



The WFEO Young Engineers/Future Leaders (YEFL) Committee is a dedicated global network of early-career engineers committed to positioning YEFL as the leading authority representing young professionals in engineering. By highlighting the role of young engineers in achieving the United Nations Sustainable Development Goals (SDGs), YEFL promotes recognition, capacity-building, and impactful engagement worldwide.

Firas N Bou Diab,
Chair of YEFL,
Federation of Lebanese Engineers

PROMOTING SUSTAINABILITY AND CLIMATE ACTION

COP28 Engagement – Dubai, December 2023

- *Resilience Hub Leadership:* Co-led the Infrastructure, Energy & Mobility theme, shaping content and convening over 10,000 participants.
- *Collaboration with the Global Renewables Alliance (GRA):* Provided strategic input to the GRA's 3xRenewables campaign.
- *Youth & Policy Engagement:* Hosted *Youth & Practitioners: Catalysts for Behavior Change in Science-Based Policy* with FIDIC, CEMR, and Engineers Without Borders International.
- *Systems Thinking for Climate Action:* Delivered a side event on cross-sector, nature-driven solutions aligned with the Global Stocktake.

JOIN US AT COP28

YOUTH & PRACTITIONERS: CATALYSTS FOR IMPLEMENTATION OF SCIENCE-BASED POLICY



DR. BERTRAND PICCARD
KEYNOTE SPEAKER



ANUSHA SHAH
ICE PRESIDENT



ROBERT SPENCER
AECOM, FIDIC



MICHELLE MEACLEM
MODERATOR
WFEO YE/FL SDG13



KIRILS HOLSTOV
WFEO YE/FL SDG13



CHRISTIAN ACHELNIK
YOUNG ELECTED OFFICIAL,
COLOGNE

DECEMBER 6 | 11:30 - 13:00 GST | SE ROOM 2 & ONLINE |
[HTTPS://EVENTS.FIDIC.ORG/COP28SIDEVENT/4651053](https://events.fidic.org/cop28sideevent/4651053)










Young engineers are harnessing innovation to improve access to essential services, strengthen livelihoods, and build resilience.



Championing equitable urban development, accessibility, and resilient infrastructure to create vibrant, inclusive cities.



Designing low-carbon systems, influencing policy, and delivering a sustainable, climate-resilient future.

#EngineeringChange Campaign

Launched with the International Coalition for Sustainable Infrastructure (ICSI) to empower young engineers, drive systemic change, and overcome barriers. Key activities: global survey with recommendations, launch of a Nature-based Solutions pathway (London Climate Week 2025), and creation of a free resource library for sustainable development skills.

New York Climate Week – September 2024

YEFL (WG on SDG13) joined the "Scaling up Adaptation Finance" roundtable (Sept 2024), focusing on mobilizing funding for sustainable and resilient infrastructure with engineers and investors.

Buildings and Climate Global Forum – Paris, March 2024

YEFL (WG on SDG13) attended the inaugural Buildings and Climate Global Forum organized by the Government of France and UN EP in Paris in March 2024, which brought together ministers and some of the key actors of the buildings and construction sector from around the world to focus efforts in decarbonizing the sector.

ADVANCING DIGITAL INNOVATION AND INCLUSION

SDG Digital GameChangers Awards – UN Headquarters, New York, September 2024

YEFL Chair served as a judge recognizing ICT innovations advancing digital inclusion, education, and gender equity. Organized by OSET, ITU, and UNDP as part of the Summit of the Future Action Days, the awards recognized innovative projects using technology to build a safer, more inclusive digital future.

Entries in the People – Empowering Lives and Communities category, which spotlighted ICT initiatives advancing digital inclusion, education, employment, and gender equality for marginalized groups were evaluated.

The experience underscored the transformative role of digital solutions in reducing inequalities, fighting poverty, and driving inclusive growth.

YEFL & Project Catalyst Webinar – August 2024

Hosted Engineering Insights, creating opportunities for emerging engineers through mentorship and collaboration with Project Catalyst.

CELEBRATING WORLD ENGINEERING DAY

World Engineering Day 2024

Co-hosted "Inspiring Collective Action Through Communication, Advocacy, and Best Practices" with the WFEO Working Group on Climate Change and ICSI.

World Engineering Day 2025

Hosted "From Space to Impact: Leveraging Satellite Data to Address Poverty" with Dr. Catherine Nakalembe (NASA Harvest), highlighting how satellite data supports poverty reduction, agriculture, and disaster response, and drives inclusive solutions for vulnerable communities.

LIVE WEBINAR

World Federation of Engineering Organizations
Fédération Mondiale des Organisations d'Ingénieurs
Committee on Young Engineers / Future Leaders

WORLD ENGINEERING DAY FOR SUSTAINABLE DEVELOPMENT

ALIGNED WITH THE
WORLD ENGINEERING DAY HACKATHON 2025
LEVERAGING SATELLITE DATA TO ADDRESS POVERTY INNOVATIONS AND IMPACTS

Catherine Nakalembe
Assist. Professor, Dept of Geographical Sciences at the University of Maryland and Director, Africa Program under NASA Harvest

Mustafa B. Shehu
President, WFEO

Firas Bou Diab
Chair, WFEO Committee on Young Engineers / Future Leaders

4:00 PM CET / 10:00 AM EST
November 20, 2024

Learn more about the transformative potential of satellite data and advanced technologies in addressing poverty, achieving Sustainable Development Goal 1 (No Poverty), and fostering global innovation

wfeo.org @WFEO @WFEO.FMOI

Key achievements

Climate Declaration – COP26 Joint Statement
Co-authored the COP26 Joint Statement of International Youth Organizations alongside MGCY, YOUNGO, and others, committing to urgent climate action.

Singapore Sea Level Rise Design Competition
YEFL (WG on SDG13) achieved victory in the design competition organized by the Water Science Policy and the Institute for Environment and Sustainability at the Lee Kuan Yew School of Public Policy.

YEFL Contributions to the Global Impact of the WED Hackathon

Members of the YEFL Committee play a central role in the success of the World Engineering Day (WED) Hackathons. They serve as preliminary judges during Stage 1 of the competition, applying international standards to evaluate entries and ensure a transparent, rigorous selection process.

Additionally, YEFL members actively promote awareness of the Hackathon by organizing and delivering introductory sessions for engineering students across various regions worldwide. These sessions highlight the significance of student participation in addressing global challenges through innovative, sustainable engineering solutions, aligned with the UN Sustainable Development Goals.

SUPPORTING JUST ENERGY TRANSITION

C40 Cities Seminar – 2024

YEFL (WG on SDG13) co-organized a seminar with C40 Cities on "Just Energy Transition Strategies" exploring global examples, policies, and incentives for advancing sustainable and cleaner energy practices.

COP29 ENGAGEMENT AND PREPARATIONS FOR COP30

COP29 – November 2024

- Co-organized "Building Capacity & Capability to Transition to a Sustainable, Resilient and Just Built Environment" with FIDIC, ICSI, IEMA, and World Green Building Council.
- Hosted "Accelerating Clean Tech for Energy and Agriculture in SIDS", examining scaling of clean technology in Small Island Developing States.

Preparations for COP30

Coordinating a COP30 policy statement and dedicated side event on financing sustainable infrastructure. Regional webinars will showcase local priorities and challenges.