

10TH UNESCO AFRICA ENGINEERING WEEK &
8TH AFRICA ENGINEERING CONFERENCE



ENGINEERING THE FUTURE

INNOVATIVE INFRASTRUCTURE SOLUTIONS FOR A SUSTAINABLE
AFRICA AND SWIFT AFCFTA IMPLEMENTATION

9TH - 13TH SEPTEMBER 2024

MONDAY TO FRIDAY - 9AM TO 5PM (WAT) /
10AM TO 6PM (CEST)



INTERCONTINENTAL
LUANDA MIRAMAR HOTEL

LUANDA - ANGOLA

Event website: www.ordemengenheiros.ao
+244 931 355 454

SUSTAINABLE
DEVELOPMENT
GOALS



**10th Africa Engineering Week & 8th Conference ,
9th to 13th September 2024 , Luanda, Angola.**

The Luanda Declaration on “Engineering the Future: Innovative Infrastructure Solutions for a Sustainable Africa and a Swift AfCFTA Implementation”.

Preamble:

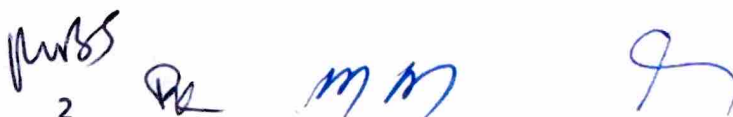
The participants at the 10th Africa Engineering Week & 8th Conference holding on the 9th to 13th September 2024 in Luanda, Angola hosted by the OEA, “with the theme “Engineering the Future: Innovative Infrastructure Solutions for a Sustainable Africa and a Swift AfCFTA Implementation” and sub-themes of Sustainability and Innovative Infrastructures; Engineering and Acceleration of AfCFTA implementation; Engineering Education and Capacity Building.”

The AEW held various panel discussions on the implementation of AfCFTA, Sustainability, Innovative Infrastructures, Engineering Education and Capacity Building. The event was a huge success with participation by representatives from the African Union - Scientific, Technical and Research Commission (AU-SRIC), UNESCO, WFEO, FAEO and National Engineering Institutions.

The total number of participants were over 250 engineering practitioners and over 1000 online delegates from 23 countries from Africa and other parts of the world, *namely*: Angola, Burkina Faso, Congo, United States of America, Ethiopia, France, Ghana, Mauritius, Madagascar, Malawi, Mozambique, Namibia, Niger, Nigeria, Portugal, Kenya, Central African Republic, Democratic Republic of Congo, Rwanda, Somalia, South Africa, Tanzania, Zambia and Zimbabwe.

The event featured comprehensive technical programmes and social programmes. A keynote address was delivered by our special guest of honour, Honourable Minister Mario de Oliveira, Minister of Telecommunications, Information Technology and Social Communication.

We, the participants of the 10th UNESCO African Engineering Week, commend the collaborative efforts of UNESCO, IEEE Entrepreneurship, WFEO, FAEO, and the Order of Engineers of Angola in organizing the UNESCO-IEEE Entrepreneurship Bootcamp for Early-Career Engineers. This initiative brought together 33 youth from 10 African countries, in addition to Angola, for an intensive 5-day bootcamp. It underscores our collective commitment to nurturing the entrepreneurial skills of young engineers, empowering them to transform scientific inventions into viable commercial solutions. We resolve to continue supporting such initiatives that foster innovation, enhance engineering education, and contribute to the sustainable development of Africa.

Handwritten signatures and initials in blue ink at the bottom of the page. From left to right: a signature that appears to be 'MWS' with a '2' below it, a signature that appears to be 'R', a signature that appears to be 'M M', and a signature that appears to be 'J'.

OBSERVING THAT;

1. African Heads of states and governments took a decision to ensure inclusiveness in all policies, legislation and strategies and that the AfCFTA took it a step further by developing a Protocol on Women and Youth in Trade which emphasises *economic and financial inclusion of women and youth in trade*. It also emphasises inclusion of women in National Implementation Committees and other decision-making bodies.
2. **Innovative Infrastructure is vital** for the attainment of the Agenda 2063 for the Africa we want and that **Engineering is key** to the actualization of sustainable infrastructure delivery and the full mobilization and input of the engineering profession in Africa at all levels will be required to deliver the goods and services needed.

Considering that:

The AfCFTA, UNESCO, WFEO, FAEO and African Union deliberated on the impact of Global and International priorities that affect:

- Sustainability and Innovative Infrastructures;
- Engineering and Acceleration of AfCFTA implementation;
- Engineering Education and Capacity Building
- Adequate and innovative infrastructure must be developed to enable the growth of Africa;
- Establishing and strengthening linkages and partnerships for research and training in the Africa, Asia and Pacific region requires collaborations between, FAEO, FEIAP, UNESCO, WFEO and other organisations.
- Mutual Recognition Agreements for professional Services, The AAP Accord is the framework for the establishment of an International Standard of Engineering Education that empowers each member jurisdiction or economy of FEIAP and FAEO to establish a section of the Register for Engineering for Graduate Engineers, Engineering Technologist and Engineering technicians.
- Most African countries are not members of the International Engineering Alliance, a factor affecting the recognition of its quality graduates and professionals

Declare that;

1. All our engineering organisations should adopt and implement capacity building programmes to meet the requirements of International Accords and Agreements that enhance mobility of engineering professionals as guided by the AAP, FAEO, IEA and WFEO. There is a need to continue benchmarking and building capacity in engineering education in Africa. We need to incorporate provisions of the IEA graduate attribute, and professional competences (GAPC) as reviewed by IEA, UNESCO and WFEO in all engineering curricula development and review.
2. There is a need for engineering institutions to develop a cohesive vision framework, policies and strategies that addresses industry – academia partnership barriers. It is essential to incorporate strong industry – academia partnerships to contribute towards sustainable solutions to the challenges that we face.

MMS 3 PK mmm

3. All our Engineering Organisations should adopt Diversity and Inclusivity Policies We need to foster diversity, inclusion and transparency as we rally stakeholders to create strategies to achieve sustainable development goals. For our Young Engineers and Future Leaders, we envisage a strategic thrust of engineering excellence, education, employability, entrepreneurship and engagement that will tap into the young population of Africa”.

4. We further Call For:

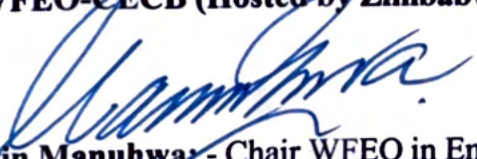
- The increase of women entry, who comprise half of the population, into the realm of engineering is essential for assuring the availability and adequate inclusivity of engineering professionals to take charge of economic development through implementation engineering projects.
- The number of opportunities in engineering education for women must be increased. WFEO, FAEO and the Professional Engineering Institutions (PEIs) must enhance the training of women in Engineering in entrepreneurship and AfCFTA protocols in trade to encourage innovative thinking that will change the status quo.
- WFEO, FAEO and the PEIs must include women in Engineering in strategic international and national committees that will build capacity in policy development and implementation.
- WFEO, FAEO and PEIs should see to it that organisations enforce strict policies against sexual harassment and victimization policies of female engineering professionals.

Dated this 12th of September 2024 in Luanda, Angola and signed and approved by the representatives of the Conference Hosts and Partners below.

(i) For the Order of Engineers Angola (OEA)


Augusto Paulino de Almeida Neto: -The OEA President;


(ii) For WFEO-CECB (Hosted by Zimbabwe)


Eng. Martin Manuhwa: - Chair WFEO in Engineering Capacity Building Committee;

(iii) For the Federation of Engineering African Organizations (FAEO)


Eng. Papias Kazawadi: - The FAEO President;

(iv) For the World Federation of Engineering Organizations (WFEO)


Engr. Mustafa Shehu: - The President.