.or.th



Ref. No.3379 /2022

3 August 2022

Dear IEET President,

With reference to The Council of Engineers Thailand (COET) application for Washington Accord Signatory status under IEET's mentoring and recommendation report in IEAM 2022, we, at the COET and the TABEE, are very pleased with the outcome of WA signatory voting to approve TABEE application for verification review process in 2022 - 2023.

On behalf of The Council of Engineers Thailand and TABEE committee, I would like to take this opportunity to express our sincere gratitude to your kind advice, support, and recommendation for TABEE's system improvement to meet requirements of the WA. Your kind attention throughout the preparation work and effort of the Secretary General & Executive Director of Accreditation Council, Professor Dr. Liang-Jenq Leu and the Office Director & Deputy Executive Director of Accreditation Council, Dr. Mandy Liu, are deeply appreciated by all involving staff at COET.

The TABEE committee and working groups are presently preparing for the next accreditation cycle and documents and to coordinate with IEA secretariate and verification review team with the hope that things will go smoothly.

Lastly, TABEE team and I are looking forward to meeting with you and Dr. Liang-Jenq Leu and Dr. Mandy Liu in person at the IEAM 2023.

Yours sincerely,



Associate Professor
Dr. Piyabutr Wanichpongpan
President
The Council of Engineers Thailand

COET Thank You Letter to IEET August 2022



**Dr. Sarithdej
Pathanasethpong
Dr. Sutha Khaodhiar
and IEET
at IEA Workshop in
Killarney, Ireland
October 2022**

**Associate Professor
Dr. Quanchai Leepowpanth
2nd Vice President
Visited IEET HQ
December 22, 2023**



IEET

中華工程教育學會



March 2024

MHESI and COET Signed MOU

Regarding the Upgrade of Quality Standards of Engineering Education and Related Fields



Engineering Education to mutually agreeable high-standards and outcomes and OPS's engineering education from y), at least Signatory et TABEE nber of the activities academic coordinate peratively greement, ent shall be Engineers Objectives.... Duration...

3

5. Duration of Cooperation and Amendments to the Memorandum of Agreement

5.1 This Memorandum of Agreement shall be effective for a period of three (3) years from the date of mutual signing by both parties.

5.2 Extension of the duration of this Memorandum of Agreement must be mutually agreed upon in writing by both parties.

5.3 In case either party wishes to amend or supplement this Memorandum of Agreement, consent must be obtained in writing from the other party, and notification must be provided in writing at least sixty (60) days in advance.

6. Termination of the Memorandum of Agreement

This Memorandum of Agreement shall terminate under the following conditions:

6.1 Both parties mutually agree in writing to terminate this Memorandum of Agreement.

6.2 If either party wishes to terminate this Memorandum of Agreement before its expiration, such party must notify the other party in writing at least sixty (60) days in advance and obtain written consent from the other party. Upon receiving consent, the Memorandum of Agreement shall be terminated.

6.3 Termination of this Memorandum of Agreement, for any reason, shall not affect activities that are in progress or have been conducted under this Memorandum of Agreement unless otherwise mutually agreed upon in writing.

This Memorandum of Agreement is made in two copies, with each party having read and fully understood its contents and agreeing that it accurately reflects their intentions in every respect. In witness whereof, the parties hereby affix their signatures and seals (if any) in the presence of witnesses, and each party retains a copy.

Sign N. THAMES
(Assistant Professor Thanes Weerasiri)
President of the Council of Engineers Thailand

Sign S. Pathumkul
(Professor Supachai Pathumnakul)
Deputy Permanent Secretary and Acting Permanent Secretary, Ministry of Higher Education, Science, Research and Innovation

Sign PK Witness
(Mr. Punpermsak Aruni)
Director of Higher Education, Science, Research and Innovation Drive and Development Division

Sign Witness
(Mr. Kittipong Weeraprasit)
1st Vice President of the Council of Engineers Thailand



June 9 to 14, 2024
IEAM 2024
INTERNATIONAL ENGINEERING
ALLIANCE MEETINGS 2024
The Leela Ambience, Gurugram, Delhi NCR, India

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June 9 to 14, 2024

IEAM 2024
INTERNATIONAL ENGINEERING
ALLIANCE MEETINGS
The Leela Ambience, Gurugram, Delhi NCR, India



**Dr. Sutha Khaodhiar
and IEET
President JY Yen
CEO LJ Leu
at IEAM2024,
New Delhi, India
June 2024**

July 2024

COET International Conference 2024

Council of Engineers

INTERNATIONAL CONFERENCE 2024

"Upfront Engineering Education and Professional Mobility 2024: Quality Education and Professional Development towards Global Engineering Mobility and Sustainable Future"

24-25 JULY 2024

Bangkok, Thailand

Date: Wednesday 24 July 2024	Location
01.00-03.00 P.M.	• Airport Pick Up Suvarnabhumi Airport (Arrival Terminal)
03.00-04.30 P.M.	• Hotel Check In InterContinental Bangkok/ Holiday Inn Bangkok
05.00-06.30 P.M.	

Date: Thursday 25 July 2024

08.30-09.00 A.M.

09.00-09.10 A.M.

09.10-09.20 A.M.

09.20-10.05 A.M.

10.05-10.30 A.M.

Room 2

of Ceremony:
Dr. Panich Voottipruex

02.30
Honoring the Built Environment toward Net-zero

• Seng Chuan Tan
President-Elect of WFEO

02.50
Lunch Tea Break -

04.30
Discussion on Engineering for Sustainable Development: Challenges of Emissions Reduction and Achieving Net Zero in the Built Environment

Dr. Tan
WFEO

Dr. Anker Brodersen
Engineer Agreement

Dr. Vassitpanich
of Climate Change and

Dr. Titinan
Consulting Engineers

Lobby

Outfit (or Scarf)

(Departure Terminal)



November 2024

WA Verification Review of COET-TABEE

Wed 13th Nov 2024

- The VRT visited the COET headquarters for the initial brief-ing on the general aspects of COET-TABEE accreditation system followed by in-depth discussion and Q&A between the VRT and the COET-TABEE representatives.

Thurs 14 Nov and Fri 15th Nov, 2024

- The VRT observed three accreditation visits at Suranaree University of Technology (SUT).

Mon 18 and Tues 19 Nov, 2024

- The VRT observed three accreditation visits at Chiang Mai University (CMU).

Wed 22nd Jan 2025

- The VRT Chair observed TABEE decision meeting.

Note: Cited from the WA VRT Report.

June 2025 IEAM 2025 (Mérida, Mexico)



Washington Accord
IEAM 2025
Closed Session
Item 6.2

VERIFICATION REVIEW REPORT

THAILAND (COET)

Purpose

To provide Washington Accord Signatories with the review report from the Council of Engineers Thailand verification review.

Applicable Rule

B.2.2.11. The signatories must consider the Assessors' report at the meeting at which it is presented and must decide one of the four following actions:

- a) that the organisation holding provisional status be made a signatory and the date at which recognition by the other signatories of the substantial equivalence of the engineering academic programmes concerned shall be one year prior to the date of admission to signatory status, or
- b) that the organisation holding provisional status be declined becoming a signatory, but that provisional status be extended for a further period (in which case reasons must be stated), or
- c) that the organisation holding provisional status be declined becoming a signatory and that provisional status not be extended (in which case the reasons must be stated), or
- d) that the decision on the assessment recommendations be deferred for a specified period of time (in which case the reasons must be stated).

Voting Thresholds

Current Signatories (IEAM 2025)	Two-thirds	Two-Thirds (Less 1)	Simple Majority
25	17	16	13

Recommendation from the Review Report

COET-TABEE holding provisional status be declined becoming a signatory, but that provisional status be extended for a further period.

Proposed Motion WA 6.2

That COET-TABEE holding provisional status be declined becoming a signatory, but that provisional status be extended for a further period.

September 2025

COET International Conference 2025

 <p>Agenda "The International Conference on Innovative Engineering Education 2025" Venue: Witsawapiwat Room, 7th Floor Council of Engineers Date: Friday, 12 September 2025 Time: 9:00 AM – 5:00 PM</p>	
Master of Ceremonies (MCs): <ul style="list-style-type: none"> Prof. Dr. Panich Vootipruex Subcommittee on Civil Engineering, Council of Engineers Thailand Prof. Dr. Anchaleeporn Waritwat Lothongkum Deputy Secretary-General, Council of Engineers Thailand 	
TIME	PROGRAMMES
8:30 – 9:00 AM	Registration
9:00 – 9:15 AM	Welcome Remarks By: Mr. Kittipong Weerapoprasit President, Council of Engineers Thailand
9:15 – 9:30 AM	Opening Address By: Prof. Dr. Supachai Pathumnakul Permanent Secretary, Ministry of Higher Education, Science, Research and Innovation
9:30 – 9:45 AM	Topic: "Government Policies Related to Engineering Education and Accreditation" By: Prof. Dr. Supachai Pathumnakul Permanent Secretary, Ministry of Higher Education, Science, Research and Innovation
9:45 – 10:30 AM	Topic: "Maximising the Value of Capstone Projects by Design" By: Dr. Andrew Cleland Engineering New Zealand
10:30 – 10:45 AM	Break
10:45 – 11:30 AM	Topic: "Engineering Education and Sustainable Development" By: Prof. Lock Kai Sang Chair of the Washington Accord

11:30 AM – 12:15 PM	Topic: "Sharing International Experience on Capstone Design Projects" By: Prof. Liang-Jenq Leu President, Institute of Engineering Education Taiwan (IEET)
12:15 – 1:30 PM	Lunch break
1:30 – 3:00 PM	Panel Discussion: Benchmarking Thai Engineering Education to Global Standards– Outside-In Analyses and Recommendations Panelists: <ol style="list-style-type: none"> Prof. Oh Yang Kwon Accreditation Board for Engineering Education of Korea (ABEEK) Topic: Strengths and Weaknesses of Outcome-Based Education in Thailand Dr. Mandy Liu Institute of Engineering Education Taiwan (IEET) Topic: Reporting on TABEE's Engagement and Progress with the International Engineering Alliance (IEA) and the Washington Accord (WA) Moderator: Assoc. Prof. Dr. Natha Kuptasthien Working Group on the Development of Programme Evaluators (FEV)
3:00 – 3:15 PM	Break
3:15 – 5:00 PM	Capstone Design Project Presentations (Selected Projects) – Each project will be allocated 20 minutes. – Comments and feedback – Certificate presentation
Remarks: <ol style="list-style-type: none"> The programmes may be adjusted as necessary. Members of the Council of Engineers, Thailand (COET), who participate in this event will be awarded 10.5 Continuing Professional Development (CPD) units. 	

International Speakers Invited:

1. Dr. Andrew Cleland
(Engineers New Zealand)
2. Prof. Lock Kai Sang, Chair
of the Washington Accord
3. Prof. Liang-Jenq Leu (IEET)
4. Prof. Oh Yang Kwon
(ABEEK and Team Chair
for TABEE Verification
Review)
5. Dr. Mandy Liu (IEET)



THANK YOU
from IEET
... with♥...



IEAM2023, Taichung, Taiwan: June 11-15, 2023

Together, we are engineering a forever sustainable world...