



The CEIE Meeting

Virtual via Zoom

Monday, 11th November 2024, 17:30hrs. – 19:00hrs. MMT

Minutes of the Meeting

Participants, CEIE Members:

Present Attendees:

Dr. Marlene Kanga, Prof. Rodrigo Pérez Fernández, Mr. Soe Myint, Mr. Tin Latt, Prof. Dr. Zaw Min Aung, Prof. Simiyu Sitati, Dr. Juergen Kretschmann, Prof. Dr. Massimiliano Capezzali, Prof. Bashar Tarawneh, Ms. Bernadette Foley, PEC (on behalf of Prof. Nasir Khan), Prof. Dawn Bonfield

Absent Attendees:

Abdelali Ben Loukilia, Dr. Patrick Bekoe, Jonathan Jones, Peter Y Wong, Shiferaw Alemu Feleke, Dr. Paul Jowitt, Prof. Dr. Wlodzimierz Miszalski, Mya Warken, Prof. José María Goicolea, Mr. Abdul Menhem Alameddine (Munim), Luis Filipe Almeida, Norlida Buniyamin, Manuel Manso Burgos, Walter de Carvalho, Luis Chivilches, Lam Chi Chiu (Angus), Darrel John Danyluk (advisor), Pang Haishao, Mustapha Hassan Bichi, David Hood, David Lapp, Alexandre Kounitzky, Sin Seong Lai (Alex), Milena Latkovic, Alan LAU, David Alonso Lorenzo, Jeanette Mireille Muñoz-Abella, Debora Rubina Santos, Ariana da Silva, Karen Uriarte, Angely Paola Valle Castro

Secretariat:

Dr. Su Su, Ms. Thu Zar Winn

Welcome and Introduction

Dr. Zaw Min Aung, Chair of the Engineering Education Accreditation Committee, Chair of the WFEO Committee on Education in Engineering (CEIE) and Myanmar Engineering Council, called a meeting to order, introduced himself and welcomed all the members to the Committee on Education in Engineering (CEIE) Meeting.

Dr. Zaw Min Aung confirmed the meeting agenda and requested to start the meeting at the scheduled time.

Dr. Marlene Kanga inquired about IDEAS Journal and Dr. ZMA explained that hard copy format was ready for Kigali but could not distribute there due to cancellations of the trip and would distribute pdf version via email.



Myanmar Engineering Council hosted CEIE and also provided CEIE Secretariat. All attendees made brief self-introduction since it is the second official Committee on Education in Engineering (CEIE) meeting, mentioned the name and the organization by Clicking from participants.

Dr. Marlene Kanga represents Engineers Australia. She welcomed all and introduced herself as the past president of the World Federation of Engineering Organizations (2017-2019) and Chair the sub committee on the WFEO Academy.

Prof. Jürgen Kretschmann greeted all and introduced himself as the distinguished member of WFEO and Vice Chairman of the German Engineering Association, DMT, and he is from Mining.

Ms Bernadette Foley greeted all and introduced herself as she represented Engineers Australia along with Dr. Marlene Kanga and is Acting Chief Engineer for Engineers Australia.

Prof. Bashar Tarawneh greeted all and introduced himself as he represented Jordan Engineers Association, Professor of Civil Engineering at the University of Jordan as well as Dean of Engineering of a University in Jordan.

Prof. Dr. Massimiliano Capezzali greeted all and introduced himself as he is not a new member. Professor of University of Applied Sciences Western Switzerland, French Speaking part of Switzerland.

Prof. Simiyu Sitati greeted all and introduced himself as a professor at Moi University, Kenya, Electrical Engineer by profession, a member of the Institution of Engineers of Kenya and Dean of Engineering at Moi University.

Mr. Manuel Manso greeted all and introduced himself as he is not from Academia, represents Institute of Engineers Australia but collaborate with several engineering institutions in Spain.

PEC : Dr Nasir and Dr Fad do not available due to some important meeting but Ms. Samar Nasim and another one from PEC attended.

Mr. Tin Latt greeted all and Dr. Zaw Min Aung introduced as Vice President, Federation of Myanmar Engineering Societies and international consultant of CEIE.

Mr. Soe Myint: Vice President, Federation of Myanmar Engineering Societies and Ex Faculty of Yangon Technological University. He is also a Mining Engineer.

Prof. Rodrigo Perez Fernandez introduced him as the President of Naval Institute of Engineers of Spain and represents Engineering Charter of Spain. Chair thanked him for his contributions for ICEEA as well as MAJA.



Report on CEIE Activities : International Conference on Engineering Education and Accreditation (ICEEA) 2024, IDEAS Journal 22 and WFEO Academy

Chair Dr. Zaw Min Aung again presented that The Committee on Education in Engineering (CEIE) is hosted by the Myanmar Engineering Council (MEngC) and the Secretariat is also provided.

CEIE has the following meetings during 2024 - CEIE 1st Meeting for Term 2023-2027 on 5th February 2024, 1st CEIE-WFEO Academy Sub Committee Meeting on 14th May 2024, 2nd meeting on 4 October 2024, 1st CEIE- WFEO IDEAS Journal Sub Committee Meeting on 18th September 2024 and 2nd CEIE-WFEO Academy Sub Committee Meeting on 2nd October 2024 .

Myanmar Engineering Council, hosted the WFEO Committee for Education in Engineering (CEIE), hosted the Annual International Conference on Engineering Education Accreditation, ICEEA 2024 on 23rd and 24th July, virtually presided by Prof. Dr. Aung Kyaw Myat, President of MEngC, and Prof. Dr Zaw Min Aung, Chair of CEIE. The theme was “Engineering Education for Better Engineering Solutions towards a Sustainable World”. The conferences catalyzed academia from the international to share experience and exchange their good practices and insights from their engineering education and accreditation practice perspectives. WFEO President Mustafa gave a speech and also other distinguished speakers from established organizations and experts from higher education institutions.

CEIE have three sub committees to cover the major areas of work. Each sub committee consists of volunteer resources from WFEO members and international partners.

Sub Committee 1: Develop annual ICEEA Conference Programs led by Engr. Dr. Nasir Mahmood Khan, Pakistan Engineering Council

Sub Committee 2: Develop the IDEAS Journal Articles Review Sub – committee led by Ir. Prof. Dr. Norlida binti Bunyamin

Sub Committee 3: Develop the WFEO Academy, which is led by Dr. Marlene Kanga. She firstly congratulated MEngC and CEIE for ICEEA 2024. There is an article on the conference in the WFEO Newsletter and website and recordings of some of the presentations are uploaded on WFEO Academy website for those who did not able to attend. She also mentioned that the WFEO Academy newsletter has been distributed with updates on new courses. Digital badges were now available in: Bronze, Silver and Gold, and will now be awarded automatically to registered participants who complete 10, 20 and 30 courses respectively. These can be displayed individuals’ on the email signature panel, LinkedIn profile and other social media.



WFEO Academy: Engineering Education Training

It is a website with training materials to support WFEO members around the world to improve their standards of engineering education and ongoing professional development and to support professional engineering institutions to provide lifelong learning for their members.

The WFEO Academy is overseen by a CEIE Sub Committee which has the following members – CAST (China, also Platinum sponsor), Singapore (IES), Pakistan (PEC), IFEEES representatives and the Chair of WFEO/YEFL. The Committee has discussed the proposed work to develop the WFEO Academy further.

The committee proposes to develop - structured training for Accreditation bodies, engineering educators, professional development to support registration for qualified engineers, technologists and technicians. The professional development webinars are in – non-discipline specific topics such as leadership, project management, safety, risk management – which further develops professional skills and supports career development.

Approximately two new courses are added each month from webinars delivered by WFEO members and partners around the world relating to the specific focus areas of WFEO Academy. There are currently 60 courses available on the WFEO Academy website.

Attending Ex Co meeting virtually in October 2024

CEIE Chair also highlighted, IR Consultant and Sub Committee Chairs attended Ex Co Meeting virtually in October 2024. Any comments and suggestions concerning attending Ex Co meeting virtually in October 2024.

Call for proposals from the Committee for further activities

- Dr. Zaw Min Aung asked members whether they would like to extend to a new committee or any suggestions/recommendations
- Prof. Jürgen Kretschmann said that he is a member of president advisory board and during their previous meeting, a WFEO youth project “Centre of Excellence in Engineering in Different Regions of Africa” was mentioned. He suggested that education committee should also be involved in this project as it is now in capacity building committee.
- Dr. Zaw Min Aung replied that Capacity Building concerning Engineering Education is directly related to this committee. The committee is ready to work together with other committees if the theme is directly related to engineering education.
- Prof. Dawn Bonfield asked whether smaller Commonwealth countries, that are members of CEC, could be able to access the WFEO Academy as it is not possible for them to be members and she had also raised the request at the WFEO board.



- Dr. Marlene Kanga explained that WFEO Academy is a subcommittee of a standing technical committee. Therefore, the board does not have jurisdiction in this area. The Standing Technical Committee also have no authority under WFEO governance procedures to permit non-members to participate in their activities. WFEO Academy provides WFEO national and affiliate members with benefits. Therefore, members of the CEC are welcome to be members of WFEO and enjoy the benefits of WFEO membership.
- Dr. Marlene Kanga suggested to use the theme of WED 2025 as the theme of ICEEA 2025 conference.
- Prof. Jürgen Kretschmann highlighted that he was the only foreigner at 2024 conference and there should be more in-person presenters as it was not that difficult to get visa. He suggested to fix the date for ICEEA 2025 as soon as possible, probably not in the middle of summer holiday.
- Dr. Zaw Min Aung also mentioned that he has been talking about organizing a joint conference together with CEIT Chair Prof. Norlida and even planned to report at the previous Ex-Co meeting.
- Mr. Tin Latt said words of thanks to Prof. Jürgen Kretschmann joining the conference in-person in 2024 and invited all committee members to join so in 2025 and promise that they would assist with visa matters.
- Dr. Zaw Min Aung also informed all that this year is the 100 year anniversary of the engineering education and welcomed every members to join such event.
- PEC said that they would inform Prof. Khan about ICEEA 2025 and Dr. Zaw Min Aung replied that he is ready to host if Prof. Khan would like to have a meeting as well. Dr. Zaw Min Aung also informed all that we are considering the conference to be held at the time where most distinguished speakers would be available.
- Prof. Bashar Tarawneh requested to share the upcoming workshops, webinars so that they can share with their members.
- Prof. Dawn Bonfield again highlighted that they have “Two Years Engineering 2030 project: Engineering Skills for Future” where they planned to get comparisons on similar Engineering Skills of institutions around the world..
- Dr. Zaw Min Aung also informed that there are two, three groups contacting him for participating in Hackathon. Dr. Marlene Kanga thanked MEngC for supporting Hackathon.

Taking group photos by the Secretariat



Regular Meetings

Prof. Dr. Zaw Min Aung expressed that he would host CEIE meeting on February 2025.

The Meeting Successfully Adjourned at 19:00 hrs. Myanmar Time