

REPORT ON THE JOINT CONFERENCE OF FEIAP-WFEO-FAEO

The Joint Conference of FEIAP-WFEO-FAEO and training on Engineering Education Accreditation System and Capacity Building in Belt & Road Region, Africa, Asia and the Pacific was held from on **November 7th, 2020** virtually. The conference was hosted by the Federation of Engineering Institutions of Asian and the Pacific (FEIAP) and NPU-FEIAP “Belt and Road” Engineering Education Training Centre (NFTC).

Objectives of the Conference and training:

It is expected that by holding the conference and training sessions, the three organizations, FEIAP, WFEO, and FAEO can strengthen their partnership and enhance confidence in future cooperation.

The training is divided into two sections following the first sections of speeches by the presidents of WFEO, FEIAP, and FAEO:

(A) FEIAP Engineering Education Guidelines & Accreditation System.

(B) Capacity Buildings & Mobility of Engineering Personnel

Section 1

The first section was moderated by Assistant Professor Li Ruizi, Director of FEIAP President’s Office at NPU. Professor Gong Ke, President of WFEO, first gave a speech to all the audience. The theme of Professor Gong Ke’s speech is Engineering Education for Sustainable development, in which he restated the UN SDGs and how engineering education can contribute to the achievement of these goals. Professor Gong Ke also expressed WFEO’s support to FEIAP-FAEO cooperation and recognized the importance and contribution of the good practices on engineering education and regional development to global sustainability, for which WFEO is willing to work together with all parties concerned to promote the development and sustainability of global engineering community by establishing unified global benchmark standards for engineering education.

Academician Huang Wei, President of FEIAP, then shared his ideas for the cooperation of WFEO, FEIAP, and FAEO. He reviewed the process of expanding the conference and making it a reality before restating that FEIAP and FAEO had already built a solid base for further cooperation by

having signed an MOU in July. Academician Huang Wei also stressed that the proposal of the AAP Accord became an important goal of NFTC's work. In closing, Academician Huang Wei expressed his confidence in the organization's future cooperation and welcomed everyone who is interested in the common cause of promoting engineering education improvement and free mobility of engineering personnel across borders to take part in the events held by the three organizations and their members, and NFTC.

Engineer Martin Manuhwa, President of FAEO, spoke after Academician Huang Wei to share his insights about the cooperation among the three organizations. He mentioned that it was a pleasure and honor that Africa could be included into the Belt and Road Initiative and it was important not to be the one left behind in the process of global development. He stressed that FAEO was willing to work closely with WFEO and FEIAP, to which it owed much gratitude for including Africa into the big picture of engineering education improvement and capacity building, and FAEO's members were all ready to contribute to realizing the goals under the framework of the agreements among the organizations.

After the speeches by the three presidents of WFEO, FEIAP and FAEO respectively, Assistant Professor Li Ruizi gave the floor to Academician Professor Chuah Hean Teik to start the training section (A) which is the second section of the event.

Section 2

The theme of training session (A) is FEIAP Engineering Education Guidelines & Accreditation System and a total of six speakers.

This section started with a presentation of Prof. Dr. Chuah Hean Teik, Chairman of FEIAP Standing Committee on Engineering Education, who explained the Accreditation of Engineering Qualifications for Mobility of Engineering Personnel.

The second presenter was FAEO President, Engr. Martin Manuhwa, whose topic was Engineering Education Accreditation System and Capacity Building for Africa: Strategies, Roadmap, and Partnerships to achieve the Africa We Want.

The third speaker was Prof. Chew Yong Tian, former President of IES, who shared his ideas and insights on Accreditation and Education as Drivers of Economic Development.

The fourth presenter was Prof. Charlie Than, President of MEngC. He introduced the FEIAP Accreditation System Model Framework to all the audience with detailed explanation and real examples and practices. After Professor Than's presentation, the conference took a five-minute break.

Training session (A) resumed with President of PTC, Engr. Federico A. Monsada, the fifth presenter. He shared with all the audience the Philippine Experience in Establishing and Implementing Accreditation System for Engineering Education.

The last speaker was Ing. Carlien Bou-Chedid, President of Ghana Institution of Engineers. Her sharing topic was Engineering Africa's future - The female factor.

Training session (A) was concluded with a discussion session on Engineering Education Guidelines & Accreditation System, moderated by Prof. Chuah Hean Teik. Questions about how to improve engineering education quality and enhance exchange and communication, etc. were raised and answered.

Section 3

The conference resumed after a one-hour session break with the beginning of training session (B) Capacity Buildings & Mobility of Engineering Personnel, which was moderated and started by FEIAP Secretary General Ir. Dr. Tan Yean Chin. He made an Introduction to Africa, Asia and the Pacific Accord (AAP Accord) and explained in detail how that could contribute to the mutual recognition and mobility of Engineering Personnel.

The second presenter of training session (B) was Engr. Kazawadi Papias Dedeki, who is Chair of Anti-Corruption Technical Standing Committee & Governance and Ethics Board, FAEO. His topic was Africa's experiences with Foreign Contractors and Consultant from Asia and the Pacific Region working in Africa.

The last speaker of training session (B) and the conference was Ir. Lee Boon Chong, Chairman of IEM Standing Committee on Examinations and Qualifications. He explicitly explained the Professional Engineering Competence Assessment. After that, Moderator Ir. Dr. Tan Yean Chin answered audience's questions about the AAP Accord and future activities in the discussion session. It was during the discussion that a forum of Engineering Practices with Cultural and Religious Don'ts and Dos was proposed, for the purpose of enhance cultural understandings and

cultural intelligence among all member economies in Belt & Road Region, Africa, Asia and the Pacific.

Attachments:

1. WFEO President Professor Gong Ke's Presentation;
2. FEIAP President Academician Huang Wei's Speech Transcript;
3. FAEO President Engr. Martin Manuhwa's Speech Transcript

Visions and Objectives

NPU-FEIAP B&R Engineering Education Training Centre (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 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.