



ACTIVITIES OF THE COMMITTEE ON YOUNG ENGINEERS / FUTURE LEADERS

Firas Bou Diab, Chair YE/FL

October 30, 2020 – WFEO Executive Council Meeting

THE FIRST WORLD ENGINEERING DAY, MARCH 4 2020

2020 Young Engineers Competition on SDGs

Young engineers' competition for the innovative solutions of each SDG with WFEO YE/ FL, ICheM, FIDIC, Young Engineers Europe and students at Nankai University. More than 400 young engineers from more than 70 countries, including some from the leading engineering universities of the world, showcased their projects to advance sustainable development through engineering. Winner of Young Engineers Competition: Ms. Aida Rafata, Imperial College London UK SDG 12: Reducing textile waste and reducing pollution from textile dyeing technologies. There are 16 Highly Commended Entries focused on different SDGs from around the world.

<https://www.wfeo.org/awards/>



WED 2020 Mini- Series and YE/FL involvement

Episode was aimed at helping the audience understand how engineers are perfectly placed, and already working on SDG8. More than 4,000 audiences from more than 70 countries listened to Podcast Episodes, each rated in the top 20% to top 50% of podcasts worldwide.

<https://www.wfeo.org/podcast-engineering-leaders-sdg-8-firas-bou-diab>



YE/FL WEBINAR SERIES “ENGINEERING THE FUTURE”

- To highlight the role of engineering design and systems-based approaches in risks identification, mitigation, and reduction, as well as recovery.
- To highlight the key challenges for better engineering systems across multiple sectors and the role of new technologies and innovative engineering for resilience and sustainability
- To discuss how different levers – technology, finance, governance, collective action – can promote a shift towards more sustainable social, economic, and environmental systems.
- To Ensure a rapid recovery, while laying down the foundation for more resilient systems is a precondition to achieving the 2030 Agenda, including the Sustainable Development Goals.



INVOLVEMENT WITH OTHER STCS / PICS

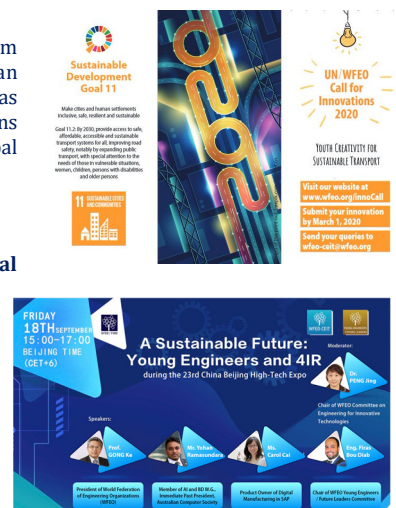
With Committee on Engineering for Innovative Technologies

2020 UN/WFEO Youth Creativity for Sustainable Transport

UNDESA in collaboration with WFEO, launched a call for innovations on January 7, 2020, 7 submissions from 6 countries, Kenya, Lebanon, Malaysia, Zimbabwe, China, and Nigeria. Submissions were reviewed by an expert team led by Prof. Jianping Wu (Director of Tsinghua-Cambridge-MIT Centre for Future Transport) as the chair, and Firas Bou Diab (Transport Expert - Chair of YE/FL) as the vice chair. Given the current concerns regarding coronavirus disease (COVID-19), it has been decided that the Second United Nations Global Sustainable Transport Conference will be postponed.

YE/FL participation in the 23rd China Beijing International High-Tech Expo

CEIT and YE/FL organized a webinar **“A Sustainable Future: Young Engineers and the Fourth Industrial Revolution (4IR)”** on the 18th September 2020, during the 23rd China Beijing International High-Tech Expo (CHITEC). Webinar highlighted on Technological Innovations done by Young Engineers to promote the SDGs, Necessary knowledge and skills for young engineers in the context of 4IR and the SDGs, COVID-19 impact: How are Young Engineers around the world are making a difference?



COLLABORATION WITH UN MAJOR GROUP FOR CHILDREN AND YOUTH (UNMGCY)

Youth Science-Policy Interface Platform: A global network of young people at the intersection of science (including engineering), technology, policy, & diplomacy. Jointly organize capacity building activities for young engineers interested in sustainable development, in particular in the context of the implementation, follow-up, and review of the SDGs during the Decade of Action (2020-2030)



COLLABORATION WITH FIDIC FUTURE LEADERS

FIDIC Future Leaders is the group of young professionals of the International Federation of Consulting Engineers (FIDIC). Participation in the Future Leaders Management Certificate (FLMC) programme to strengthen the business expertise of young engineers and other professionals working in the field of consulting engineering. It also offers networking opportunities and an insight into FIDIC global activities



MOU WITH EUROPEAN YOUNG ENGINEERS (EYE)

EYE represent the voice of 350,000 young engineers. Initiated discussions on Memorandum of Understanding or Collaboration with Objectives to Extend WFEO and YE/FL visibility through EYE Network, share knowledge, collaborate on events for prompting SDGs and Contribute to Public Policy working groups.



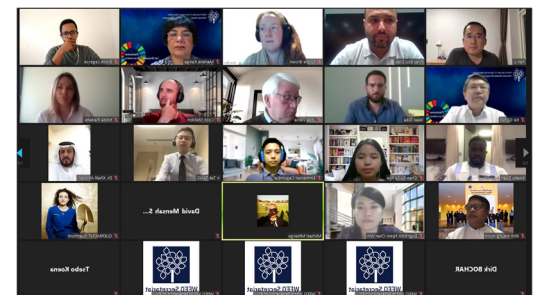
YE/FL INVOLVEMENT IN THE WORLD ENGINEERING EDUCATION FORUM AND THE GLOBAL ENGINEERING DEANS COUNCIL (WEEF/GEDC)

Young Engineers/Students Interface, Transformation and impact of learning technologies, Youth Mobilization to Action SDGs. YE/FL opportunity to share experiences, vision, strategy, and also network with engineering leaders from across the world.



CONTRIBUTION TO WFEO WEBSITE AND WFEO SOCIAL MEDIA (FACEBOOK, TWITTER, YOUTUBE, LINKEDIN)

- Update regularly the YE/FL material to reflect latest activities and work plan
- Invite Engineers, Young Peers, and Colleagues to Like WFEO Facebook page and to follow WFEO Twitter, LinkedIn and YouTube accounts
- Promote WFEO Website and Social Media pages through National Organizations and Platforms
- Share and retweet WFEO posts and interact with another similar pages & twitter account



REGIONAL UPDATES

All committee materials, meetings minutes, presentations, webinars recordings and regional updates are available here:

<http://www.wfeo.org/committee-young-engineers-future-leaders/>

IESF - France	Milène Guermont
China Association for Science and Technology (CAST)	Zhang Wei
The Ghana Institution Of Engineering (GHIE)	Kwaku Duah
Hong Kong Institution of Engineers (HKIE)	Tak Tang
Federation of Myanmar Engineering Societies	Khin Maung Myint
Ethiopian Association of Civil Engineers (EACE)	Brook Legesse
Engineers Australia (EA)	Nicole Brown
Federation of Lebanese Engineers (FLE)	Firas Bou Diab