

NEWSLETTER

WFEO Standing Technical Committee on Engineering for Innovative Technologies



On October 11, 2023, the 7th World Engineers Convention (WEC) 2023 opened in Prague, Czech Republic. The WFEO-CEIT sub-forum was held on October 12 from 17:00 to 18:30, themed "Empowering Engineers - Harnessing Innovative Technologies for Sustainable Development." Four renowned experts from Iraq, Ghana, Zimbabwe, and China delivered remarkable presentations, attended by over 30 engineering representatives.



Prof. GONG Ke, WFEO Past President, delivered the opening speech and moderate this subforum.

Dr. Wael Abdulmajeed, member of the Iraqi Engineers Association and WFEO Executive Council, presented "Bridging the Gap: Innovative Technologies Empowering Engineers to Achieve Sustainable Development Goals."

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7TH WORLD ENGINEERS CONVENTION (WEC) 2023

Dr. Enyonam Kpekpena, ICT Project Manager at Ghana Grid Company Ltd., Vice President of FAEO, and President of the Ghana Institution of Engineers, discussed "The Connection Between Engineering Sustainable Projects and AI."

Mr. Martin Manuhwa, WFEO-CECB Chair from Zimbabwe, spoke on "Implementing Digital Transformation through Industry 4.0: A New Order for Africa."

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SAFETY AND GLOBAL GOVERNANCE OF GENERATIVE AI

In January 2024, the WFEO-CEIT, in collaboration with the Shenzhen Association of Science and Technology, released the "Safety and Global Governance of Generative AI" report.

This report compiles 29 in-depth commentaries from over 40 global experts across different continents in policymaking, entrepreneurship, scholarship, and engineering.

These contributions cover various critical topics concerning the safety and global governance of generative AI, offering valuable insights and recommendations.



<http://wfeo.org/the-wfeo-ceit-report-safety-global-governance-of-generative-ai/>

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BIG DATA AND AI WORKING GROUP

Big Data and AI Working Group, WFEO-CEIT met Globethics Leadership: Prof. Christoph Stückelberger, President of Globethics Dr. Fadi Daou, Executive Director of Globethics, together with experts from Institute for AI International Governance (I-AIIG), Tsinghua University and National Academy of Innovation Strategy, CAST



Professor Ir. Dr. Norlida Buniyamin, Chair of WFEO-CEIT and President of Institution of Engineers Malaysia, visited the China Association for Science and Technology and talked about cooperation in innovative technologies esp. AI, in December 2023

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PROGRAM CELIK STEM

In conjunction with the Hari Raya Aidil Fitri Celebration in Malaysia, IEM hosted the primary school children from schools for Indigenous children under the STEM Awareness Programme.

The programme was divided into two sections. For the children, the STEM Awareness programme comprised of science experiments aimed at generating their interest in STEM subjects.

The teachers, on the other hand participated in a workshop on "How to Make Learning Science and Mathematics Fun".

The children and teachers were then presented with a drone show in the compound of Wisma IEM before adjourning for the Hari Raya Luncheon.





WORLD TUNNEL CONGRESS 2024

Ir. Prof Dr Norlida Buniyamin was assigned to represent the WFEO President to attend the World Tunnel Congress 2024 held in Shenzhen, China from 19 - 25 April 2024.

Hosted by the China Civil Engineering Society on behalf of the International Tunneling Association (ITA), the week-long event also celebrated the 50th anniversary of the ITA.

Representing the WFEO President, Ir. Prof Dr Norlida participated in the panel discussion on sustainable infrastructures.



CALL FOR PAPER

ICEED 2024
2024 IEEE 13th International Conference on Engineering Education
19 - 20 November 2024
Kanazawa, Japan

HYBRID CONFERENCE

The 2024 IEEE 13th International Conference on Engineering Education (ICEED) is to be held in Kanazawa, Japan from 19th - 20th November 2024. ICEED 2024, a hybrid conference, will be organized by IEEE Malaysia Education Society and co-organized by the Engineering and Technical Research Group (ETRG), School of Electrical Engineering, College of Engineering, Universiti Teknologi MARA, Malaysia, and technically co-sponsored by Kanazawa Institute of Technology, Japan.

TOPIC OF INTEREST

- Accreditation and evaluation in Engineering Education
- Reforms
- International Recognition of Qualifications
- New Technologies in Engineering Education
- Industry and Education Collaboration
- Globalization in Education
- Changes and Challenges in Engineering Education
- Distance learning methods, technologies, and assessment
- Outcome-Based Education
- Linking Academic Knowledge with the Industrial Needs
- Women in Engineering Education
- Research and development in Engineering Education
- Quality Assurance in Engineering Education
- Education in Applied Sciences
- Education in Social Sciences
- Education in Life Science
- Computer and Web based software

PUBLICATION

The Proceedings of ICEED 2024 may be eligible for inclusion in the IEEE Xplore® Digital Library, once they meet the requirements of an IEEE quality review.

WEBSITE

CONTACT US

ICEED2024 Secretariat
School of Electrical Engineering,
College of Engineering,
Universiti Teknologi MARA,
40450 Shah Alam, Selangor Malaysia
email: icced2024@uitm.edu.my

IMPORTANT DATES

Extended Submission Deadline Call for Papers: 31 May 2024	Early Bird Registration Deadline 30th September 2024	Final Submission Deadline 30th November 2024
Health Certificate Acceptance 30th June 2024	Final Paper Submission Deadline 20th October 2024	Conference Date 19th - 20th November 2024

ORGANIZER

IEEE Education Society

Technical Co-Sponsor

KIT Kanazawa Institute of Technology

Supporter

World Federation of Engineering Organizations
International Union of Pure and Applied Chemistry
International Union of Geodesy and Geophysics
WFEO CEIT

SUPPORTING EVENTS

The WFEO CEIT Committee will be supporting the 13th International Conference on Engineering Education which will be organised by IEEE from 19 - 20 November 2024 at Kanazawa, Japan.

Co-organised by the Engineering and Technical Research Group of Universiti Teknologi MARA Malaysia, the technical co-sponsor of the Conference is Kanazawa Institute of Technology.

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7th World Forum on Development and Governance for Science and Technology Societies

July 2-3 in Nanning, Guangxi Province, China

held in conjunction with

Annual Conference of the China Association for Science and Technology 2024

ENGINEERS' MOBILITY

Ir. Prof Dr Norlida Buniyamin was invited to present an address under the topic of Engineers Mobility during the Forum. With the theme entitled "Openness and Cooperation, Universality and Win-Win", the forum had invited leaders from both Chinese associations as well as international organisations to discuss new modes and new paths for science and technology associations to enhance their governance efficiency, cultivate talents, and empower new productivity, and to create a new landscape of global science and technology associations featured inclusive governance and common prosperity.

