

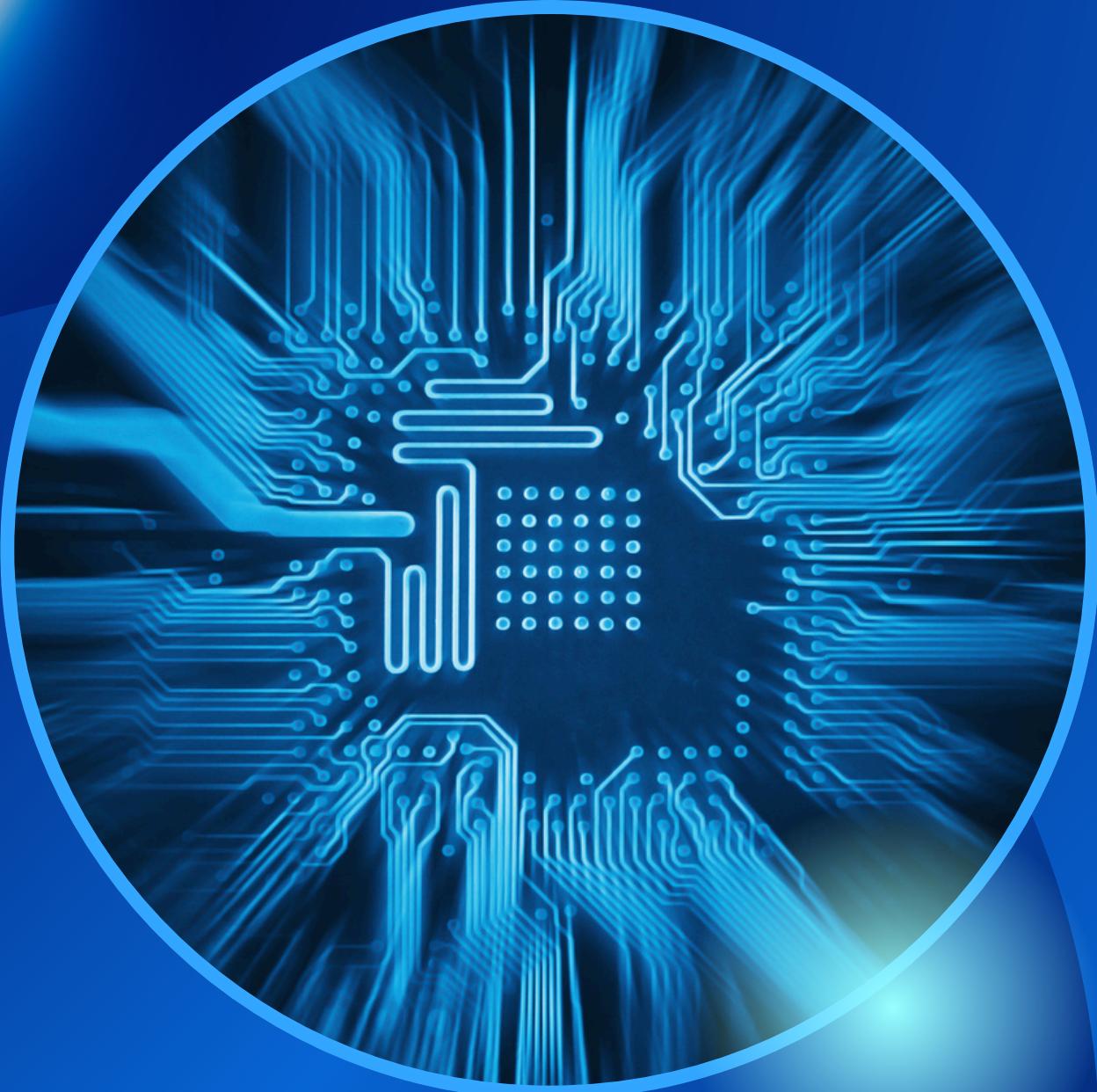


World Federation of Engineering Organizations

WFEO PRESIDENT STATEMENT TO UNESCO INFORMATION SESSION ON ENGINEERING AND INNOVATION

3 FEBRUARY 2026

UNESCO HEADQUARTERS, PARIS



World Federation of Engineering Organizations (WFEO) Mandate

- **Created under the auspices of UNESCO in 1968**
- **Today represents more than 100 countries**
- **Over 30 million engineers worldwide**
- **Associate Non-Governmental Organization**
- **Official partnership with UNESCO**
- **Liasion status to ECOSOC**
- **Work with a number of UN agencies, including the UN Universities**

WFEO's Strategic Objectives (2026 - 2035)

Our strategic framework is built on five (5) objectives aligned with the UNESCO's approach:



Strengthen engineering's role in sustainable development and global policy



Advance engineering education and capacity building



Promote ethical, inclusive and responsible engineering



Promote global awareness of engineering for sustainable development



Enhance WFEO's resilience and effectiveness, strengthen governance...

Why Engineering Matters?

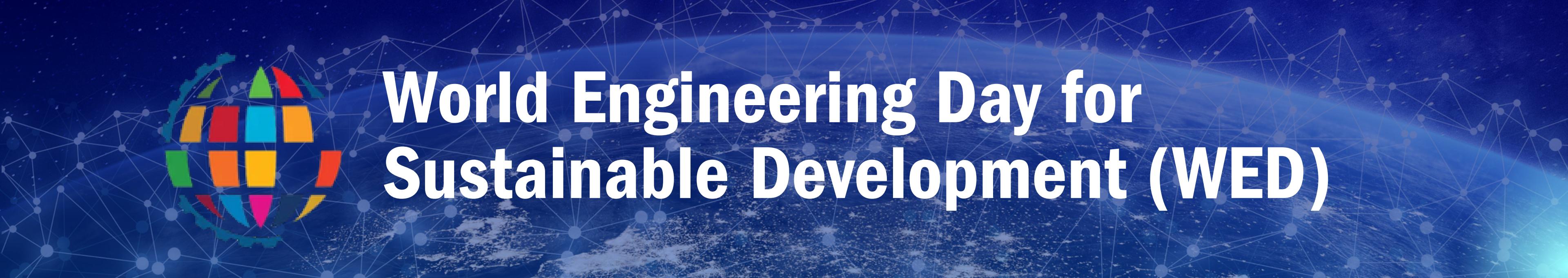
IT MATTERS BECAUSE:

- At the heart of sustainable development and of our daily lives;
- Design and build infrastructures and technologies:
 - water systems,
 - renewable energy,
 - digital connectivity and climate infrastructure,
 - product and innovation in our daily lives have been designed and developed by engineers;
- Translate scientific knowledge into practical solutions;





World Engineering Day for Sustainable Development (WED)



WORLD
ENGINEERING
DAY

March 3-5 2026 | Balai Kartini, Jakarta, Indonesia

SMART ENGINEERING FOR SUSTAINABLE FUTURE
THROUGH INNOVATION AND DIGITALIZATION

REGISTER NOW!

BE PART OF THE GLOBAL CELEBRATION
OF ENGINEERING EXCELLENCE!

wed2026.id & pii.or.id pp_pii_official Persatuan Insinyur Indonesia (Official) pii.official

WORLD ENGINEERING DAY
with the support of
UNESCO
KEMENTERIAN PENDIDIKAN DAN KULTURA
ESDM
KEMENTERIAN KERAKYATAN DAN PENGAMANAN RUMAH PADA INDONESIA
BRIN
KOMINFO
The Institution of Engineers Indonesia

Since 2019, WFE0 celebrates World Engineering Day (WED) on 4 March in a WFE0 Members country.

The Partners

National member,
PII and UNESCO

The Theme: SDG9

“SMART Engineering for a Sustainable Future Through Innovation and Digitalization”

The Event

Space where engineers and policymakers co-design solutions

The Message

Invite UNESCO Member States to encourage participation

2026 WFEO Hackathon

Linked directly to WED 2026, the WFEO Hackthon is our flagship youth engagement initiative.

**270
Teams:**

Of engineering students and young engineers from around the world compete virtually to design creative, practical solutions to real-world problems.

**3
Challenges:**

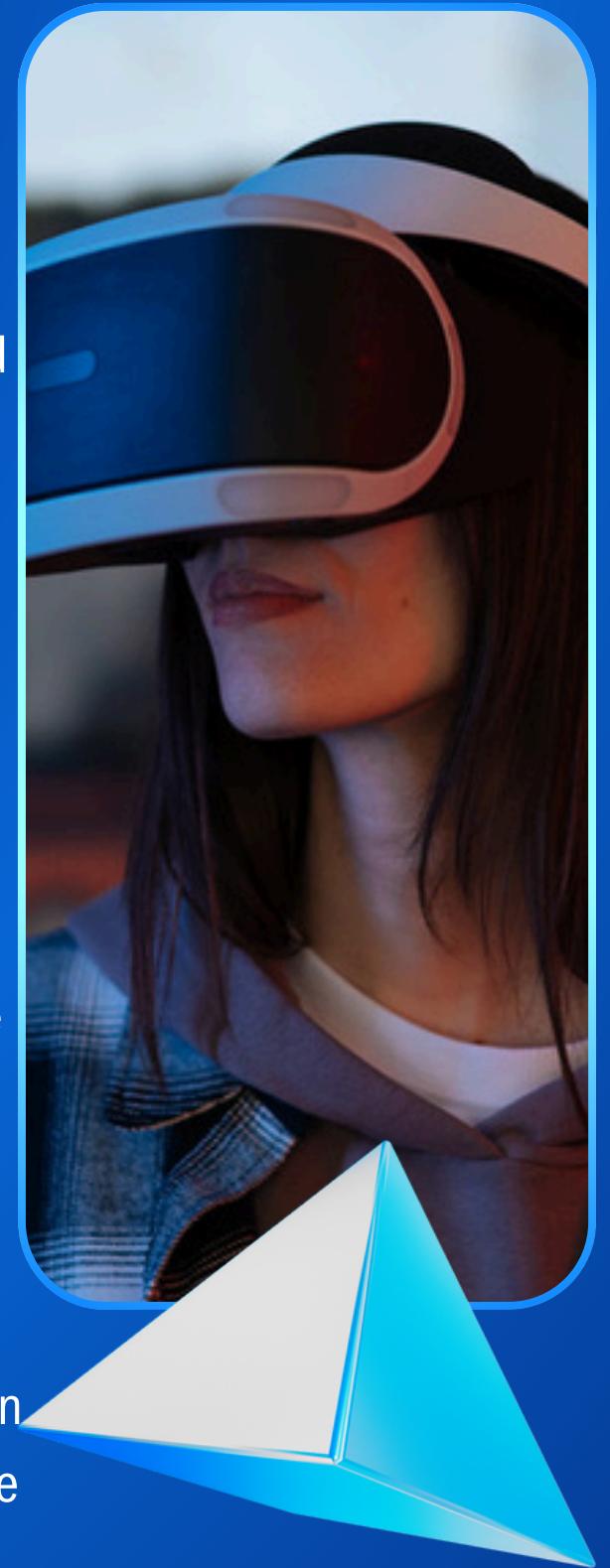
Tracks are aligned with SDG 11 on sustainable cities and communities; SDG 12 on responsible consumption and production; and SDGs 14 and 15 on life below water and life on land.

**WFEO
Hackathon:**

Views this hackthon as a concrete mechanism to engage the next generation in the SDGs, to develop their innovation and digital skills, and to amplify the visibility of youth-led solutions from all regions, including Africa and the SIDS.

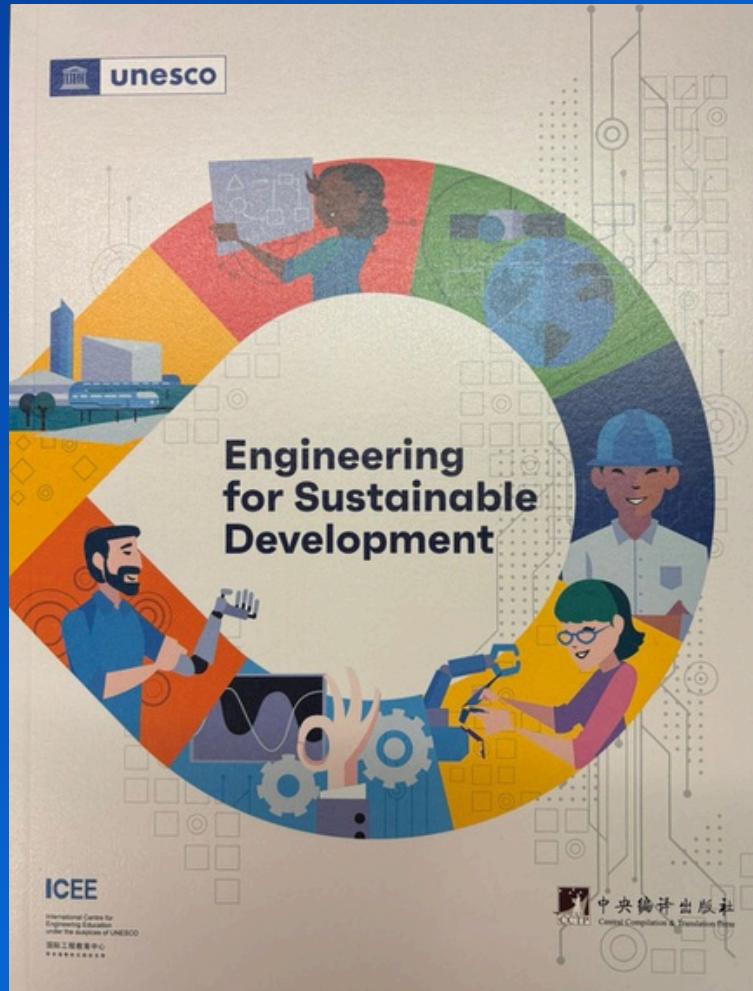
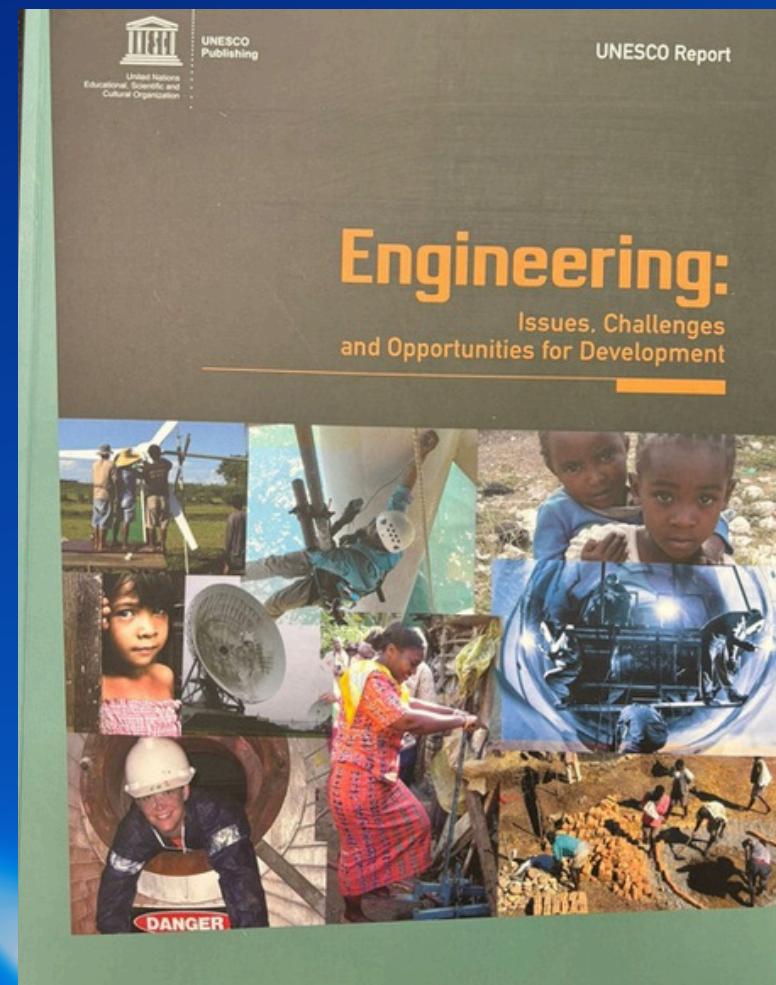
**Member
States
Action:**

WFEO encourages Member States to promote participation from universities and engineering schools and to recognize winning teams from their countries.



The Third UNESCO Global Engineering Report

A major expression of WFEO's partnership with UNESCO is our substantive contribution to the UNESCO Global Engineering Reports.



01

WFEO is eager to work hand in hand with UNESCO on the 3rd Global Engineering Report.

02

This new edition will assess progress since 2021 in aligning engineering with SDGs, identify trends and challenges and provide robust data and policy guidance.

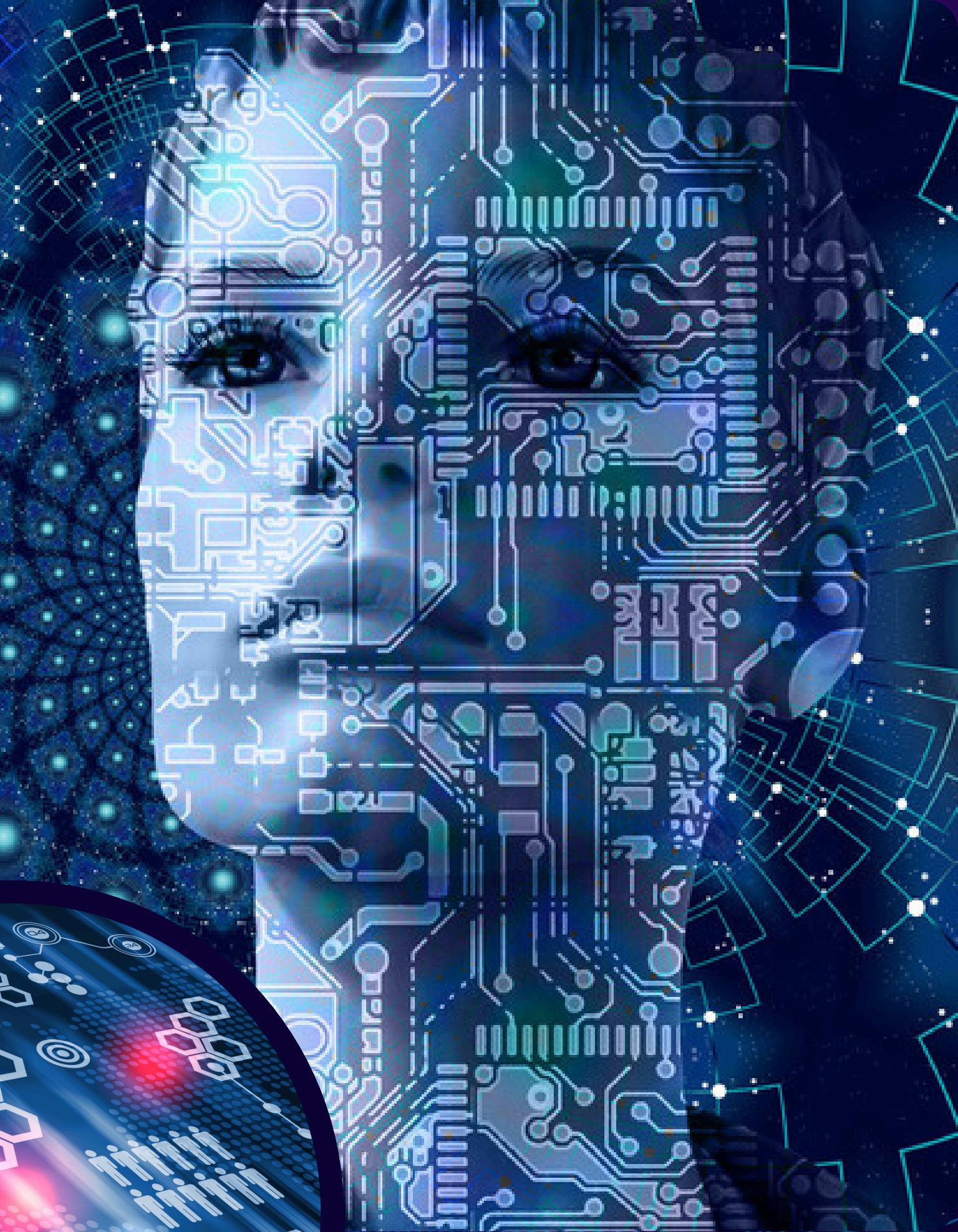
03

WFEO stands ready to mobilize its member organizations, committees, working groups and regional partners to contribute data, case studies and experts insights.

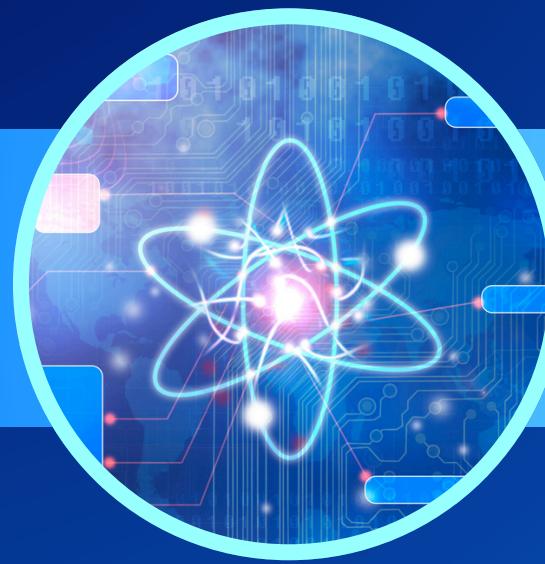
Capacity Building: Africa and Women in Engineering

To realize engineering's full potential for sustainable development, critical capacity gaps must be addressed, particularly regarding women in engineering and Africa.

- The 2021 report documented under-representation of women in engineering education and practice.
- In response, WFEO launched the Engineering Capacity Building for Africa Programme (ECBAP).
- WFEO commits to working with UNESCO and its Member States to expand opportunities for women in engineering.



Policy Offer to UNESCO and Member States



**Integrating Engineering
Systematically**



**Supporting
Frameworks**



**Facilitating
Partnerships**

Translating these commitments into concrete contributions to sustainable development by mobilizing our global community of experts, – including the Fellows and Distinguished Fellows of the **World Academy of Engineering.**

Evolving the WFEO Academy into a **WFEO Institute** that will not only deliver training and capacity-building programmes, but also support certification-related activities in collaboration with engineering universities

Conclusion

- Reaffirm WFEO's unwavering commitment to UNESCO, to the Natural Sciences Sector and to the International Decade of Sciences for Sustainable Development.
- WFEO's joint action with UNESCO.
 - Our Standing Technical Committee (STC) on Disaster Risk Management is collaborating with UNESCO's disaster risk reduction team on the use of artificial intelligence for disaster risk management.
 - Our Standing Technical Committee (STC) on Water is also preparing, together with UNESCO, a new publication entitled « New Water: Engineering and Integrated Resource Management », building on our recent report on engineering, groundwater and integrated water resources management.
 -
- WFEO's commitment to being a strategic bridge and a catalyst.
 - Deepen our joint efforts with UNESCO on the third UNESCO Global Engineering Report.



THANK YOU!

