



Committee on Engineering for Innovative Technologies (CEIT)

2022 Activity Report

WFEO-CEIT undertakes to lead the engineering profession worldwide towards promotion and application of engineering for innovative technologies for sustainable development and helping developing countries to close the technology gap which is essential to sustain the UN's 2030 Sustainable Development Agenda.

A. CEIT Main Activities

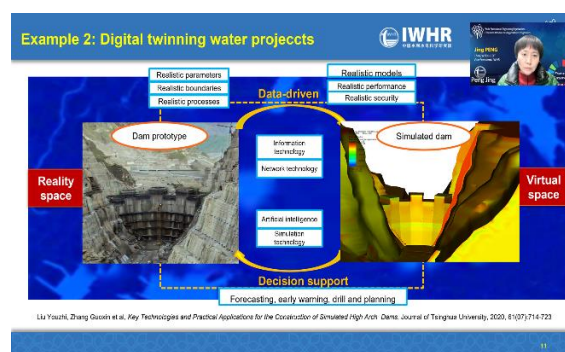
1. CEIT Webinar - Build Back Wiser: Engineering a Sustainable, Inclusive and Green Future with Ethical AI

In celebration of WED 2022, CEIT held the webinar on Build Back Wiser: Engineering a Sustainable, Inclusive and Green Future with Ethical AI on March 17th, 2022. This webinar convened engineers, policymakers, researchers, educators to discuss the roles and responsibilities of engineers while conducting AI innovations and applications.



2. ASEAN Engineering Digital Transformation Summit – Digital Transformation of Engineering Ecosystems

This event was held on 18 March 2022. It is a virtual summit curated by the engineering & technology experts from the various industries across region to gather and discuss the topics that are currently at the top of the enterprise's agenda, as well as network with their peers. Dr. Peng Jing, Chair of CEIT, was invited to give a report on *Digital Transformation in Engineering: Its Principles and Application*.





3. International Seminar on Digitization and Green Transformation

The Seminar was held on 15 August 2022 in Huzhou, China, aims to facilitate discussions on the important role of digital technology and digital innovation on Green transformation and low-carbon development, as well as illustrating the successful cases from the globe to demonstrate the good digital solutions to promote green and low-carbon development and achieve the Goal 13 of the 2030 sustainable development goals.



4. CEIT Participation in the 2022 China International Fair for Trade in Services (CIFTIS)

The 2022 China International Fair for Trade in Services (CIFTIS) was held from August 31 to September 5 in Beijing. During the Fair, CEIT on behalf of WFEO hosted an exhibition and a high-level seminar with the topic “Engineering Innovations for Green and Low Carbon Development”.



Best Practices of Engineering Innovations for Green and Low-carbon development were showcased at the exhibition, aiming to promote the important role of engineering practice in serving green and low-carbon development, display the innovative practice achievements of engineering innovation serving green and low-carbon development, and promote global engineering innovation exchanges.



The High-Level seminar was held on September 5. Experts and scholars from the government, industry, universities and institutes participated in the seminar, exchanged and shared their views on how engineering can help achieve green and low-carbon development from three dimensions: technological revolution, policy support, and industrial





development.

5. CEIT Webinar on Engineering Innovations in Poverty Alleviation

Following the success of the 1st Webinar on Engineering in Poverty Alleviation on March 6, 2021, which has been watched for over 15k times globally, CEIT is devoted to organise the second event of the same topic on December 8, 2022 with a focus on the innovation cases in poverty alleviation.

B. CEIT Capacity Building

1. Membership Building

CEIT has 44 members from 32 countries. CEIT Secretariat regularly produced and published newsletters to share the latest updates with all members.

2. Organise Work Meetings

CEIT organises at least two working meetings every year to report on CEIT's annual work and discuss future work plans with CEIT members. On February 26th, CEIT held the first work meeting in 2022 to discuss the New Year's work plan with our members.



3. Strengthen cooperation with other WFEO STCs

This year CEIT also made efforts to enhance cooperation with other WFEO STCs. Dr. Peng Jing, CEIT Chair of CEIT, has communicated with Mr. Davide Stronati, Chair of CEE, about future cooperation opportunities between the two committees. And CEIT Secretariat has joined the CEE working meeting in July to report on CEIT's activities.

C. Support WFEO Activities

CEIT actively participated and contributed to the WFEO activities, including the celebration of 2022 World Engineering Day, the Forum on Science, Technology and Innovation for sustainable transport of the Second UN Global Sustainable Transport Conference, the HLPF side events, etc.