



**3-Day Training on
Introduction to Outcome-Based Engineering Education
and Professional Engineer Development and Assessment**

Date: 20th -22nd September, 2020 (Starts 2:00pm GMT+8)

Room: Tencent/VOOV Meeting (Video Conference hosted by NPU, Xian, China)

Speakers : 1) Academician Professor. Ir. Dr. Chuah Hean Teik
(Chairman of FEIAP Standing Committee on Engineering Education)
2) Ir. Dr. Tan Yean Chin
(FEIAP Secretary General)

Download APP: <https://voovmeeting.com/download-center.html?from=1001>

Online Meeting Information :

No.	Meeting ID	Code
<u>Day 1: 20th September 2020 (Sunday)</u>	476862213	200920
<u>Day 2 : 21st September 2020 (Monday)</u>	110610428	200921
<u>Day 3: 22nd September 2020 (Tuesday)</u>	579382276	200922
Note : For participants using VOOV meeting, please launch VOOV meeting then key in the Meeting ID and Code to attend the training.		

(A) Agenda :-

Date/Time	Programme	Speaker
<u>Day 1: 20th September 2020 (Sunday) (Time GMT +8)</u>		
1400 –1630	I) Importance of mutual recognition of Engineering Graduates for Growth, Mobility and Networking II) Introduction to Outcome-Based Professional Engineer Development and Assessment (Part 1)	Ir. Dr. Tan Yean Chin



1630-1700	Session Break	
1700 –1930	III) Outcome-Based Professional Engineer towards APEC Engineers Registration (applicable also for IPEA) (Part 2)	Ir. Dr. Tan Yean Chin
<u>Day 2 : 21st September 2020 (Monday) (Time GMT +8)</u>		
1400 –1415	Speech by President of FEIAP Prof. Huang Wei	Prof. Huang Wei
1415 –1630	Introduction to Outcome-Based Engineering Education Accreditation System (Part 1)	Professor. Ir. Dr. Chuah Hean Teik
1630-1700	Session Break	
1700 –1930	Introduction to Outcome-Based Engineering Education Accreditation System (Part 2)	Professor. Ir. Dr. Chuah Hean Teik
<u>Day 3: 22nd September 2020 (Tuesday) (Time GMT +8)</u>		
1400 –1630	Discussion on Outcome Based Engineering Education Accreditation System	Professor. Ir. Dr. Chuah Hean Teik
1630-1700	Session Break	
1700 –1930	Discussion on mutual recognition of Engineering Graduates and Outcome Based Professional Engineer Development & Assessment System	Ir. Dr. Tan Yean Chin
The END		

(B) Objectives of the Training :-

The objectives of the training are divided into two major sections, namely:

- 1) Outcome-based engineering education accreditation system.
- 2) Outcome-based Professional Engineer Development and Assessment

Day 1:-

The speaker shares the importance of mutual recognition of engineering personnel graduates (e.g. engineers, engineering technologists and engineering technicians) for growth, cross border mobility and networking in a globalised world. The demand, actions and understanding required by institution/organisation in each economy and region to achieve this objective will be discussed.

For the Outcome-based Professional Engineer Development and Assessment, the speaker will share with the attendees the typical requirements of the professional engineer development and assessment that are required to have consistent standard that will serve serves the need of the economy and if further develop will comply to the APEC / IPEA Engineers Registration requirements.

Day 2:-

For the Outcome-based engineering education accreditation system, the speaker will be introducing to all



attendees the FEIAP Engineering Education Guidelines (included Engineer, Engineering Technologist and Engineering Technician) that are of equivalent to world standards for engineering standards (e.g. Washington Accord).

Day 3:-

The discussion sessions will allow the Attendees to pose questions and seek clarifications from the Speakers on the issues that they wish to explore.

(C) Visions and Objectives of NPU-FEIAP B&R Engineering Education Training Center (NFTC):-

Visions

1. To have a unified and inclusive Engineering Education Standards which promotes mutual recognition of the Engineering Education Programs (Engineer, Engineering Technologist and Technician programs) among Economies in the B&R Initiative region and FEIAP member economies.
2. To facilitate and to promote mobility of the Engineers, Engineering Technologists and Technicians among the economies in B&R Initiative region and FEIAP member economies.
3. To provide continuous professional development to increase the number of competent Engineers, Engineering Technologists and Technicians who will help the economies to develop into developed nations
4. To promote understanding of civilization in B&R Initiative region and FEIAP member economies via cultivation of cultural intelligence in engineering education.
5. To promote students exchange programs among the universities in the B&R Initiative region and FEIAP member economies.

Objectives

1. The NFTC is set up in NPU, Xian, China.
2. To conduct Engineering Education Accreditation Training (EEAT) based on established FEIAP Engineering Education Guidelines, FIEAP Engineering Technologist and Technician Education Guidelines
3. The Engineering Education Accreditation Training (EEAT) will cover training of Assessors, Academics and Accreditation Agencies of the economies in the B&R Initiative region and FEIAP member economies.
4. To facilitate and promote of mutual recognition of Engineering Education Programs among the Universities in the B&R Initiative region and FEIAP member economies, which is keystone for the mobility of Engineering Personnel (e.g. Engineers, Engineering Technologists and Engineering Technicians).
5. To facilitate and promote students exchange program among the Universities in the B&R Initiative region and FEIAP member economies.
6. To facilitate and promote the mobility of engineering personnel (e.g. Engineer, Engineering Technologist and Technician) who has fulfilled the FEIAP Engineering Education Standards in the economies of the B&R Initiative region and FEIAP member economies.



7. To conduct Professional Development courses for Infrastructure Development and Maintenance for the Engineers, Engineering Technologists and Technicians.
8. To facilitate and promote the networking of the engineering personnel (e.g. Engineer, Engineering Technologist and Technician and Academics) to share knowledge, experiences, business opportunities and friendship for closer ties among the engineering fraternity in the economies of the B&R Initiative region and FEIAP member economies.
9. To improve and keep up to development of the world on the Engineering Education and Training to benefit the economies of the B&R Initiative region and FEIAP member economies.
10. To be a platform for exchange of academics and engineering students in B&R and FEIAP member economies.

(D) Who should attend :-

1. FEIAP members economy are encouraged to send up to 20 participants to the Seminar.
2. The participants :-

**(I) Outcome-based engineering education accreditation system
(for Day 2 by Prof. Chuah HT).**

The participants can be dean or head of department of engineering schools, engineers and academics involves in accreditation of engineering programs, practicing engineers, regulatory bodies and institutions committee members who are willing and able to contribute.

**(II) Outcome-based Professional Engineer Development and Assessment
(for Day 1 by Dr. TanYC)**

The participants can be representatives from authorities, engineering institutions, professional bodies who are keen to develop or prepare their system for professional engineering personnel development, examination and registration towards APEC Engineers /IPEA register (international standards).

3. To encourage more qualified and experienced engineers and academics to volunteer their services to FEIAP as Trainers, Mentors, Reviewers, etc.

For Registration, please email the attendees list to : nftc@nwpu.edu.cn

Cc to feiapofficial@gmail.com

Yours truly,

Ir. Dr. TAN Yean Chin
FEIAP Secretary General