



# **World Federation of Engineering Organizations (WFEO)**

## **Committee for Education in Engineering (CEIE)**

**REGULAR COMMITTEE MEETING (2/2024)**

**Prof. Dr. Zaw Min Aung, Chair, CEIE**

**11 November 2024**

# Past, Present, Future

## Updates

- The ICEEA Theme and Call for Papers Sub – committee
- The IDEAS Journal Articles Review Sub – committee
- The WFEO Academy Sub-committee
- Call for Proposal for the Sub – committees
- CEIE Chair, IR Consultant and Sub Committee Chairs attended Ex Co Meeting virtually in October 2024



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, 1<sup>st</sup> CEIE-WFEO Academy Sub Committee Meeting on 14<sup>th</sup> May, 2nd meeting on 4 October, 1<sup>st</sup> CEIE- WFEO IDEAS Journal Sub Committee Meeting on 18<sup>th</sup> September and 2<sup>nd</sup> CEIE-WFEO Academy Sub Committee Meeting on 2<sup>nd</sup> October.



မြန်မာနိုင်ငံအင်ဂျင်နီယာကောင်စီ  
Myanmar Engineering Council

# ICEEA 2024, MYANMAR

## 23<sup>rd</sup> & 24<sup>th</sup> JULY

International Conference on Engineering Education Accreditation

**Theme: “Engineering Education for Better Engineering Solutions towards a Sustainable World”**



World Federation of Engineering Organizations  
Fédération Mondiale des Organisations d'Ingénieurs

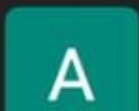


## Speakers and Topics

Day 1 Speakers and Topics	
Prof. Dr. Charlie Than	Opening Address
Prof. Dr. Aung Kyaw Myat	Opening Message
Mr. Mustafa B. Shehu	Opening Message
Em. Prof. Elizabeth Taylor	The Role of the International Engineering Alliance (IEA) in Facilitating Better Engineering Solutions towards a Sustainable World
Prof. Liang-Jenq LEU	Capstone Projects and the Implementation of UNSDGs
Dr. Mandy Liu	Global Recognition and Value of the International Accords
Prof. Jürgen Kretschmann	Work-Integrated Engineering Education - an Introduction
Ir. Dr. TAN Yean Chin	Development of Professionalism, Code of conduct & Engineering Judgement
Dr. Lincoln A Wood	The Engineering Toolbox - More than a Method
Prof. Yashin Brijmohan	What does preparedness mean in the context of engineering education in a sustainable and inclusive world?
Assoc. Prof. Ir. Dr. Hasril Hasini	Adopting SDG & Industry Oriented Curriculum in Higher Education Engineering Program
Prof. K.K. Aggarwal	Emphasis on Sustainability & Engineering Education in SAARC Nations
Engr. Prof. Dr. Fazal Ahmad Khalid	Emerging Trends and Engineering Solutions for Sustainability
Prof. Dr. Hla Myo Tun	Enhancement of Course-based Undergraduate Engineering Research Experiences (CUERE) towards the Implementation of Outcome-based Education at Yangon Technological University
Prof. Dr. Zaw Min Aung	Appreciation
Day 2 Speakers and Topics	
Engr. U Han Sein	Keynote Speech
Ir. Professor Dr. Jeffrey Chiang	Tagging on ESG as a way forward for Engineering Education Accreditation
Dr. Rodrigo Pérez Fernández	Engineering Education: Preparing Innovators for a Sustainable Future
Eng. Raj H Prayag	AIEM's Journey to Provisional Membership of Washington Accord 2017 to 2024, Institution of Engineers Mauritius
Prof. Dr. Carsten Ahrens	Accreditation of Anti-corruption Course Modules as Part of the University Education Programs of Civil Engineers
Engr. Federico A MONSADA	Achieving Global Comparability and Recognition of Professional Qualifications thru Accreditation - A Journey to Excellence
Prof. Dawn Bonfield	Engineers 2030: Embedding Inclusion, Ethics, Entrepreneurship, SDGs and Global Responsibility into the Engineering Curriculum
Dr. Marlene Kanga	Innovative Approaches to Graduate Outcomes through Tertiary Projects
Professor WANG Qinglin	Emerging technologies and professional development
IR Dr. Siti Hawa Hamzah	Quality Assurance in Engineering Education : TLA-SDG Mapping
Engr. Prof. Dr. Muhammad Tariq Khan	Assessing the integration of the United Nations Sustainable Development Goals in Engineering Accreditation
Engr. Dr. Rao Arsalan Khushnood	Integrating Sustainability into Engineering Curricula: Strategies and Outcomes
Engr Dr. Nasir M. Khan	Words of Thanks
Engr. U Aye Myint	Closing & Appreciation







Accreditation Commit...



Prof. Dr. Mya Mya O...



Accreditation Committee



Prof. Dawn Bonfield



Engr. Prof. Dr. Fazal ...



# ICEEA 2024

## Yangon, Myanmar

### International Conference on Engineering Education Accreditation 2024, Myanmar

**Theme:**

**"Engineering Education for Better Engineering Solutions towards a Sustainable World"**

23-25

Dr. Marlene Kanga

## Participants (520)



Panelists (23)

Attendees (497)

🔍 Find a participant

- A** Accreditation C... (Host, me) 📺 🔊 🗑️
- A** Accreditation Co... (Co-host) 📺 🔊 🗑️
- I** ICT (Co-host) 📺 🔊 🗑️
- Support Team (Co-host) 📺 🔊 🗑️
- I** Information (Co-host) 📺 🔊 🗑️
- Dr. Marlene Kanga 🔊 🗑️
- CA** Carsten Ahrens 🔊 🗑️
- DC** Dr. Charlie Than 🔊 🗑️
- DM** Dr. May Myat Khine, Moderator 🔊 🗑️
- DN** Dr. Nasir Khan PEC 🔊 🗑️
- EP** Engr. Prof. Dr. Fazal Ahmad Kh... 🔊 🗑️
- ET** Engr. Tin Latt, Moderator 🔊 🗑️

Invite

Mute all











# ICEEA 2024

Yangon, Myanmar

## International Conference on Engineering Education Accreditation 2024, Myanmar

**Theme:**  
"Engineering Education for Better Engineering  
Solutions towards a Sustainable World"

23-24 JULY 2024



Em. Prof. Elizabeth Taylor



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Engr. Tin Latt, Moderator





WFEO-CEIE  
Secretariat CEIE



ICEEA 2024  
Yangon, Myanmar  
International Conference  
on Engineering Education  
Accreditation 2024, Myanmar  
Topic:  
"Engineering Education for Better Engineering  
Solutions towards a Sustainable World"  
25-26 JUNE 2024  
Prof. Dr. Mya Mya Oo, ...



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Engr. Tin Latt, Moderat...

Em. Prof. Elizab...



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Lincoln Wood





# ICEEA 2025

## Proposal

- Myanmar Engineering Council (MEngC), Host of CEIE
- To host ICEEA 2025 Again, Tentatively, on July 2025
- Co-presided by President of MEngC President & Chair of CEIE





# IDEAS Journal

## Number 23

- More papers from experts presented at ICEEA 2025
- Tentatively to be published in .... 2025

# IDEAS

for better education & training for engineers

ENGINEERING EDUCATION  
FOR BETTER ENGINEERING  
SOLUTIONS TOWARDS  
A SUSTAINABLE WORLD

Committee on Education In Engineering  
World Federation of Engineering Organisations  
October 2024





# WFEO Academy

## Content

- Presentations from ICEEA 2022, 2023, 2024 uploaded with MP4 format to WFEO Academy Website as lectures.





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# WFEF ACADEMY

The World Federation of Engineering Organisation's is the peak body of professional engineering institutions internationally with some 100 national, regional and international engineering institutions as members and partners

represent



## **WFEO Academy: Engineering Education Training**

WFEO Academy Sub Committee has the following members – members from CAST (China, also Platinum sponsor), Singapore (IES), Pakistan (PEC), IFEEES representatives and the Chair of WFEO/YEFL. The Sub Committee Chair is Dr Marlene Kanga. Dr Zaw Min Aung, attends all meetings as the CEIE Chair. WFEO YE/FL: The Committee has discussed the proposed work to develop the WFEO Academy further including sharing of content of webinars already presented - structured training for Accreditation bodies, engineering educators, professional development to support registration for qualified engineers, technologists and technicians. The professional development is 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.

Digital badges: Bronze, Silver and Gold, will now be awarded automatically to registered participants who complete 10, 20 and 30 courses respectively. These can be displayed on the email signature panel, LinkedIn profile and other social media.

Registered participants will be inspired take more courses and take advantage of this opportunity to show employers and peers what they have achieved in their professional development journey.

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





Miguel Fierro



Zaw Min Aung



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dr.nahla



Navin



Prof. Adil Al-Hadithi



World Federation of Engineering Organizations  
Fédération Mondiale des Organisations d'Ingénierie



Mustafa Shehu





Miguel Fierro



Zaw Min Aung



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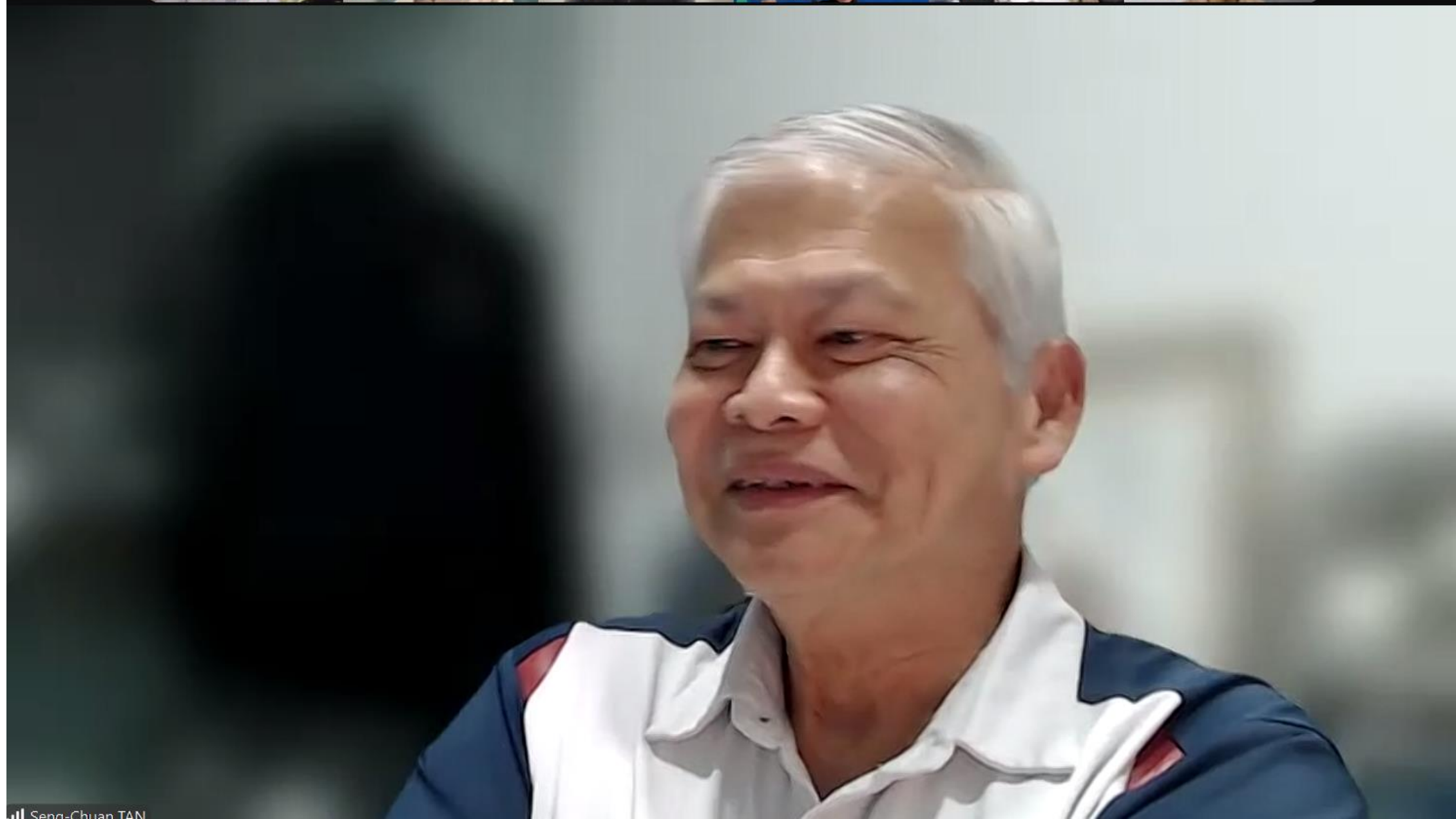
dr.nahla



Prof. Adil Al-Hadithi



Tin Latt



Seng-Chuan TAN



# Thanks for your kind attention

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